



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ  
Μόνιμη Αντιπροσωπεία της Ελλάδος  
στο ΝΑΤΟ

Αρμόδιος: Ασχος (ΜΕ) Δημήτριος Κανταρτζόγλου  
Τηλ.: +32 2 707 6734  
e-mail: [d.kantartzoglou@grdel-nato.be](mailto:d.kantartzoglou@grdel-nato.be)

Βρυξέλλες, 08 Ιουλίου 2022  
Α.Π.: 3768

ΠΡΟΣ: ΥΠΟΥΡΓΕΙΟ ΕΘΝΙΚΗΣ ΑΜΥΝΑΣ  
- ΓΔΑΕΕ/ΔΑΕΤΕ (μ.η.)

ΚΟΙΝ.: ΥΠΟΥΡΓΕΙΟ ΕΞΩΤΕΡΙΚΩΝ ΓΕΕΘΑ  
- κ. Δ' Γενικό Διευθυντή - Γ2 Διεύθυνση  
- Δ2 Διεύθυνση  
ΥΠΟΥΡΓΕΙΟ ΑΝΑΠΤΥΞΗΣ  
- Γενική Γραμματεία Εμπορίου (μ.η.)  
- Γενική Γραμματεία Βιομηχανίας/  
Διεύθυνση Διεθνών Βιομηχανικών  
Σχέσεων (μ.η.)  
ΤΕΧΝΙΚΟ ΕΠΙΜΕΛΗΤΗΡΙΟ ΕΛΛΑΔΟΣ  
- Διεύθυνση Επαγγελματικής  
Δραστηριότητας (μ.η.)

ΘΕΜΑ: 3<sup>η</sup> Τροποποίηση Πρόσκλησης Υποβολής Προσφορών, IFB-CO-15577-SSSB, Διαγωνιστικής Διαδικασίας για το Έργο "Reorganisation of Ship-Shore-Ship Buffer (SSSB) Capability Including Associated Communications Systems" (SERIAL 2015/OCM03072 - 02,03 & 05)

Διαβιβάζεται, συνημμένως, 3<sup>η</sup> Τροποποίηση Πρόσκλησης Υποβολής Προσφορών (Invitation For Bid/IFB) διαγωνιστικής διαδικασίας International Competitive Bidding (ICB), εκ μέρους ΝCΙΑ, ως φιλοξενούντος έθνους, για υλοποίηση εν θέματι έργου σε Ηνωμένο Βασίλειο, Ελλάδα και Ολλανδία, Π/Υ 30,849,828 €.

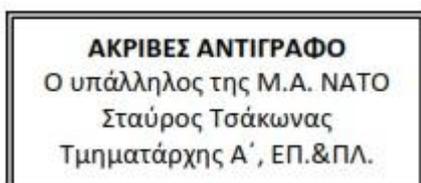
Καταληκτική ημερομηνία υποβολής προσφορών σε ΝCΙΑ, παραμένει η Παρασκευή, 19<sup>η</sup> Αυγούστου τ.έ., 14:00 CET.

Ενδιαφερόμενες εταιρίες αναζητήσουν πληροφορίες μέσω καθορισμένου σημείου επαφής (Point of Contact/ΡΟC, βλ. παρ. 4 τροποποίησης).

Παρακαλούμε για τις ενέργειές σας.

Λ Α Μ Π Ρ Ι Δ Η Σ

Συν. σελ.: 1463





NCIA/ACQ/2022/06936  
08 July 2022

To : Distribution List  
Subject : Amendment 3 – IFB-CO-15577-SSSB  
Reorganisation of Ship-Shore-Ship Buffer (SSSB) Capability Including Associated Communications Systems

**Answers to Clarification Requests**

References : A. AC/4-2261 (1996 Edition)  
B. NOI IFB-CO-15577-SSSB - Amdt 1, dated 11 Nov 2021  
C. Issuance of IFB-CO-15577-SSSB, dated 22 Feb 2022  
D. Issuance of IFB-CO-15577-SSSB-Amd1, dated 3 May 2022  
E. Issuance of IFB-CO-15577-SSSB-Amd2, dated 19 May 2022

1. In accordance with Reference A, the purpose of this Amendment 3 is to respond to the Clarification Requests received from Prospective Bidders.
2. Relevant Purchaser Provided Clarifications are hereby issued in Annexes A and B. Please note, for Clarification Requests regarding revision of prices, the response status is still open. As a result of the clarifications provided herewith, the following IFB documents are revised and sent with this IFB Amendment:
  - Book I Part I - Bidding Instructions
  - Book I - Annex A - Bidding Sheets
  - Book II Part II - Contract Special Provisions
  - Book II Part IV - Statement of Work, including Annexes A, C, D, F, G, and I
3. Except as provided in the paragraphs above, all other terms and conditions of the Invitation for Bid remain unchanged.
4. The Purchaser Point of Contact for all information concerning this IFB is:  
Mr. Martin Steenwege, Senior Contracting Officer, Acquisition  
E-mail address: IFB-CO-15577-SSSB@ncia.nato.int, with copy to  
[Martin.Steenwege@ncia.nato.int](mailto:Martin.Steenwege@ncia.nato.int)

FOR THE CHIEF OF ACQUISITION

Mrs. Elena Iftimie-Paraschiv  
Senior Contracting Assistant

A handwritten signature in blue ink, appearing to read 'Elena Iftimie Paraschiv'.

Enclosures:

Attachment A: Answers to Clarification Requests IFB-CO-15577-SSSB-Amendment 3



NATO Communications  
and Information Agency  
Agence OTAN d'information  
et de communication

[www.ncia.nato.int](http://www.ncia.nato.int)

NATO UNCLASSIFIED



Attachment B: Answer to Clarification Request #T.42

Attachment C: Clarification Request #T.9 - List No. 1 of Approved Companies (Greece) - List of Approved Companies that worked on GRC's NAVY NATO projects in the last 10 years - For Information Purposes Only

Attachment D: Clarification Request #T.9 - List No. 2 of Approved Companies (HNDGS Greece) - For Information Purposes Only

Attachment E: Amended IFB documents:

- Bidding Instructions
- Bidding Sheets
- Contract Special Provisions
- Statement of Work, including Annexes A, C, D, F, G, and I

Attachment F: Distribution List for IFB-CO-15577-SSSB-Amendment 3



NATO Communications  
and Information Agency  
Agence OTAN d'information  
et de communication

[www.ncia.nato.int](http://www.ncia.nato.int)

**ATTACHMENT A**

**Answers to Clarification Requests IFB-CO-15577-SSSB-Amendment 3**

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.1</b>	Book I, Section 4.1.6	When, to what extent, how detailed and based on which procedure does the HN (Agency) intend to communicate the bid details of the winner to the not successful Bidders?	<p>Results of competition notification will be in accordance with procedure AC/4 -D/2261 (1996 Edition) for International Competitive Bidding:</p> <p>The NCI Agency will notify all unsuccessful Bidders in writing at Contract award. The notification should include:</p> <ul style="list-style-type: none"> <li>- the number of Bidders solicited;</li> <li>- the number of bids received;</li> <li>- the name of the apparent winning company; and,</li> <li>- the apparent winning bid's overall price.</li> </ul>	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.2</b>	SOW Annexes B, E, and H	Can we obtain lists of companies approved by the Territorial Host Nations for civil and other works on the sites?	See T.9	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.3</b>		The current timeline is unreachable due to risks with the civil works. Please extend the closing date of the bid. At least 6 months is required to review and design the civil works.	In accordance with procedure AC/4 -D/2261 (1996 Edition), any requests for extensions of the Bid Closing Date can only be submitted by the National Delegations. Therefore, please contact your Delegation for this request.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.4</b>		Due to the risks and too many variables around the civil works, please consider revising the procurement strategy to Best Value. Lowest Cost Compliant will not work on this project because of the nature of the civil works.	NATO Nations' authorization for this project was for a Lowest Priced, Technically Compliant bid. The NCI Agency can therefore not change the procurement strategy to Best Value.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.5</b>	FB-CO-15577-SSSB-UK-GR-NL, Book II, Part II, Page 24, Paragraph 26.4.	<p>Does “All Contractor and Sub-Contractor(s) personnel working on this Contract shall have a security clearance of “NATO SECRET” confirmed to the Purchaser by the relevant National Security Authority” statement also applicable for workers who will work for cable laying and termination or cable trench digging, etc?</p> <p>We would like to kindly ask to NCIA to provide as much as possible and clear definition about who should have the “NATO SECRET” level security clearance.</p>	<p>Contractor personnel who are not entering a Class II area or equivalent (meaning they have no access to classified systems or information) do not require a security clearance.</p> <p>Change/addition will be reflected in Amendment 3.</p>	Amd 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.6</b>	IFB-CO-15577-SSSB-Book II-Part IV – SOW, Page 161, Paragraph 14.1.12	Does Security clearance of the installation team also applicable for ordinary worker as stated in question A.5?	Contractor personnel who are not entering a Class II area or equivalent (meaning they have no access to classified systems or information) do not require a security clearance.  Change/addition will be reflected in Amendment 3.	Amendment 3 (in SOW)

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.7</b>	IFB-CO-15577-SSSB-Book II-Part II and III – Prospective Contract, Annex D, Page 1, Schedule of Payment Milestones	In IFB documents most of the timelines refer to months rather than weeks. We would like to kindly ask you to modify Major Performance Milestones based on months rather than weeks.	Major Performance Milestones are expressed in EDC + weeks. Once EDC is known at Contract award, actual dates will replace the 'EDC + weeks' in the Major Performance Milestones. If inconsistency in dates, the hierarchy of documents shall prevail.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.8</b>	IFB-CO-15577-SSSB-Book II-Part II and III – Prospective Contract, Annex D, Page 1, Schedule of Payment Milestones	We would like NCIA to review and make some changes on Project Time Plan and Major Milestones including payment terms.	Major Milestones per THN has been added and the overall timeline of the basic Contract extended to 5 years. The changes to the SSS and Annex D - Schedule of Payment are reflected in Amendment 3.	Amdt 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.9</b>	IFB-CO-15577-SSSB-Book II-Part IV – SOW, Annex A, Paragraph 4.10.1. e.	In the event that historical artefacts are found during the excavation of the foundation, will the suspension of the work be considered within the scope of force majeure?	NCI Agency confirms any findings of any historical/ archaeological artefacts and associated time and efforts required to address them according to respective THN laws and regulations shall be considered as 'force majeure'.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.10</b>	IFB-CO-15577-SSSB - Book I - Part I , Sec 1.5 and Sec. 1.6	In order to share with local companies in UK, Netherlands and Greece the Restricted information present in the Bidders Library documents and mandatory for the evaluation of the local civil works, we understand that the previous approval of NCIA is needed. Furthermore the acquisition of the proper clearance by local companies can be a long process that could significantly delay project. We therefore ask NCIA to provide a list of local civil companies in each Country having already the necessary clearance to work in NATO sites and the NCIA approval to receive through the proper channels and procedures such Restricted documents	<p>For the distribution of the Bidders Library to subContractors, please send to the Purchaser's Point of Contact (in Book I, Part I, Bidding Instructions, Paragraph 2.6) the Non-Disclosure Undertaking (in Book I, Part I, Bidding Instructions, Annex D) signed by the subContractor and wait for NCI Agency confirmation before releasing the Bidders Library documents to them.</p> <p>The Contractor is required to follow NATO Security Regulations.</p> <p>NCI Agency cannot provide "a list of local civil companies in each Country having already the necessary clearance to work in NATO sites and the NCIA approval to receive through the proper channels and procedures such Restricted documents".</p> <p>Please note that the list of companies identified in T.9 may or may not have the necessary NATO Clearances as required.</p>	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
A.11	IFB-CO-15577-SSSB-UK-GR-NL, Part II, Annex D	As mentioned in the schedule of payment milestones, we would like to ask whether it is possible to invoice the milestones for each of the Territorial Host Nations (THNs) separately.	See A.8	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.12</b>	Book II-Part II and Prospective Contract III-	We suggest to include a specific bilateral Force Majeure clause, since we have not identified it the prospective Contract. Could it be possible to include COVID19, and alleged shortage of components and semi-conductors, as cause of force majeure?	A Force Majeure Clause will be inserted in Part II in Amendment 3	Amd 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.13</b>	Book II-Part II and III-Prospective Contract clause 4.6	a definition for Design Documentation is needed: NATO's IPRs to all design documentation shall be only to the extend that is in regards with installation. We understand that otherwise would only imply a license for use. If that is the case, could you please specify in which conditions shall be granted?	Design documentation are all deliverables as identified in the Schedule of Supplies and Services. IPR are required on all deliverables as identified in the SSS in accordance with Clause 19 of the Special Contract Provisions and Clause 30 of the Contact General Provisions.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.14</b>	Book II-Part II and III-Prospective Contract clause 5.2	Due to the characteristics and magnitude some exceptions that allows price revision are needed. in which cases is foreseen revision of price?		Open

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.15</b>	Book II-Part II and III-Prospective Contract clause 5.2	In regards with "approximately 5 years" could you please clarify what approximately means in this context?	Duration of the Basic Contract is defined in the SSS delivery date. These dates are "no later than" so end date could therefore be earlier than indicated. But as the timelines have been extended to exact 5 years, the word approximately is removed in Amendment 3.	Amd 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.16</b>	Book II-Part II and III-Prospective Contract clause 5.4	We need more details and assurance for situations in which this shall be accepted.	Any excess of the Total Price of this Contract needs prior authorisation via an official Contract Amendment - cfr also Clause 14.9 of Part II.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.17</b>	Book II-Part II and III-Prospective Contract clause 7	In accordance with other clauses of the Contract, could you please specifically exclude from the Contractor responsibility the following: [excluding] the scope of civil works, test on systems and any other work or equipment attributable to the Purchaser (in different sites) needed to be executed prior to proceed with our schedule of work and services.	The consequences of any delays caused by the Purchaser are described in Clause 36 of the Contact General Provisions.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.18</b>	Book II-Part II and III-Prospective Contract clause 8.2 and 8.3	In connexion with question about duration of the Contract (clause 5). Please elaborate the cases in which revision of price is foreseen?		Open

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.19</b>	Book II-Part II and III-Prospective Contract clause 8.4	Is it possible to include a maximum period to notify this? We need to know this prior to PDR. We suggest the following: "Purchaser shall inform prior to PDR Milestone, which COTS products will be provided by the Purchaser".	NCI Agency confirms to inform the Contractor prior to the PDR Milestone.	Amd 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.20</b>	Book II-Part II and III-Prospective Contract clause 9.1	Due to the characteristics and magnitude of the Contract a period to exercise options is needed. Could you include that on the initial 5 years-duration, the Purchaser shall exercise any option and notify it to the Contractor during the first two years of the Contract period.	Exercising an extension of warranty is the prerogative of the THN and is not possible before FSA.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.21</b>	Book II-Part II and III-Prospective Contract clause 9.2	Please see our comment above (9.1) and in addition, would you accept the following: in case the Purchaser decide to exercise any option after such period, Contractor shall have the right to quote such option with updated prices?		Open

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.22</b>	Book II-Part II and III- Prospective Contract clause 9.5	Please see question in 9.1 and 9.2 it also apply here.		Open

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.23</b>	Book II-Part II and III- Prospective Contract clause 9.7	Does this apply also for the duration of the Contract? (including duration of options, if any)	As stated, this applies to CLINs 19, 21 and 23.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.24</b>	Book II-Part II and III-Prospective Contract clause 9.8	Due to the uncertain market fluctuation considering recent events could you consider the following? : in the event suppliers increase the price of the products in more than XX % (to be discussed) at the time the order was booked, and upon justification, the Price shall be increased to an amount equal to the applicable percentage of the actual sales price of such Product?		Open

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.25</b>	Book II-Part II and III-Prospective Contract clause 9.9	To be consistent with other clauses, could you include the following? "If such additional tasks impact the general schedule and major milestones, the Contractor shall not be liable for that delay and a re-schedule shall be agreed by the parties"	Following will be included in Amendment 3: "If such additional tasks impact the schedule of the major milestones, a re-schedule of those Milestones impacted shall be agreed by the parties "	Amd 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.26</b>	Book II-Part II and III-Prospective Contract clause 10.3	Could it be possible a partial acceptance? Meaning that the part of the deliverable that is ok with the Contract is accepted by the Purchaser (and so 10.4 applicable up to that extent) and only the part that needs to be subsane or deliver remains with the Contractor.	Partial acceptance is not foreseen. Until Acceptance, risk of loss or damage remains with the Contractor.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.27</b>	Book II-Part II and III-Prospective Contract clause 10.4	is this 10.4 repeated from 10.2? or is it foreseen for another case of use?	10.4 will be deleted in Amendment 3.	Amd 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.28</b>	Book II-Part II and III- Prospective Contract clause 10.5	Could you add: nor due to force majeure (specially natural disasters beyond our control)?	Please see A.12	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.29</b>	Book II-Part II and III-Prospective Contract clause 11.1	Could you clarify that is an option that the Contractor has? In other words, Contractor may propose substitution (as an alternative) only if necessary for fulfilment of the Contract.	This is not a Contractor option, it is a requirement. As stated in 11.2, this is a Purchaser Option.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.30</b>	Book II-Part II and III- Prospective Contract clause 11.1	Deleted	n/a	n/a

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.31</b>	Book II-Part II and III-Prospective Contract clause 11.2	Could you clarify that is an option that the Contractor has? In other words, the Contractor may provide an improvement only to the extend this action is necessary for the fulfilment of the Contract.	As stated, this is required "If any COTS products specified in the Contract are upgraded or discontinued..."	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.32</b>	Book II-Part II and III-Prospective Contract clause 12.1	What kind of management activities are included here? Does include the right to use the deliverables? We suggest to include assumption that commercial entities are not direct competitors to the Contractor.	To assist the Purchaser in the management of this Contract and the evaluation of the Contractor's performance. Cfr 12.2 for Contractor's right to request a signed NDA.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.33</b>	Book II-Part II and III-Prospective Contract clause 12.3	Please clarify what does it mean free access to the Sw and deliverables and non deliverables. It shall be limited	<p>Section 12.3 concerns in particular the access that a third party would have in order to be able to exercise their mandate under the Contract, i.e. assess Contractor's performance or assist in management of the Contract. Understandably, this third party would need access to the Contractor's premises and all data – including software, if applicable – generated or used under this Contract. Deliverable data is understood to relate to all deliverables under the Contract, finished products, documentation required as part of the milestones, etc.</p> <p>Non-deliverable data generated and/or used under this Contract includes for example non-finished products or drafts of deliverables, if they were generated or used under this Contract. Similarly, any datasets, plans, designs, specifications used to prepare deliverables under the subject of the Contract would have to be accessible to that third party – if it was requested by it.</p> <p>As per the last sentence of Section 12.3, this data does not include financial data unless authorised by the Contractor, with the exception of any specialized commercial audit firms engaged by the NATO Contracting Authority or National audit agencies.</p> <p>Section 12.3 concerns in particular the access that this third party would have in order to be able to exercise their mandate under the Contract, i.e. assess Contractor's performance or assist in management of the Contract. Understandably, this third party would need access to the Contractor's premises and all data – including software, if applicable – generated or used under this Contract. Deliverable data is understood to relate to all deliverables under the Contract, finished products, documentation required as part of the milestones, etc. Non-deliverable data</p>	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
			<p>generated and/or used under this Contract includes for example non-finished products or drafts of deliverables, if they were generated or used under this Contract. Similarly, any datasets, plans, designs, specifications used to prepare deliverables under the subject of the Contract would have to be accessible to that third party – if it was requested by it. As per the last sentence of Section 12.3, this data does not include financial data unless authorised by the Contractor, with the exception of any specialized commercial audit firms engaged by the NATO Contracting Authority or National audit agencies.</p>	

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.34</b>	Book II-Part II and III-Prospective Contract clause 14.7	Please see previous question: are not properly identified so we can't properly evaluate the content of this clause.	Delivery dates and required CLINs are identified for each Milestone in Part II Annex D.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.35</b>	Book II-Part II and III-Prospective Contract clause 15.2	Major performance milestones are not properly identified and listed.	Delivery dates and required CLINs are identified for each Milestone in Part II Annex D.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.36</b>	Book II-Part II and III- Prospective Contract clause 15.3	Do we understand that possible delays of other milestones (no major) are not subject to liquidated damages?	No, the Purchaser reserves all their Contractual rights.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.37</b>	Book II-Part II and III-Prospective Contract clause 15.5	Please include also specifically "or due to causes attributable to the Purchaser (specially in regards with access to the sites) that has an impact on the schedule. It shall be considered to this effect an excusable delay for the Contractor."	This is already covered in Part II 15.5 (beyond control of Contractor...)	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.38</b>	Book II-Part II and III-Prospective Contract clause 15.6	We think is necessary to include a period of grace of at least 30 days?	No, as this will automatically waiver the first 30 days of delay.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.39</b>	Book II-Part II and III-Prospective Contract clause 15.8	To be consistent with meaning of Liquidated damages could you include the following: Notwithstanding the foregoing, these penalties will be the only and maximum amount that the Purchaser can claim for the delays and non-compliance described above.?	No, the Purchaser reserves all its Contractual rights.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.40</b>	Book II-Part II and III-Prospective Contract clause 22.2	Do we have the Annex updated? it is necessary to include an schedule specifying the dates of delivery and availability of those PFP/PFE.	As noted in the SOW paragraph 3.4.3, PFE will be provided to the Contractor 6 weeks prior to FAT. As noted in the SOW paragraph 3.4.4, The Purchaser and the THN's will provide the PFE to the Contractor as described in the SOW Annexes A, D and G. The PFP shall be provided as per the Site Information Data Packages in Annexes B, E and H. PFE and PFP are documented in the Annexes. As noted in SOW paragraph 3.4.5 and its subparagraphs, there is a detailed information as to when PFE/PFP will be provided to the Contractor. The Contractor is responsible to identify if any of the proposed dates do not meet their schedule and should provide that information in the PIP for resolution	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.41</b>	Book II-Part II and III-Prospective Contract clause 22.3	To be consistent with the works to be done this clause needs to be complete, please add: the execution period for Contractor will be automatically extended by a period equivalent to the delay in the delivery of those PFE. Contractor will not be responsible for delays attributable for this reason. ?	The 90 days will be reduced to 30 days. This Change will be reflected in Amendment 3.	Amd 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.42</b>	Book II-Part II and III-Prospective Contract clause 22.5	Purchaser shall inform prior to PDR Milestone, which COTS products will be provided by the Purchaser	NCI Agency confirms to inform the Contractor prior to the PDR Milestone. This addition will be reflected in Amendment 3.	Amd 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.43</b>	Book II-Part II and III-Prospective Contract clause 22.11	If the course of action to remedy the deficient PFE impacts the schedule and major milestones, the execution period for Contractor will be automatically extended by a period equivalent. The Contractor will not be responsible for delays attributable for this reason.	Agree, will be added in Amendment 3.	Amd 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.44</b>	Book II-Part II and III-Prospective Contract clause 24.4	Please include clarification that will only extend the warranty of the site that was offline. The other sites that worked according to the Contract shall continue their warranty period without interruption.	For each critical failure of each site, the warranty will be extended for all the sites for the duration of the unavailability period. The other site that will be operative will be under warranty but the warranty will be extended for every THN site. During the unavailability of 1 site the other sites won't stop operational activities and therefore in case of warranty claim the Contractor shall respond.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.45</b>	Book II-Part II and III-Prospective Contract clause 24.11	Could it be possible for the Contractor to already choose whether to repair or bring a new replacement?	No, it is not possible just from now but it shall be an outcome of Logistic Studies (LORA, FMECA, MTA).	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.46</b>	Book II-Part II and III- Prospective Contract clause 25	It is acceptable for you a 5%?	10% is a Contractual requirement	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.47</b>	Book II-Part II and III- Prospective Contract clause 25.4	Could it be possible for the Contractor to already have the option of reduce the performance guarantee as is foreseen in 25.3?	Only upon receiving sufficient consideration.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.48</b>	Book II-Part II and III-Prospective Contract clause 26.13	If the Contractor fulfils properly and in time the procedures to obtain clearance but the procedures is delay to causes non attributables to CONTRACTOR and are beyond its control, this delay shall not be considered as a Contractor's default, correct?	No, it is the responsibility of the Contractor to possess or obtain Security Clearances timely.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.49</b>	Book II-Part II and III-Prospective Contract clause 28	Related to clause 29. If from the survey unforeseen works are identified as a result of not having all the information, or incorrect information, involving further work over time, the Contractor should not be penalised as a delay, is that correct?	See A.17	Closed

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.50	Book II-Part II and III-Prospective Contract clause 29	Can this clause be conditioned to after the site survey? At the current date we don't have all the information needed.	Clause will be altered in Amendment 3 as follows "(...) except <b>if during the site survey</b> additional effort and cost is <b>discovered</b> by circumstances that could not have reasonably been foreseen (e.g., buried obstacles that are not shown on any drawings furnished)."	Amd 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.51</b>	Book II-Part II and III-Prospective Contract clause 30	Please clarify what "utility outlets" are.	Requisite Utility Outlets” stands for “required power sockets” (for example: 220V sockets – but not limited to) to distribute electricity to equipment that is provided by the Contractor under this project.	Closed

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.52	Book II-Part II and III-Prospective Contract clause 31.1	Can this clause be conditioned or readjusted to after the site survey? Liability for hidden faults shall be excluded	Clause will be altered in Amendment 3 as follows "(...) and that <b>during the site surveys</b> it has investigated and satisfied itself as to the general and local conditions that can affect the work or its cost, (...)"	Amd 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.53</b>	Book II-Part II and III-Prospective Contract clause 31,3	Please include period of grace ( 90 days) to be consistent with previous clauses.	These requirements are part of the deliverables and thus to be performed within the delivery dates of the corresponding Major Milestones	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.54</b>	Book II-Part II and III-Prospective Contract clause 36.2	Due to the different sites, would you consider different incoterms? We suggest DAP or DAT for site with difficult access.	As not all sites might have the necessary equipment, DDP shall be the incoterm.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.55</b>	Book II-Part II and III-Prospective Contract clause 36.5	To be consistent with the works to be done this clause needs to be complete, please add: the execution period for Contractor will be automatically extended by a period equivalent to the delay in the delivery of those PFE. Contractor will not be responsible for delays attributable for this reason.	The 90 days will be reduced to 30 days. This Change will be reflected in Amendment 3.	Amdt3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.56</b>	Book II-Part II and III-Prospective Contract clause 37.2.7	Is it possible to suggest a ECP which impacts the total Contract firm fixed price?	yes, as stated in Part II, 37.2.7	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.57</b>	Book II-Part II and III- Prospective Contract clause 37.2.10	Does this mean that the price can be revised? if affirmative, in which cases?	Yes, the scope of the ECP can have a price impact.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.58</b>	Book II-Part II and III-Prospective Contract clause 39	Please clarify if is article 33.2 or is making reference to this article 39.	It is a typo, will be corrected in Amendment 3.	Amd 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.59</b>	Book II-Part II and III-Prospective Contract ANNEX D	Please confirm If due to some kind of GFE or nation constraint, the survey cannot take place a reasonable payment approach should be considered In general we propose to get the whole payment amount even if some activities have to be moved ahead in schedule (not Contractor responsibility).	In case of Purchaser Delay (Part III, Clause 36) or Purchaser Termination (Part III, Clause 40), an adjustment will be made for incurred costs.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.60</b>	Book II-Part II and III- Prospective Contract	Please confirm limitation of liability (apart from the cap in the liquidated damages) is up to the 50% of the amount of the Contract? and also if indirect and consequential damages are excluded? We suggest this wording: In no event shall Contractor be liable to Purchaser or any of its affiliates for any incidental, consequential or special damages, including but not limited to any lost profits, lost savings, or other incidental damages, arising under this agreement or out of the use of or inability to use, or the delivery of or failure to deliver, any of the components, or any breach of any obligation under this agreement, even if qctap has been advised of the possibility of such damages. the foregoing limitation of liability shall remain in full force and effect regardless of whether Purchaser's remedies hereunder are determined to have failed of their essential purpose. further, the entire liability of Contractor, and the sole and exclusive remedy of Purchaser, for any claim or cause of action arising hereunder (whether in Contract, tort, or otherwise) shall not exceed the 50% of the total amount of the Contract.	The Purchaser reserves all its Contractual rights.	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.61</b>	Book I, Part 1,3.5.4	Paragraph is requested for a Traceability Matrix. Please could you provide us an excel file with the requirements as needed?	The NCI Agency has the Traceability Matrix in Word version only. The Word version will be provided as part of Amendment 3.	Amd 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.62</b>	Book I, Part 1,3.5.19	A QA Plan is requested following the AQAP 2110. Why the AQAP 2110 must be follow instead the AQAP 2120?	<p>A QAP Plan (vs. a QA Programme) should be developed following AQAP 2105 and not 2110 or 2120.</p> <p>A QA Programme should be developed according to 2110 because 2120 is limited to the “production” aspect of the lifecycle, and does not, for instance, include CM, design, or development requirements. Furthermore, the latest version of the 2120 (Ed 3) is dated from 2009 and not maintained by the NATO Standardization Office.</p> <p>The use of 2110 is the norm now and should not be a problem since any aspect of the standard that does not apply to the technical scope of the Contract may be marked as Not Applicable with a short argumentation by the Contractor.</p>	Closed

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.63</b>	Book I, Part 1, Annexes	Please could you provide the annexes in Word file?	Word versions will be provided as part of Amendment 3.	Amd 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.64</b>	Book II Part IV, SOW 11.4	The page relative to the table on 11.4.1 is hidden partially. Please provide the pages correctly.	The SOW including the whole table will be shared with Amendment 3.	Amd 3

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>STATUS</b>
<b>A.65</b>	Book II Part IV, SOW Annexes	Please Provide, if possible, the SRS Annexes for all Sites in excel file. This will help to fulfil the Compliance matrix.	<i>The SRS Annexes are not available in Excel format.</i>	Closed

<b>PRICE</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>P.1</b>		The Contract notice issued on 21 Oct 2020 contained an estimated value of EUR 30.8M. Has this been updated since and if so to what?	NOI Amendment 1 published on 11 Nov 2021 supersedes the NOI of 21 Oct 2020. The estimated budget had not been changed.	Closed
<b>P.2</b>		Can you provide a breakdown of the estimated budget between work package 1 and 2 (CW + CIS)?	A further breakdown of the budget is not available.	Closed
<b>P.3</b>		The estimate of the cost to do this project is out of date. Due to worldwide inflation and shortage of raw materials please update the budget estimates.	The budget was authorized by NATO Nations. In case the Bid of the apparent winner exceeds the estimated budget, NCI Agency will request extra funding to the NATO Nations and the award of the Contract will be conditional to this request being authorized.	Closed
<b>P.4</b>	Book I, Annex A	Considering the subjects of the different CLINs, from number 1 to 17, please indicate and confirm if CLIN 10 is where the costs of site modernization material are included.	CLIN 10 comprises the completion of entire system integration and installation of CIS at site. All SOW requirements of a CLIN are referenced on column E in the Bidding Sheets. All associated costs shall be covered by the respective CLINs.	Closed
<b>P.5</b>	Book I, Annex A	Please indicate and confirm if CLIN 10 is where the costs of civil works are included.	CLIN 9 comprises the completion of civil works at site. All SOW requirements of a CLIN are referenced on column E in the Bidding Sheets. All associated costs shall be covered by the respective CLINs.	Closed
<b>P.6</b>	Book I, Annex A	Please confirm if CLIN 1 includes project management costs for all settlements in all countries, globally.	All SOW requirements of a CLIN are referenced on column E in the Bidding Sheets. All associated costs shall be covered by the respective CLINs.	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
T.1	Book II Part IV SOW Annex D Chapter 3.4 Transmitter HF/SSB 5 Kw	Requirement 3.4.3 and 3.4.4 jj forced air circuit cooling system for HF TX. Nowadays highly reliable self-sufficient cooling system transmitters are available on the market. These modular designed and liquid cooling - state of the art, 3rd generation technology provide highest reliability and lowest operating costs. These liquid cooled transmitters are completely independent of the cooling system of the infrastructure. We assume that liquid cooled 5 kW transmitters, compliant to the requirements as stated at chapter 3.4 Rack Transmitter HF/SSB – 5 kW, can be offered as well.	NCI Agency confirms liquid cooled 5 kW transmitters, compliant to the requirements as stated at chapter 3.4 Rack Transmitter HF/SSB – 5 kW, are allowed and will be reflected in Amendment 3.	Amd 3
T.2	Book II, Part IV, SOW Annex D, Page 46, v.i/ii/iii/iv	Out-of-band noise Reference STANAG 5511, ed 6, ch 7, 7.1.g (2) Can you confirm out-of-band noise is measured on Rx sites on the output of the transmitter?	NCI Agency confirms out-of-band noise is measured on Rx sites on the output of the transmitter.	Closed
T.3	SOW Annex D, 3.5	UHF Transceivers must be upgradeable to Saturn a) Must radios be upgradeable internally or can be upgradeable by adding additional (external) hardware? B) How the required fixed frequency UHF filters will work with the Saturn upgrade?	a) SATURN Voice is required for GBR and GRC UHF transceivers but not for NLD. The upgradability is related to the Link 22 EPM function, which is based on SATURN. The UHF radio shall be the same for all three Nations therefore with the same solution. b) The UHF filters and/or amplifiers shall operate also in SATURN mode.	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			NOTE: depending on the technology and design of the radio the filters/amplifiers may be external or internal modules.	
T.4		NCI Agency will provide the comms control system to integrate with the Contractor's radios. Who owns the risk of this interface not working correctly?	Risk is on NCI Agency SSSB Section Software integration, provided that the radio ICDs and MIBs, delivered by the Contractor for the radio(s), are identical with the remote control interface firmware of the related radio(s).	Closed
T.5		Is there a requirement for the existing SSSB capability to remain operational during the upgrade of each site?	<p>UK - RRH Saxa Vord UK - Shetland Islands Second – With RRH Benbecula up THN UK may not need to keep the existing site on line, especially if RRH Portreath still online.</p> <p>UK - RRH Benbecula UK - Outer Hebrides Priority – Nil there.</p> <p>UK - RRH Portreath UK - Mainland Third – with 2 other sites complete, THN UK may not need to keep RRH Portreath operational during upgrade.</p> <p>GRC - There is no requirement for the existing SSSB capability to remain operational during the upgrade of the GRC sites.</p> <p>NLD -Confirmed that there is a requirement for the existing SSSB capability to remain OPS during the upgrade as mentioned by the staff officers below.</p> <p>HF:</p> <ul style="list-style-type: none"> <li>• TX 1 / 2 at Julianadorp operational together with RX 1 / 2 at</li> </ul>	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			<p>Noordwijk</p> <ul style="list-style-type: none"> <li>• TX 3 / 4 at Zeewolde (at this moment Ouddorp) operational together with RX 3 / 4 op Noordwijk.</li> <li>• This means that activities cannot be performed per site, but are transmitter/receiver dependent</li> </ul> <p>UHF:</p> <ul style="list-style-type: none"> <li>• There are 2 TRX at Den Helder (Albatros). Primary one should be operational for TDL-comms with the navy and E3. UHF has a lower priority then HF, because UHF TDL primary is used for Link 16.</li> </ul> <p>All of the above depends when the sites are modified. If the modification is conducted after 1-1-2025 all sites can be modified at the same time (due to sunset date L11). Please keep in mind that if we are able to successfully implement Link 22 before the upgrade of the sites we do need the radio sites as mentioned above.</p>	
T.6	civil works	Please confirm that any RF cables supplied within the facilities are GFE.	<p>If the Contractor chooses to re-use existing RF cables, the Contractor shall test/measure the existing RF cables for proper functionality. The Contractor shall provide and install new RF cables if proper functionality of existing RF cables does not meet the functional requirements.</p> <p>The only sites where RF cabling is offered are the NL sites.</p>	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
T.7	civil works	Please confirm if the Contractor is required to carry out RADHAZ predictions in accordance with ICNIRP Regulations.	<p>UK - In the UK, bidders need to carry out RADHAZ predictions. Details can be found in ICNIRP Guidelines for Limiting Exposure to EMF (100 KHZ TO 300 GHZ).</p> <p>GRC -Please refer to para 2.6.3 of Section 2 (Description of the Civil Works) of Annex I for further details.</p> <p>NLD - The RADHAZ predictions shall be calculated by SME's within the Netherlands. These experts work for the royal Dutch navy and are able to carry out these calculations once they have the data sheets of the antenna.</p> <p>No costs are charged for the calculation by the antenna expert within the navy.</p> <ol style="list-style-type: none"> <li>1. Supplier provides antenna and transmission installation data.</li> <li>2. We estimate the RadHaz distance. This is NOT final. This can be used as an indication of the costs of the fencing during the tender. The reason that this is not definitive is that we do not know the antenna pattern well enough for unknown antennas. In practice, this can lead to unexpected situations where the field strength may be higher or lower than expected. This then influences the size of the fence. (3 days)</li> <li>3. The supplier provides specifications for foundation positions.</li> <li>4. Central government real estate company (RVB) makes foundations/lays cables.</li> </ol>	Closed

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
			5. Supplier installs antenna/connects. 6. We measured the safe distance around the antenna (3 days) 7. RVB installs fences.	
<b>T.8</b>	civil works	Please confirm if the THN's are responsible for obtaining any planning permissions for new antennas.	Also refer to T10 below.  Contractors are required to liaise with THN.	Closed
<b>T.9</b>	Book II, Part IV	Sub-Contractors approved by each THN?	UK - There is no list of approved companies. It is handled as skilled person(s) – (a few days training required) but depending on the area under construction it could be cordoned off under CDM (Construction, Design and Management) Regulations. GRC- Lists of Approved Companies provided (see attachments). NLD - No list is available. The Government real estate agency is the agency who provides (sub) Contractors for civil works in the Netherlands. As mentioned in our presentation to the bidders the need to contact this agency.	Closed
<b>T.10</b>	Book II, Part IV, Annex D	How long is taken for permissions? Is schedule affected?	Also refer to T8 Above. UK - THN UK would refer to SOW section 14.1.8 and 14.1.9 for permissions. As permissions depend on the designs, this has to be established as part of the Contract but all responsibility lies with the Contract. Anticipated timelines for planning permissions can be found on local council sites. GRC - No need to obtain "the urbanistic certificate" from the regional and/or local authorities according to the	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			<p>MINISTERIAL DECISION 26229/1123/1987 (Government Gazette 749/D' 10.8.1987) "Terms and procedure for issuing building permits for the execution of military projects"</p> <p>NATIONAL DEFENSE AND ENVIRONMENT, SPATIAL PLANNING &amp; PUBLIC WORKS:"1) The studies for the issuance of these licenses are prepared by the techniques services of the Ministry of Defense and must be in accordance with applicable laws relevant provisions.2) The architectural studies for projects or installations that are performed inside approved road plans or within settlement boundaries are approved by locally responsible urban planning services. Such approval is not required for projects or installations carried out in or outside camps are within approved road plans or settlement boundaries or and outside of these as well as in areas outside of approved road plans or settlement boundaries.3) The above building permits must be in accordance with urban planning provisions that apply each time and the terms and building restrictions of the area. NLD - All permits should be applied for by the government real estate agency (RVB). Estimated permit processing time in weeks:1 Noordwijk - 70 weeks (worst case)2 Julianadorp - 15 weeks 3 Zeewolde - 15 weeks 4 Den Helder Albatros - 15 weeks</p>	

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
<b>T.11</b>	Book II Part IV SOW Annex D	Usually at areas like special protections (NATURA 2000), only allowance are provided in case is required to guarantee National Security. In these cases, the authorizations process is performed between the National Administration authorities (MoD with national/regional or local authorities). Please confirm who will be the responsible for that.	<p>NATURA 2000 area refers to only one site in NLD. NLD MoD will do all coordination, administrative effort etc. to assure that the Contractor can work in NATURA 2000 area.</p> <p>Permits as shown in the table at T10 above, include environmental permits within the NATURA 2000 area of Noordwijk. Costs are included in the cost estimate. The government real estate then is able to calculate the exact cost for the permits and placement of the antenna + foundation at a later date.</p>	Closed
<b>T.12</b>	Book II Part IV SOW Annex D	If Contractor is finally the responsible of the authorization process, some delays can be expected. Who will take the responsibility of this delay? How does the Contract protect the Contractors?	THN law and regulations define timelines within which THN authorities shall authorize/ issue respective permits. In its Bid schedule the Contractor shall include an estimated duration based upon stipulated law and regulations for given authorization / permit. If THN authorities exceed these timelines the Contractor will not be held responsible for associated delays. However, if the Contractor fails to provide all required documentation (correct, complete, formatted as required and compliant with THN respective law and regulations) to obtain given authorization / permit, and by this creates delays, the responsibility of such delays remains with the Contractor.	Closed
<b>T.13</b>	Book II, Part IV, Annex A, 2.1.6.	Please confirm this requirement is also valid for the 2 other THNs.	Each THN has a specific SRS Annex.	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
T.14		Do you confirm UHF radio shall be EPM (HQ II and SATURN) compliant?	NCI Agency confirms that UHF radio shall be EPM (HQ II and SATURN) compliant.	Closed
T.15		Do you confirm that the L22 EPM capability is only to be upgrade option? What test shall be required to demonstrate those L22 EPM capability?	<p>The Link 22 EPM is an Upgrade Capability.</p> <p>The upgrade shall be performed via SW upgrade (HW interface already present).</p> <p>The L22 EPM SW upgrade shall EXIST latest at time of the COMMS Radio Site Acceptance Test (RSAT) - meaning: The UHF Radio Manufacturer shall provide a written statement containing</p> <ul style="list-style-type: none"> <li>- The L22 EPM SW Upgrade Part Number</li> <li>- L22 EPM NSN</li> <li>- A statement about how the upgrade is integrated</li> </ul> <p>Capability demonstration shall be at either:</p> <p>A. Can be performed at COMMS site by Software upgrade by HN COMMS experts:</p> <ul style="list-style-type: none"> <li>- Delivery lead time (arrival at the Purchaser) not exceeding four (4) weeks after a L22 EPM purchase request submitted by the Purchaser to the equipment manufacturer - for</li> </ul>	Amd 3

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			<p>the radios under this Contract.</p> <p>B. Must be performed at Manufactures Premises:</p> <p>- Shipment of L22 EPM upgraded equipment from the manufacturer premises to the Purchaser not later than four (4) weeks after equipment delivery at manufacturer premises - for the radios under this Contract.</p> <p>Change will be reflected in Amendment 3.</p> <p>Quantity x 100 W UHF radio transceivers upgradable to support Link 22 EPM. The UHF radios shall be upgradeable latest at Radio Site Acceptance Test (RSAT).</p> <p>The information above will be reflected in a future Amendment.</p>	
T.16	Book I Instructions To Bidders chapter 1.2 Book II Part IV SOW Annex D Chapter 2.10.3 UHF Components and Chapter 3.5 UHF TRx Assembly	<p>Requirement 1.2.3.1 Replacement of UHF amplifiers with new equipment supporting the SATURN standard. Requirement [A] b i The UHF radios shall be upgradeable latest at Site Acceptance Test (RSAT) Requirement 3.5.1 UHF TRX have to be upgradeable for Link 22 EPM, voice HQII and SATURN capability. Can NCI Agency explain the meaning of supporting</p>	<p>Please see T3:</p> <p>a) SATURN Voice is required for GBR and GRC UHF transceivers but not for NLD. The upgradability is related to the Link 22 EPM function, which is based on SATURN. The UHF radio shall be the same for all three Nations therefore with the same solution. b) The UHF filters and/or amplifiers shall operate also in SATURN mode.</p>	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
		<p>the SATURN standard and have to be upgradeable for SATURN. According to our interpretation supporting is not the same as upgradeable. For clear understanding and avoidance of doubt, must upgrade of SATURN be part of the scope and implemented latest during RSAT?</p>	<p>NOTE: depending on the technology and design of the radio the filters/amplifiers may be external or internal modules.</p>	
<b>T.17</b>	<p>Book II Part IV SOW Annex D Chapter 3.5.UHF TRx Assemblyr</p>	<p>Requirement 3.5.4 Tunable RF filter to improve the selectivity performances of the UHF Link 11 transceiver assembly. Only UHF Link 11 is listed here. Nothing is mentioned here about L22 EPM , HQII and SATURN. Tunable RF filter have to be upgradeable for L22 EPM, HQII and SATURN? For clear understanding and avoidance of doubt, must upgrade of hopping filters be part of the scope and implemented latest during RSAT?</p>	<p>Please see T3.  FULL functionality of the SSSB system is required which includes the upgrade of the hopping filters as needed.  Further information will be reflected in Amendment 3.</p>	Amd 3

<b>TECHNICAL</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>T.18</b>	IFB-CO-15577-SSSB-Book II-Part IV, SOW, Annex A, Paragraph 1.4.4, Radio Management	Will NCIA develop the new drivers for OSCC for equipment will be provided by the Contractor?  If yes what sort of information will be required from Contractor by NCIA?	The NCI Agency SSSB Section will develop new drivers for COMMS equipment, needed for COMMS control. To implement the remote control of COMMS equipment, the Contractor shall provide the related ICDs to NCI Agency.  Further information will be added in Amendment 3.	Amd 3
<b>T.19</b>	IFB-CO-15577-SSSB-Book II-Part IV – SOW – Annex A, Paragraph 2.2 Connectivity	It was stated that there are main and fallback (backup) connections will be provided by UK MOD as part of their National Defence Network.  Please confirm whether that exchange between main and backup networks will not be under the scope of Contractor or not.	The Contractor is responsible for the automatic switching from Major to Backup NDN connection as part of the scope of this Contract. The NDN itself does not fall under the scope of this Contract, as it is provided by the THN.	Closed
<b>T.20</b>	IFB-CO-15577-SSSB-Book II-Part IV, SOW, Annex A, Paragraph 2.14.2.e, Summary of Responsibilities	Please confirm that whether implementation of DLOS microwave inter-site communication links, is alternative to the backup NDN which is already exist or it is actually backup system itself.	The DLOS microwave inter-site communication link is not an alternative to the NDN.	Closed
<b>T.21</b>	IFB-CO-15577-SSSB-Book II-Part IV, SOW, Annex A, Paragraph 2.4.4	Please clarify that whether technical support shall be provided by the Contractor to Purchaser includes and software development engineering activities or not?	Technical support for PFE does not include software development activities (meaning within OSCC).  Includes engineering support providing the technical documentation and support to the Purchaser in the configuration and customisation of the sub-system in relation to	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			<p>the communication equipment. (LC) The eventual PFE configuration modification shall be documented, in the frame of standard technical process, as following:</p> <ol style="list-style-type: none"> <li>1.Configuration documentation</li> <li>2.Technical Manuals,</li> <li>3.Technical documentation</li> <li>4.Training materials</li> </ol> <p>to be delivered in the frame of Contract and shall be subject of the training</p>	
<b>T.22</b>	IFB-CO-15577-SSSB-Book II-Part IV, SOW, Annex A, Paragraph 2.4.6	<p>Does "all fully equipped and fully integrated racks for the RRH sites (including PFE, radio and COMMS equipment and full applied wiring) statement means all the 5KW Transmitters (qty 2) , HF Receivers (qty 2), UHF Radios (qty 2), Tx Antenna Matrix, Dummy Load, Rx Multi-coupler, AIS, Audio Matrix, DTS, SPC Serial Device Server, Router, Switch as well as the PFE</p> <p>Items or a common system set up by using Exciter of 5KW Tx (qty 1), Receiver (Qty1), UHF (qty 1) with remaining system items including PFE?</p>	<p>NCI Agency confirms that a "fully integrated rack" contains all items to include PFE as installed in the final configuration at the COMMS site.</p>	Closed
<b>T.23</b>	IFB-CO-15577-SSSB-Book II-Part IV, SOW, Annex A, Figures 8 to 13	<ol style="list-style-type: none"> <li>1. Please confirm that labels market as POL in figures 8 to 13 are actually be GBR.</li> <li>2. Please confirm that whether items stated as Power Control in figures 8 to 13 are actually be SMS or part of SMS?</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirming figures 8 to 13 relate to GBR not POL (Blue box to be read as GBR).</li> <li>2. The power control is a power (multi) socket based unit with IP connection, allowing the individual Power-Down/Power-UP for a connected device. Falls under the responsibility of the</li> </ol>	Amd 3

<b>TECHNICAL</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
			Contractor.  Change will be reflected in Amendment 3.	
<b>T.24</b>	IFB-CO-15577-SSSB-Book II-Part IV – SOW, Annex A, Paragraph 3.3, and Paragraph 4.14	Technical requirements for Site Monitoring System - SMS are described under two paragraphs which 3.3 and 4.14. Please clarify which one will be applicable or prevail to another?	Both chapters are valid as they are complementary to each other.	Closed
<b>T.25</b>	IFB-CO-15577-SSSB-Book II-Part IV – SOW – Annex A, Paragraph 3.3	Please evaluated that data transfer should be two direction and SSSB OSCC HLC/LLC shall also convey data to SMS such as alarms related with Radio Receivers, HF and UHF Transmitter parameters in order to have reliable and concurrent system.	<ol style="list-style-type: none"> <li>1. SMS shall interface with the OSCC.</li> <li>2. SMS has full Site Monitoring functional responsibility.</li> <li>3. The SMS will be responsible to distribute the SMS information (Site States, Site Alerts, Equipment States, Equipment Alerts, Power Generator, Intrusion Detection, Cooling System, etc. ...) also to the other COMMS sites SMSs.</li> <li>4. For the detailed approach of the Contractor, Technical Interchange Meetings shall be performed amongst the THN, NCIA and the Contractor. At the TIM the THN will describe the currently existing/installed site monitoring system.</li> <li>5. Bi-Directional data exchange between the OSCC and the SMS is needed providing states and alerts to the OSCC and for acknowledgement and management messages, etc.</li> </ol>	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
T.26	IFB-CO-15577-SSSB-Book II-Part IV – SOW – Annex A, Paragraph 4.14.1,	<p>It has been requested that SMS will be provided by the Contractor shall be compatible with any monitoring system already installed by the THN.</p> <p>In above statement;</p> <ol style="list-style-type: none"> <li>1. What will be the required level of compatibility?</li> <li>2. Is there any information about the already installed and planned to be installed monitoring systems?</li> <li>3. Does technical information including ICDs (hardware and software) will be provided to Contractor by the HN?</li> </ol>	<p>After Contract award, Technical Interchange Meetings (TIM) shall be performed amongst the THN, NCI Agency and the Contractor. At the TIM, the THN will describe the currently existing/installed site monitoring system and provide documentation as appropriate for Contractor design considerations.</p>	Closed
T.27	IFB-CO-15577-SSSB-Book II-Part IV, SOW, Annex A, Paragraph 3.11, Receiver HF / SSB	<p>Dimensions of the Receivers stated as rack mountable with size (max) defined as 19" x 580 mm x 3U (W x D x H) weight (max) defined as 20 kg.</p> <p>Although, we consider that since the equipment will be installed to the radio stations there are enough space/room to install and there is no limitation or critical situation in terms dimension and weight, if a receivers would be proposed with height of 4U and weight of 24 kg, would it be considered as non-compliancy, while it meets all other requirements with a project life cycle cost advantage or not?</p> <p>We kindly ask NCIA to review dimension and weight requirements on the grounds above.</p>	<p>The size and weight requirements are based on the Human Engineering standard MIL-STD-1472G with respect to remove and replace for maintenance actions. If the maximum size and weight requirements are exceeded then Standard or Special Tools will be required to lift and transport the items while still maintaining the MTTR requirements. Therefore, if Contractor propose items that exceed the maximum size and weight requirements for any item, then the solution must also include the necessary Standard or Special Tools to support the necessary maintenance actions while ensuring all MTTR requirements are met.</p> <p>Technical solution must be compliant with Human Engineering Standard, MIL-STD-1472G.</p>	Amd 3

<b>TECHNICAL</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
			Change/addition will be reflected in Amendment 3.	
<b>T.28</b>	IFB-CO-15577-SSSB-Book II-Part IV, SOW, Annex A, Paragraph 3.6.7, Audio/Data Matrix	What is the minimum input (and output) capacity required?	Contractor is responsible for determining the minimum input and output capacity as part of the technical design and solution. This shall be considered for all Audio/Data lines for all SSSB services (VOICE/L11/L22 and all related signals).  Final decision on in/out "channel" capacity is to be recommended by the Contractor.	Closed
<b>T.29</b>		A pre-selector might not improve the system performance. Is a pre-selector needed if the requirements are fulfilled without.	NCI Agency confirms that a pre-selector is required.	Closed
<b>T.30</b>		Can the function of the pre-selector (3.12 HF-RX Pre-Selector) be implemented in the receiver (3.11 SSSB HF Receiver)?	Please see T.29.  In addition: Does not need to be a separate unit. Contractor is responsible for the technical design to satisfy all functional requirements.	Closed

<b>TECHNICAL</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>T.31</b>		A pre-selector might not improve the system performance. Is a pre-selector needed if the requirements are fulfilled without.	Duplication of T.29.	Closed
<b>T.32</b>	IFB-CO-15577-SSSB-Book II-Part IV – SOW, Annex A, Paragraph 2.4.10, Design Requirements	What will be the level of support which will be provided by THN and Purchaser (NCIA) during the integration of PFE equipment? Will it be documentation level or on call service or direct engineering support at site and/or Contractor facilities?	THN and NCI Agency support will be provided in the form of documentation, as well as, coordinated direct engineering support via remote support and at Contractor premises.	Closed
<b>T.33</b>	IFB-CO-15577-SSSB-Book II-Part IV, SOW, Annex A, Paragraph 4.10.1.a.	If the tree needs to be cut, Q1. Will there be a permission? Q2. Will the host country help get these permissions? Q3. Will there be any cost?	None of the planned radio sites have any trees. Further requirements information is also available in IFB-CO-15577-SSSB-Book II-Part IV, SOW CW Annexes.	Closed
<b>T.34</b>	IFB-CO-15577-SSSB-Book II-Part IV – SOW, Annex A, Paragraph 2.2.3, Connectivity	Q1. Will the use of explosives be allowed for the construction foundation in rocky areas? Q2. If permission will be given, will the explosive be supplied by THN? Q3. If it will be provided by the Contractor, will the necessary permits be obtained by THN?	UK - Explosives cannot be used for construction at the THN UK sites. NLD - This does not apply to THN NLD. GRC - In accordance with THN GRC legislation, the use of explosives is not allowed. Especially when it comes to Kythira new site, since it is an island of significant archaeological interest.	Closed

<b>TECHNICAL</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
		(It is a known issue that such permissions are very difficult to obtain)		
<b>T.35</b>	IFB-CO-15577-SSSB-Book II-Part IV – SOW, Annex A, Paragraph 4.10.1. e.	In the event that historical artefacts are found during the excavation of the foundation, will the suspension of the work be considered within the scope of force majeure?	NCI Agency confirms any findings of any historical/ archaeological artefacts and associated time and efforts required to address them according to respective THN laws and regulations shall be considered as 'force majeure'.	Closed
<b>T.36</b>	PART IV SOW ANNEX A, ANNEX D, ANNEX G 3.11.ff	HF Receiver rack mountable max size was specified as 19" x 580 mm x 3U (W x D x H). Are receivers with 4U size acceptable?	Please see T.27.  Technical solution must be compliant with Human Engineering Standard, MIL-STD-1472G.  Change/addition will be reflected in Amendment 3.	Amd 3
<b>T.37</b>	PART IV SOW ANNEX A, ANNEX D, ANNEX G 3.11.gg	HF receiver's max weight was specified as 20kg. Are receivers up to 25kg acceptable?	Please see T.27.  Technical solution must be compliant with Human Engineering Standard, MIL-STD-1472G.  Change/addition will be reflected in Amendment 3.	Amd 3

<b>TECHNICAL</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>T.38</b>	PART IV SOW ANNEX A, ANNEX D, ANNEX G 3.4.4.v	Out of band Noise i, ii, iii, iv: is it possible to specify the related NATO STANAG regarding to those specifications	MIL-STD 188-203 1A.	Closed
<b>T.39</b>	PART IV SOW ANNEX D Figure 12	Zeewolde HF-TX Site schematic shows direct connection between transmitters and antennas. There is also a dummy load in the system. Without using an antenna matrix, it might be very difficult and risky to switch a transmitter between antenna and dummy load using large (1 5/8") coax cables with EIA connectors. It is recommended to add an antenna matrix for that site. Please clarify!	As laid down in SOW Annex D figure 12.  Contractor is responsible for the technical design solution to be reviewed and approved at PDR.	Closed
<b>T.40</b>	PART IV SOW ANNEX G Figure 17	HF-RX/TX/UHF Kythira site schematic shows RX (via multicoupler) and TX equipment connected to same antenna matrix. Based on that design drawing, there might be an intention to use TX antennas for receive purposes which is not recommended and might not be possible during operation. High power transmissions, although antenna matrix might provide sufficient isolation, because of the small distance between TX antennas would cause overloading of receivers even if they operate at different frequencies. The voltage level at the receiver input might burn the circuits or engage the protection to disable reception. We recommend	Drawing failure in Figure 17: 1. The Antenna Matrix is only used for the HF TX Radios. 2. The two HF RX Radios are connected to the Multi Coupler and from there to the HF RX Antenna.  Changed drawing will be reflected in Amendment 3.	Amd 3

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
		separate matrices for transmit and receive purposes. Please clarify!		
<b>T.41</b>	PART IV SOW ANNEX G Figure 17	HF-RX/TX/UHF Kythira site schematic shows RX and TX antennas separated few hundreds of meters. Normally, between transmit and receive antennas for high power operation, the separation should be couple of kilometers. The design in the sketch is possible when transmitter operates with the condition that receiver is muted. If both transmit and receive operations are needed in parallel simultaneously, than either transmit or receive antennas should be installed elsewhere to provide the isolation. Otherwise, The voltage level at the receiver input might burn the circuits or engage the protection to disable reception. Please clarify!	At this location there is only one area available, for which the Contractor shall find the best architectural/functional design. Contractor is responsible for the technical design solution to be reviewed and approved at PDR.	Closed
<b>T.42</b>	SOW Annex C Annex F Annex I	Please provide below information for the civil works. Kartsinoudi Length (m) Width (m) Height (m) Qty. 1. Total length of the fence to be built 2. Dimensions of the existing fuel tanks 3. Dimensions of the existing power generator manholes and manhole covers 4. Total distance between fuel tanks and power generators 5. Dimensions of the existing concrete base of HVAC	Response provided in Word document.	Amd 3

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
		outdoor unit 7th Air Force Radar Station - Skyros Length (m) Width (m) Height (m) Qty. 6. Dimensions of the SSSB equipment room 7. Distance between site and the Disposal Area Portreath Length (m) Width (m) Height (m) Qty. 8. Total length of the fence to be built 9. Total length and width of the antenna access roads to be built 3 10. Distance between site and the Disposal Area Kythira Length (m) Width (m) Height (m) Qty. 11. Total length of the fence to be built 12. Total length of the antenna access roads to be built 13. Dimensions of the fuel truck parking to be built 14. Dimensions of the VAN parking to be built 15. Dimensions of the concrete base of power generators 16. Distance between site and the Disposal Area Sideros Length (m) Width (m) Height (m) Qty. 17. Dimensions of the existing fuel tanks 18. Dimensions of the existing power generator manholes and manhole covers 19. Total distance between fuel tanks and power generators 20. Dimensions of the existing concrete base of HVAC outdoor unit 21. Dimensions of the COMMS building		

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
		22. Dimensions of the SSSB equipment room 23. Dimensions of the COMMS building front facade 24. Dimensions of the building main entrance door 25. Dimensions of the RF cabling manholes and manhole covers 26. Distance between site and the Disposal Area Fiber Optic - Crete Length (m) Width (m) Height (m) Qty. 27. Total length of the trench to be excavated 0.1 0.5 28. Dimesions of the new manholes and manhole covers 29. Distance between site and the Disposal Area Mavros Length (m) Width (m) Height (m) Qty. 30. Total length of the fence to be built 31. Dimensions of the existing fuel tanks 32. Dimensions of the existing power generator manholes and manhole covers 33. Total distance between fuel tanks and power generators 34. Quantity and dimensions of the RF cabling manholes and manhole covers 35. Dimensions of the existing concrete base of HVAC outdoor unit 36. Distance between site and the Disposal Area Limnonari Length (m) Width (m) Height (m) Qty. 37. Total length of the fence to be built 38. Dimensions of the existing fuel tanks 39. Dimensions of the existing power generator		

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
		manholes and manhole covers 40. Total distance between fuel tanks and power generators 41. Dimensions of the RF cabling manholes and manhole covers 42. Dimensions of the existing concrete base of HVAC outdoor unit 43. Dimensions of the COMMS building roof 44. Dimensions of the SSSB equipment room 45. Dimensions of the COMMS building front facade 46. Dimensions of the concrete base of power generators 47. Distance between site and the Disposal Area 48. Dimensions of the COMMS building 49. Dimensions of the SSSB equipment room 50. Dimensions of the COMMS building front facade 51. Dimensions of the building main entrance door 52. Quantity and dimensions of the RF cabling manholes and manhole covers 53. Dimensions of the concrete base of power generators 54. Distance between site and the Disposal Area 7. Air Force Radar Station - Skyros Length (m) Width (m) Height (m) Qty. 55. Dimensions of the SSSB equipment room 56. Distance between site and the Disposal Area Portreath Length (m) Width (m) Height (m) Qty. 57. Total length of the fence to be built		

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
		58. Total length and width of the antenna access roads to be built 3 59. Distance between site and the Disposal Area Benbecula Length (m) Width (m) Height (m) Qty. 60. Total length of the fence to be built 61. Total length and of the antenna access roads to be built 3 62. Distance between site and the Disposal Area Saxa Vord Length (m) Width (m) Height (m) Qty. 63. Total length of the fence to be built 64. Total length and of the antenna access roads to be built 3 65. Distance between site and the Disposal Area Zeewolde Length (m) Width (m) Height (m) Qty. 66. Total length of the fence to be built 67. Distance between site and the Disposal Area Julianadorp Length (m) Width (m) Height (m) Qty. 68. Total length of the fence to be built 69. Distance between site and the Disposal Area		
<b>T.43</b>	SOW Annex C Annex F Annex I	Only Kythira and Portreath job sites required a new SSSB building. All the rest are basically a refurbishment of the existing ones. Please clarify.	NCI Agency confirms only Kythira and Portreath require new SSSB building. However, a new block house built within the existing building at RRH Saxa Vord is also required.	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
T.44	SOW Annex C Annex F Annex I	Do we have to submit a detailed building design of each job site at the tendering stage? Please clarify.	<p>The detailed building design is not required at the bidding stage. The requirements for CW related design documentation at the bidding phase are stipulated in IFB-CO-15577-SSSB, BOOK I - INSTRUCTIONS TO BIDDERS, section 3.5.9. Civil Works. This section lists numerous requirements formulated as presented in cited below examples:</p> <p>3.5.9.2. The Bidder shall submit preliminary analysis, documents and drawings...</p> <p>3.5.9.3. The Bidder shall submit for each radio site, preliminary and schematic...</p> <p>3.5.9.3.2. Application – general description where and why major material and equipment are used / proposed for installation, construction, demolishing and dismantling works...</p> <p>3.5.9.3.4. Identification and general description of method of implementation for key works...</p> <p>3.5.9.4.4. General description of building systems ...with supporting schematic and conceptual drawings.</p> <p>3.5.9.5.5. Key dimensions of main infrastructure (for example roads and parking lots, antenna fields)</p>	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
T.45	SOW Annex C Annex F Annex I	Sound insulation of the block house only required in Saxa Vord. Please clarify.	<p>UK - Acoustic insulation will be determined by areas but must comply with noise assessment for working. Visual checks will be performed to ensure that fire stopping products have been installed and that correct labels affixed near to any penetration. Further information from UK SME's will be available once received.</p> <p>NCIA Team Comment - There are numerous requirements related to sound insulation and noise level limits at various sites for different structures and equipment. It is not a requirement related only to Saxa Vord. It is particularly important at the sites where the Contractor is responsible for provision of completely new buildings. Please see below some examples of the SOW requirements:                      SOW Annex I – GRC Radio Sites                      26.15.1.                      n. The PGS shall be installed in a sound attenuated, weatherproof, rust resistant hard-wall enclosure.                      o. The sound insulation shall be non-hydroscopic.                      24.1.1. The HVAC system shall include at the minimum the following main elements:                      d. Acoustic noise dampers in air ducting system                      24.4.1. The noise level generated on site when all equipment, that includes electronic equipment, transmitters, HVAC, power generators, UPS etc. are operating simultaneously shall not exceed Noise Rating NR55 (defined by ISO 1996) measured 10 m distant from the perimeter fence.                      24.4.2. If one duct or one duct system includes air inlet or air</p>	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			<p>outlet grills for ventilation or air conditioning of different rooms, the noise produced in any of these rooms and transmitted through these ducts to any other of these rooms shall have from room to room an attenuation minimum in dB at least equal to the attenuation guaranteed by the partition separating these rooms.</p> <p>24.4.3. It is the Contractor's responsibility to determine and foresee, in function of the materials used, all precautions/method/measures to guaranty that the specifications in this SOW are met. Some measures can be amongst others, acoustic baffles, acoustic insulation materials in some ducts, mechanic and elastic suspension of some equipment groups etc.</p> <p>24.4.4. The Noise Rating level shall not exceed following values:</p> <ul style="list-style-type: none"> <li>a. Supply Storage Room/Workshop and Test facilities for electronic equipment – NR60</li> <li>b. SSSB Equipment room (if no HVAC inside– NR50)</li> <li>c. Corridor and vestibule– NR45</li> <li>d. Power Generator room – NR75</li> <li>e. Main Power switchgear room – NR70</li> <li>f. UPS/Battery room – NR70</li> <li>g. Environment Control room (HVAC) – NR75</li> </ul>	

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
<b>T.46</b>	2	Hoarding around the job site mentioned at UK Sites in the documents. Is there any similar requirements at NL & GRE job sites? Please clarify.	The requirement for fencing, signs and marking at the construction sites is valid at each location in each nation. It shall be provided, installed and maintained by the Contractor in compliance with respective THN regulations in force. An example of such requirement for THN GRC is stipulated in SOW Annex I, SECTION 21.	Closed
<b>T.47</b>	IFB-CO-15577-SSSB - Book II - Part IV, Annex A, Par. 3.12.1 - bullet d. IFB-CO-15577-SSSB - Book II - Part IV, Annex G, Par. 3.12.1 - bullet d.	The requirement referred to is "d. Gain: 0 ±3 dB". Receiving HF pre-selectors typically have a gain of -6dB ± 2dB. Can you please clarify if a Gain of -6dB ±2dB is acceptable?	The Gain of -6dB ±2dB is not acceptable.	Closed
<b>T.48</b>	Bidders Library - Site Information Data Packages for UK, Netherlands and Greece	Most of the drawings and diagrams included in the Data Packages are in low resolution and cannot be properly read. Please provide the same documents in a better quality and higher resolution.	NCI Agency did not identify low resolution drawings and/or diagrams. Please refer to the Bidders Library for original documents in higher resolution.	Closed
<b>T.49</b>	IFB-CO-15577-SSSB - Book I - Part I, Sec 1.5 and Sec. 1.6	In order to share with local companies in UK, Netherlands and Greece the Restricted information present in the Bidders Library documents and mandatory for the evaluation of the local civil works, we understand that the previous approval of NCIA is needed. Furthermore the acquisition of the proper	Please see A.10	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
		clearance by local companies can be a long process that could significantly delay project. We therefore ask NCIA to provide a list of local civil companies in each Country having already the necessary clearance to work in NATO sites and the NCIA approval to receive through the proper channels and procedures such Restricted documents		
<b>T.50</b>	IFB-CO-15577-SSSB - Book II - Part IV SOW, Annex G, Sec.4.14	For Greece is stated that "the Contractor shall integrate nine (9) DLOS Inter-site connections". We understand that existing DLOS equipment shall not be replaced and that only the procurement and the deployment of new cabling and antennas is in the Contractor scope. Please provide details of the existing equipment and explain the responsibilities of Contractor in relation to the all DLOS connections. Furthermore please indicate the requirements that the Contract shall consider for the selection of proper cabling and antennas.	As confirmed by THN Greece: <ul style="list-style-type: none"> <li>• DLOS mast designs are not available.</li> <li>• The Contractor will ensure the design satisfies the technical specification described in the SOW and respective Annexes without impacting current operations of existing equipment.</li> </ul>	Closed
<b>T.51</b>	IFB-CO-15577-SSSB - Book I - Annex A - Bidding Sheets - CLIN 2 and CLIN 6	We understand that all civil works at sites (CLIN 8) shall be completed before W111 and that systems installation and integration in all sites shall be started after CLIN 8 completion and shall be completed before W144. May these two activities be overlapped?	Where it makes sense and in concertation with NCI Agency and THN, Contractor may overlap civil works and system installation and integration provided the Contractor adheres to local laws, regulations and Contractual testing requirements. Contractor shall be encouraged to recommend an overlap if that optimises the costs or efforts or schedule.	Closed

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
<b>T.52</b>	IFB-CO-15577-SSSB - Book II - Part IV - Annex A - Par. 2.14.1 , point f. - Annex D - Par. 2.14.1 , point g. - Annex G - Par. 2.14.1 , point j.	Contractor is responsible for Delivery of racks for inter-site/intra-site communication equipped with power distribution and accessories including racks for NDN equipment. Please provide mechanical and electrical details of any equipment to be installed in these racks	Contractor is responsible for the technical design solution to be reviewed and approved at PDR	Closed
<b>T.53</b>	IFB-CO-15577-SSSB - Book II - Part IV - Annex A - Par. 2.14.1 , point g. - Annex D - Par. 2.14.1 , point h. - Annex G - Par. 2.17.1 , point k.	Please provide an estimation of the labor man/days to be considered by Contractor for the support to THN and NCIA to integrate and test the inter-site communications in each Country.	Intersite communication test (per SSSB Buffer Centre) will, as a minimum, last: 1. Preparation: 1 week 2. Site Acceptance Test: 1 week 3. Contractor engineering manning at the COMMS Sites during activities: - To be calculated by the Contractor.  Change/addition will be reflected in Amendment 3.	Amd 3
<b>T.54</b>	IFB-CO-15577-SSSB - Book II - Part IV - Annex A - Par. 3.4.3 - Annex D - Par. 3.4.3 - Annex G - Par. 3.4.3	Please confirm that other types of cooling systems are accepted (e.g.: liquid)	Please refer to Clarification Question T1 above.	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
T.55	IFB-CO-15577-SSSB - Book II - Part IV - Annex A - Par. 4.3 Annex D - Par. 4.3 Annex G - Par. 4.3 Site Information Data Packages (UK, Greece, Netherlands)	Please provide missing details on available power allocated to SSSB full systems for NB and SB PSS in each site. Please provide missing details on the power available in each site for the Contractor activities during site works.	<p>Information will be provided by THN's as appropriate to the apparent winner after Contract Award.</p> <p>UK</p> <p>Q1 - The Contractor shall note that for SSSB UK it is the Contractor's responsibility to provide UPSs at each of the sites. Hence, the Contractor shall provide and install UPSs with sufficient capacity to assure sufficient NB PSS power for SSSB full systems and other equipment as stipulated in Annex C and in site-specific Appendixes.</p> <p>Q2 - The SOW requirements are the same as for SSSB GR in terms of responsibility for utility provision during site works. This means that it is the Contractor's responsibility to assure power provision during site works</p> <p>GRC</p> <p>Q1 - The Contractor shall note that for SSSB GRC it is the Contractor's responsibility to provide power generators and UPSs at the sites. Hence, the Contractor shall provide and install power generators and UPSs with sufficient capacity to assure sufficient NB and SB PSS power for SSSB full systems and other equipment as stipulated in Annex I and in site-specific Appendixes.</p> <p>Only following appendixes do not introduce requirements for NB</p>	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			<p>and SB PSS:</p> <ul style="list-style-type: none"> <li>• Appendix 4: Civil Works for DLOS and Fiber Optic Interconnection to the National Defense Network, Crete Island, GR</li> <li>• Appendix 8: Civil Works for DLOS antenna replacement, 5 (five) locations, GR</li> </ul> <p>Q2 - The SOW provides following requirements (in green):</p> <p>SOW Annex I – GRC Radio Sites</p> <p>1.2. General Responsibilities of the Contractor</p> <p>...</p> <p>1.2.4. In relation to all deliverables (for example pieces of equipment, material, structural works, systems, subsystems, components, line-replaceable units etc.) that are part of any installation and/or construction works, as specified in the core SOW, this Annex and site specific Appendixes, the Contractor shall be responsible for the following:</p> <p>...</p> <p>g. Provision of all required utilities the Contractor needs for the execution of the project (power, water, internet connection etc.). This may require provision of power generators with construction site power distribution system, fuel tanks, water tanks etc. (unless THN GRC agrees to provide those at the sites in which case it shall be specifically agreed with THN GRC in relation to individual sites).</p>	

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			<p>Site connection to utilities</p> <p>21.9.1. The Contractor shall be responsible for connection of the site to all utilities (electricity, telephone network, fiber optic cabling, drainage networks etc.).</p> <p>21.9.2. The connection to all utilities shall be planned and implemented in accordance with respective THN regulations.</p> <p>21.9.3. The Contractor shall be responsible for payment of all costs for utilities used by the Contractor and its Sub-Contractors during the entire duration of the project.</p> <p>21.9.4. The cost for the utilities shall be billed directly to the Contractor by the companies providing respective utilities and services.</p> <p>21.9.5. It is the Contractor's responsibility to make arrangements for the provision of all utilities and services (including payment arrangements) with respective providers.</p> <p>21.9.6. The removal of any temporary site connections to utilities (electricity, telephone network, fiber optic cabling, water distribution and drainage networks), as well as the restoration of all utilities connections to their initial state before the Contractor started activities at the site, are the Contractor's responsibility.</p> <p>The above-stipulated requirements imply that it is the Contractor's responsibility to assure power provision during site works.</p> <p>Immediate power requirements (low voltage), can be realized / covered with existing generator sets and in some cases (AKRA</p>	

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			<p>MAVRO) and KYTHIRA, this can be in the form of Utility Mains. This can be the case in Kartsinoudi as well, however the LV may need to be replaced and an inspection and service of the MV Transformers and switch gear needs to be performed first.</p> <p>However there can be NO GUARANTEES, and there is a potential risk factor involved, which lies with the CONTRACTOR.</p> <p>NLD</p> <p>Q1 - The Contractor shall note that for SSSB NL it is the Contractor's responsibility to provide UPSs at each of the sites. Hence, the Contractor shall provide and install UPSs with sufficient capacity to assure sufficient NB PSS power for SSSB full systems and other equipment as stipulated in Annex F and in site-specific Appendixes.</p> <p>Q2 - The SOW requirements are the same as for SSSB GR in terms of responsibility for utility provision during site works. This means that it is the Contractor's responsibility to assure power provision during site works.</p>	

<b>TECHNICAL</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>T.56</b>	IFB-CO-15577-SSSB - Book II - Part IV - Annex A - Par. 3.13, Site Block Diagrams Annex D - Par. 3.12, Site Block Diagrams Annex G - Par. 3.13, Site Block Diagrams	The HF RX Multi-couplers for all three nations are specified with two outputs only. Comparing this specification with the signal block diagrams, this appears to be correct just for the UK sites. In Greece there are sites having three receivers connected to the multi-couplers and in the Netherlands there is one site having even four receivers fed by the multi-coupler. Please clarify.	The input/output of the Multi Couplers shall be in relation to the number of radios and antennas, as listed in the respective THNs figures (block diagrams). The Contractor shall calculate the correct number of Multi Coupler I/O lines.  Change/addition will be reflected in Amendment 3.	Amd 3
<b>T.57</b>	IFB-CO-15577-SSSB - Book II - Part IV SOW, Annex G, Sec.4.14	For Greece is stated that "the integration of eighteen (18) DLOS systems shall be performed as a 1+1 hot standby configured system.". We understand that existing DLOS equipment shall not be replaced and that only the procurement and the deployment of new cabling and antennas is in the Contractor scope. Please provide details of the existing equipment and explain the responsibilities of Contractor in relation to the all DLOS connections. Furthermore please indicate the requirements that the Contract shall consider for the selection of proper cabling and antennas.	As confirmed by THN Greece: <ul style="list-style-type: none"> <li>• DLOS mast designs are not available.</li> <li>• The Contractor will ensure the design satisfies the technical specification described in this SOW and respective Annexes without impacting current operations of existing equipment.</li> </ul>	Closed

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
<b>T.58</b>	IFB-CO-15577-SSSB - Book II - Part IV SOW, Annex I, Appendix 1, Sec.2.23 Appendix 3, Sec.2.22 Appendix 4, Sec.2.2 Appendix 5, Sec.2.22	Contractor scope includes the " provision and installation of required number of .. new DLOS tower with all associated works" in four Greek sites. Please specify if the height of these towers shall be indicated by the Purchaser or by Contractor. If equipment other than SSSB DLOS shall be mounted on this towers please provide all necessary details in order to perform the proper calculations	<p>The height of each DLOS tower, which is to be provided by the Contractor, shall be identified / designed by the Contractor to assure DLOS functionality as specified in the SOW and respective Annexes. The Contractor is not required to consider additional equipment other than SSSB DLOS in the technical design.</p> <p>Contractor is responsible for the technical design solution to be reviewed and approved at PDR.</p>	Closed
<b>T.59</b>	Site Information Data Packages (UK, Greece, Netherlands)	HF Radio Sites with co-located Transmitter and Receiver antennas, Benbecula in UK and Kythira in Greece. In these sites, the distance between the TX and the RX antennas is very short. Normally, a distance of several kilometres is recommended between HF TX and RX antennas. Assuming a distance of 500m between the antennas and each antenna having 5dBi of gain, a coupling of around 25dB can be expected. This corresponds to about 16W at the receiver input. The receiver associated to the same channel of the transmitter would even not be protected by the pre-selector filter. Also the second receiver operating on a different channel might suffer some interference. Please clarify.	<p>Please see T.41.</p> <p>Contractor is responsible for the technical design solution to be reviewed and approved at the PDR.</p>	Closed

<b>TECHNICAL</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>T.60</b>	IFB-CO-15577-SSSB - Book II - Part IV - Annex A - Par. 3.17, 3.18 Annex D - Par. 3.17, 3.18 Annex G - Par. 3.17, 3.18	Selection of Multiplexers, Routers and Switches "shall be performed in close coordination with the Purchaser and the THN. The final decision on the selected multiplexer type is with the Purchaser". Please anticipate preferred brands and models in order to make a technical and cost assessment for the bid.	Contractor is responsible to propose the required equipment in accordance with the specifications. Purchaser will validate the equipment meets the specifications at the PDR.	Closed
<b>T.61</b>	IFB-CO-15577-SSSB - Book II - Part IV - Annex A - Par. 2.11 Annex D - Par. 2.2 Annex G - Par. 2.14	The inter-site link between the HF TX and HF RX sites employs Contractor furnished multiplexers. Among others, these multiplexers transport the L11 signals from the HF Receivers to the L11 DTS at the TX sites. This link is rather sensitive to time delay. For example: In the architecture for the link between Limnonari and Kartsinoudi in Greece there are three DLOS hops and two IP routers. The multiplexers are based on PCM technology; this means that the PCM signal will be transported over IP, which introduces arbitrary delays and synchronisation problems on the multiplexers. In the Netherlands these links are established via NDN. Considering that all these delays and synchronisation issues are beyond the control of the Contractor, please confirm that delay and synchronization for inter-sites and intra-sites link are under the responsibility of THN and Purchaser.	Contractor is responsible for the technical design solution to be reviewed and approved at the PDR. The technical design shall address the delays and synchronisation challenges and provide recommendations / requirements for the THN NDNs.	Closed

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
<b>T.62</b>	Par. 3.12 IFB-CO- 15577-SSSB-UK-GR-NL, Book II, Part IV SOW, ANNEX D (SRS)	As documented in section 3.12, the rack mountable HF-RX multi- coupler allows the use of one HF antenna with two (2) HF receivers. As we have seen in the Limnonari, Sideros and Noordwijk sites (SSSB-UK-GR-NLD Bidd Conf - Presentations Day I), the multi-coupler is connected to more than two EF receivers. In order to avoid a higher insertion loss, we suggest the installation of an active 4:1 multi-coupler.	<p>Please see T.56</p> <p>The input/output of the Multi Couplers shall be in relation to the number of radios and antennas, as listed in the respective THNs figures (block diagrams). The Contractor shall calculate the correct number of Multi Coupler I/O lines.</p> <p>Change/addition will be reflected in Amendment 3.</p>	Amd 3
<b>T.63</b>	Par. 19.2.3 IFB-CO- 15577-SSSB-UK-GR-NL, Book II, Part IV SOW, ANNEX I (GRC RADIO SITES)	Based upon the aforementioned paragraph (point a) for what it concerns the life cycle of the buildings (50 years), we request whether the usage of a shelter or similar alternative is considered acceptable instead of the creation of a new building.	The shelters or any other alternatives are not acceptable. New buildings shall be provided as stipulated in the SOW.	Closed
<b>T.64</b>	Par. 23.1.11 IFB-CO-15577-SSSB-UK-GR-NL, Book II, Part IV SOW, ANNEX I (GRC RADIO SITES)	In the paragraph mentioned before, the mast, antennas, foundation and ancillaries should have a life cycle of at least 30 years without substantial maintenance. Can you please specify what do you mean by substantial maintenance?	Substantial maintenance shall be understood as other than regular maintenance specified in manufacturer instructions for given structures or equipment. For example for antenna mast a regular maintenance would be periodic re-tensioning of guywires, while replacement of structural elements, sandblasting of the structure and repainting shall be considered as substantial maintenance. Refurbishment of concrete/ reinforced concrete foundations shall also be considered as substantial maintenance.	Closed

TECHNICAL																
Serial NR	IFB REF	QUESTION	ANSWER	Status												
T.65	Book II, Part IV, Annex D	Usually at areas likes special protections like Natura 2000, only allowance are provided in case is required to guarantee National Security. In this cases, the authorizations processes is performed between the National Administration authorities (MoD with national/regional or local authorities). Please confirm who will be the responsible for that.	<p>NATURA 2000 area refers to only one site in NLD. NLD MoD will do all coordination, administrative effort etc. to assure that the Contractor can work in NATURA 2000 area.</p> <p>Contractor is responsible for applying for all permits through the NLD government real estate agency(RVB). Permit processing time in weeks and estimated costs are listed below:</p> <table border="0"> <tr> <td>1. Noordwijk</td> <td>70 wk (worst case)</td> <td>€ 63.000</td> </tr> <tr> <td>2. Julianadorp</td> <td>15 wk</td> <td>€ 58.500</td> </tr> <tr> <td>3. Zeewolde</td> <td>15 wk</td> <td>€ 63.500</td> </tr> <tr> <td>4. Den Helder Albatros</td> <td>15 wk</td> <td>€ 10.000</td> </tr> </table>	1. Noordwijk	70 wk (worst case)	€ 63.000	2. Julianadorp	15 wk	€ 58.500	3. Zeewolde	15 wk	€ 63.500	4. Den Helder Albatros	15 wk	€ 10.000	Closed
1. Noordwijk	70 wk (worst case)	€ 63.000														
2. Julianadorp	15 wk	€ 58.500														
3. Zeewolde	15 wk	€ 63.500														
4. Den Helder Albatros	15 wk	€ 10.000														
T.66	Book II, Part IV, Annex D	If Contractor is finally the responsible of the authorization process, some delays can be expected. Who will take the responsibility of this delays? How the Contract protect to the Contractors?	<p>THN law and regulations define timelines within which THN authorities shall authorize/ issue respective permits. In its Bid schedule the Contractor shall include an estimated duration based upon stipulated law and regulations for given authorization / permit. If THN authorities exceed these timelines the Contractor will not be held responsible for associated delays. However, if the Contractor fails to provide all required documentation (correct, complete, formatted as required and compliant with THN respective law and regulations) to obtain given authorization / permit, and by this creates delays, the responsibility of such delays remains with the Contractor.</p>	Closed												

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
<b>T.67</b>	Book II, Part IV, Annex D	Contract is enough to empower the Contractor to allow the permission request?	It is the Contractor's responsibility to check whether the Contract is sufficient or if further authorizations (e.g. a power of attorney from the THN) are required.	Closed
<b>T.68</b>	Book II Part IV, Annex A	UK Radio Sites 2.1.6.The environmental impact evaluation shall be the responsibility of Contractor in conjunction with the UK MoD. Any environmental authorization shall be granted by the THN provided the design proposed by the Contractor meets the environmental criteria. Please confirm this requirement and if this one can be considered extensive to the rest of the countries	NCI Agency confirms the requirement as stated in Annex A  Each THN has specific environmental impact evaluation requirements as documented in the appropriate THN Annexes..	Closed
<b>T.69</b>	Book II Part IV, 1.3	Please Clarify the interpretation of Purchaser versus Host Nation/Territorial Host Nation, taking into account that Territorial Host Nation is a Host Nation, other than a Strategic Command or NATO Agency, that is responsible for implementing a Security Investment project	NCI Agency is both the Purchaser and the Host Nation as authorised by the NATO Investment Committee.	Closed
<b>T.70</b>	Book II Part IV, 4.11	As detailed three separate reviews must be schedule for each country, this means that the IFB is for three projects joined in the same IFB. Please clarify if the project office will be the same and if additionally how many projects meetings must be scheduled. And in	The project reporting shall encompass all sites. Pending Contractor's proposed schedule / design the PDR / CDR / FAT and testing reporting can be done by Nation or combined.	Closed

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
		this cases all the documentation package must be done for 3 different projects. Please confirm.		
<b>T.71</b>	Book II, Part IV	Across the SOW, there is not identification on the time as required by the Purchaser to provide comments to the documents, to be able to approve the version. If this time is not fix, and the way to manage additional comments (only on the initial subjects) the schedule cannot be closed. Please clarify.	Refer to SOW, Section 15.4. that provides direction on the Documentation Acceptance Process and timelines	Closed
<b>T.72</b>	Book II, Part IV 9.3	e. The Contractor shall define the 2nd and 3rd Level Support process interfaces to the other processes, including the existing NCIA Service Desk (1st Level of Support). Please Clarify	The Contractor is responsible to define the process of triggering 2nd and 3rd levels of support starting by the already existing 1st level of support that will be in charge to NCIA. It shall be defined in the framework of the ISS Plan and CLS Plan respecting the General Concept of Maintenance described in the framework of the ILSP.	Closed
<b>T.73</b>	Book II Part IV,SOW 10.4.17	Please confirm the number of laptops or components to be provided.	The number of Laptops shall be part of the Contractor proposal and Purchaser evaluation, together with all hardware components and other peripherals required to accommodate the IETP and to share IETP data between all IETP user sites	Closed

<b>TECHNICAL</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>T.74</b>	Book II Part IV, SOW 10.5.4	Detail the IETP level required.	The question is not pertinent. In the 10.5.4 is stated that OEM (COTS) TMs shall be delivered in one of the other common use formats and integrated into the IETPs	Closed
<b>T.75</b>	Book II Part IV, SOW 11.3	The Contractor shall provide a Performance Report every 3 months. Please clarify if the report is one or three (per each country)	It is one report provided status for all three THN's.	Closed
<b>T.76</b>	Book II Part IV, SOW 11.4	The page relative to the table on 11.4.1 is hidden partially. Please provide the pages correctly.	Please see A.64.	Amd 3
<b>T.77</b>	Book II Part IV, SOW 12	Please clarify the Phase 2 FAT. It seems that there is not limit on test on deliverables. Please clarify.	IFB-CO-15577-SSSB-Book-2 - Part 4 SOW Paragraph 12 is referenced here: - "b. Phase 2 – Factory Acceptance Test(s) – FAT (Shall also include but not limited to major non-CIS support/system deliverables such as power generators and UPS)." Non-CSI equipment as e.g. power generators, UPS, etc. will be tested at the RSAT.	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
T.78	Book II Part IV, SOW 15.3.4	Documentation submission is clear, no identified the review time for the Purchaser. Please clarify.	Table at SOW Section 15.4.3 provides review timetables.	Closed
T.79	Book II Part IV, SOW 15.3.4&15.4	Between initial and final document only 2 weeks are considered. Please clarify the processes. Additionally the acceptance processes is taken 7 weeks, as per 15.4.3	<p>It should be noted document delivery times also includes the period for submission of drafts for review in accordance with SOW Para 15.3.4:</p> <p>a. Draft. (version 0.1) To be submitted to the Purchaser for review no later than 30 days prior to the SSS delivery date. The Contractor should be aware that should the Purchaser deem the document deliverable not to be of sufficient standard/quality then it will be rejected without any further review by the Purchaser. Any associated costs as a result of re-work/delays to document delivery due to poor quality/standard will be borne by the Contractor.</p> <p>b. Initial Version. The initial versions shall be delivered by the Contractor (version 0.2) to the Purchaser no later than one week after receiving the Purchaser's comments.</p> <p>c. Final Version. The Final versions shall be delivered by the Contractor (version 1.0) to the Purchaser in line with the SSS</p> <p>It should also be noted that in accordance with SOW Section</p>	Closed

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
			15.4.9. The Purchaser reserves the right to return without review a document that has significant deficiencies.	
<b>T.80</b>	Book II Part IV, SOW 16.10	CBT, one containing all countries?	The CBT development way shall be part of the Contractor proposal and Purchaser evaluation.	Closed
<b>T.81</b>	Book II Part IV, SOW Annexes	Please Provide, if possible, the SRS Annexes for all Sites in Excel file. This will help to fulfil the Compliance matrix.	Please see A.65.	Amd 3
<b>T.82</b>	Book II Part IV, SOW Annexes	All the PFE, please when will be provided and the information as provided with the PFE	PFE delivery timeline is 6 weeks before the FAT. PFE documentation delivery will be performed as soon received from the manufacturer during the acquisition process.	Closed
<b>T.83</b>	Book II Part IV, SOW Annex A. 2.11.1	The Contractor is responsible for the intra-site communication, which will be needed at RRH Saxa Vord and RRH Portreath between the local sub sites. Please clarify	Intra-Site communication refers to the scenario where radio equipment (TX and RX) is to be placed at two different locations within a military premises, Example: HF TX and HF RX.	Closed

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
<b>T.84</b>	SOW Annex C – UK Radio Sites	UK THN, will take responsibility on the constructions approvals	NCIA confirms the UK THN's building authorities will provide final building sign off/approvals.	Closed
<b>T.85</b>	SOW Annex C – UK Radio Sites. 20.1	The Contractor shall be solely responsible for all required administrative efforts associated with construction permit application (for example meetings with local authorities, electricity providers, fire brigade, preparation of required documents, reports, analysis etc.). As my understanding from the Bidders Conference, the Bidder is responsible to provide all the documentation needed to reach the approval, but is the THN who will manage with the governmental entities.	As per the IFB documentation, it is the Contractors responsibility to liaise with the appropriate THN GBR MOD/Local Authorities/Government Agencies for all administrative efforts up to and including the final approvals.	Closed
<b>T.86</b>	SOW Annex C – UK Radio Sites. 21.6.1	Where required tree felling permits and tree felling execution is the responsibility of the Contractor and shall be executed at no additional cost to the Purchaser.	See T.33	Closed
<b>T.87</b>	SOW Annex F – NLD Radio Sites, 6.2.2	6.2.2. The Contractor shall address this aspect where necessary during design phase, construction permit process and in execution phase. Regarding asbestos, considering that the	SSSB UK - the asbestos will be managed by THN UK hence no quotation is expected from the Bidders. SSSB NLD - up to 4.0 m <sup>3</sup> (in summary for all of the NLD SSSB sites) of material contaminated with asbestos to be removed and disposed of by the Contractor will be included in AMD 3 as	Amd 3

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
		Bidders has not performed a Site Survey, please How we can manage in the quotation?	<p>within the scope. Any excess of that shall be counted as an additional effort for which the Contractor is entitled to raise an additional claim.</p> <p>SSSB GRC - up to 20.0 m<sup>3</sup> (in summary for all of the GRC SSSB sites) of material contaminated with asbestos to be removed and disposed of by the Contractor will be included in AMD 3 as within the scope. Any excess of that shall be counted as an additional effort for which the Contractor is entitled to raise an additional claim.</p> <p>To be included in Amendment 3.</p>	
<b>T.88</b>	SOW Annex F – NLD Radio Sites	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	NCIA confirms information as documented in SOW Annex F.	Closed
<b>T.89</b>	SOW Annex F – NLD Radio Sites	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	NCIA confirms information as documented in SOW Annex F.	Closed

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
<b>T.90</b>	SOW Annex I – GRC Radio Sites	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	As per the IFB documentation, it is the Contractors responsibility to liaise with the appropriate THN GRC MOD for all administrative efforts up to and including the final approvals.  Anticipated timelines for planning permissions can be found on local authority sites.	Closed
<b>T.91</b>	Book II Part IV, Annex H , Chapter 24.5.3.B:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	The term stand-by equipment in this context refers to stand-by heating equipment that shall be provided for emergency situations where primary heating system failed and only if emergency heating equipment is required to perform safely and efficiently maintenance on essential services such as us the SSSB system itself, power generators, HVAC which supports SSSB system. The requirement shall be read in conjunction with 24.6 which describes required heating capacity. It is possible that for example some locations in GRC may not require any heating stand-by equipment while in other location it may be required.	Closed
<b>T.92</b>	Book II Part IV, Annex H , Chapter24.7.1:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	It is not implicit requirement for all power generator rooms. Should the Contractor demonstrate that the power generator room envelope provides sufficient weather insulation to assure safe operation and maintenance of the power generators (also in terms of thermal comfort for personnel) heating of power generator room might no be required - neither as primary heating nor as stand-by heating equipment.	Closed

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
<b>T.93</b>	Book II Part IV, Annex H, Chapter 24.8.2:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	The new built SSSB buildings and the new block-house shall be provided by the Contractor as windowless facilities. The Contractor also shall not install new windows in other buildings. The Contractor shall assure provision of fresh air as stipulated in site specific Appendixes.	Closed
<b>T.94</b>	Book II Part IV, Annex H, Chapter 24.18:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	The Contractor shall assure air-conditioning, heating and ventilation for various premises as specified in the SOW. If the Contractor is able to assure that centralized automatic control of cooling system is sufficient to assure the above, the control room by room is not necessary. In some premises full air conditioning is required, for some others heating is stipulated as the minimum (unless the Contractor is able to demonstrate that for power generator rooms even heating is not necessary to meet H&S requirements for O&M of the power generators). However, the Contractor is allowed to provide full air-conditioning in all premises (except in the power generator room) if it is economically justified. Electric heaters are radiators in this context which means the electricity shall be the source of energy and heating operation shall no be based on hot water production or by burning gas or burning oil etc.	Closed

<b>TECHNICAL</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>T.95</b>	Book II Part IV, Annex H , Chapter 24.21.8e:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	HMI (Human-Machine Interface) shall be installed indoor. The Contractor shall propose the location in its design. Should the Contractor demonstrate that the power generator's control panel fulfils the function of monitoring/ control equipment (i.e. a control panel) for the buried fuel tanks, a separate monitoring/ control equipment (i.e. a control panel) for fuel tanks is not required.	Closed
<b>T.96</b>	Book II Part IV, Annex H , Chapter 24.21.8g:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	The automatic tank gauge shall be an electronic device. The specific technology shall be proposed by the Contractor in its design.	Closed
<b>T.97</b>	Book II Part IV, Annex H , Chapter 24.21.8l:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	The Contractor shall provide fully redundant fuel pumps enabling transfer of the fuel to both generators. Additionally, for emergency operation, manually operated fuel pumps enabling transfer of the fuel to both generators shall also be provided. The pumps shall be provided either in power generator room or in a dedicated pit/ manhole. The emergency, manually operated pumps shall be located in power generator room. The precise location of pumps and the related design shall be developed by the Contractor. In any case the fuel pumps shall be protected against weather conditions as specified in the SOW and suitable access for their O&M shall be assured.	Closed

<b>TECHNICAL</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>T.98</b>	Book II Part IV, Annex H , Chapter 24.22.7:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	It is the Contractor's responsibility to design detailed solution. The use of power generator's PLC (programmable logic controller) is acceptable solution to control the fuel pumps.	Closed
<b>T.99</b>	Book II Part IV, Annex H , Chapter 26.5:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	The term power station refers to the power transformer.	Closed
<b>T.100</b>	Book II Part IV, Annex H , Chapter 26.5.7.f:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	An earth disconnecting switch is required unless the requirements stipulated in 26.5.1, which takes precedence, impose a contradicting requirement.	Closed
<b>T.101</b>	Book II Part IV, Annex H , Chapter 26.8:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	(TB) 26.8.3.d addresses the requirement for integration with existing MPDB. If such integration requires provision of new circuit breakers and modification of existing power distribution system and the power boards/ panels it is the Contractor's responsibility. However, please note requirements that are stipulated in site specific Annexes. An example of those is cited herein:  SSSB GRC, Appendix 1:	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			<p>2. Responsibilities of the Contractor</p> <p>2.16.1. Complete SSSB electrical installation, both indoor and outdoor, with dedicated EPDBs (Equipment Power Distribution Boards), including surge protection devices and residual current devices (RCD), required to power all equipment provided by the Contractor for SSSB project (including HVAC, fuel supply system, fire detection and alarm, power distributed to antenna fields etc.)</p> <p>2.16.2. Integration of the SSSB electrical installation with existing MPDB (Main Power Distribution Board) and Medium Voltage Transformer:</p> <p>2.16.2.1. The integration shall include installation of adequate circuit breakers, cabling provision and installation, and modification of existing power distribution system and the power boards/ panels as required to connect power cables for SSSB electrical installation</p> <p>2.16.3. If the integration with existing MPDB is not possible, the Contractor shall:</p> <p>2.16.3.1. remove and dispose of the existing MPDB</p> <p>2.16.3.2. provide and install a new MPDB</p> <p>2.16.3.3. integrate SSSB electrical installation with the new MPDB</p> <p>2.16.3.4. integrate all remaining electrical installation of entire building with the new MPDB</p>	

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
<b>T.102</b>	Book II Part IV, Annex H , Chapter 26.8.j:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	26.8.j does not exist. NCIA team assumes the Bidder meant 26.8.1.j In 26.8.1.j. the term 'electronic equipment' refers to all equipment provided by the Contractor that shall be powered via UPS and the UPS means 'no-break'. In 26.8.1.j. the term 'domestic utilities and auxiliary loads' refers to all other equipment at the site (both provided by the Contractor and existing THN GRC owned equipment) that is not powered via Contractor provided UPS and 'no-break' means power supplied by Contractor provided power generators. Please note that power generators provided by the Contractor shall be capable of providing power for entire the SSSB site in case of main power failure. Further requirements are stipulated in site-specific appendixes.	Closed
<b>T.103</b>	Book II Part IV, Annex H , Chapter 26.8.2.B:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	The detailed technical solution is the Contractor's responsibility and shall be implemented in compliance with respective standards stipulated in the SOW. Should a motor controller circuit braker, for the control alarm from main step-down transformer, not be required by the respective standards it will be acceptable on the condition that the MPDB connection to the transformer is in compliance with those standards stipulated in the SOW.	Closed

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
<b>T.104</b>	Book II Part IV, Annex H , Chapter 26.8.5:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	One single meter for entire MPDB is not acceptable. However, the Contractor can propose solution where a number of digital meter is reduced and each of the proposed digital meters displays multiple parameters. In smaller power panels (for example HVAC power panel) one meter is acceptable.	Closed
<b>T.105</b>	Book II Part IV, Annex H , Chapter 26.8.5.b.iv:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	The earth fault alarm on HV means the earth fault alarm on the transformer.	Closed
<b>T.106</b>	Book II Part IV, Annex H , Chapter 26.9:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	See T.25	Closed
<b>T.107</b>	Book II Part IV, Annex H , Chapter 26.11.1.b:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	“Making speed independent of the operator” refers to an automatic operation.	Closed

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
<b>T.108</b>	Book II Part IV, Annex H , Chapter 26.11.2.e:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	The detailed technical solution is the Contractor's responsibility including stored energy system for breaker operating mechanism. For example, the circuit breaker operating mechanism shall be equipped with an energy storage mechanism for assuming a plurality of states, each state having a prescribed amount of energy stored in the energy storage mechanism. When the energy stored in the energy storage mechanism is released it provides an urging force 'to the drive plate causing the holder assembly to travel in the range defined by the first position to the second position.'	Closed
<b>T.109</b>	Book II Part IV, Annex H , Chapter 26.11.2.g:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	The detailed technical solution is the Contractor's responsibility and provision of such solution for each circuit is acceptable when it assures circuit breakers conform to IEC 60947, IEC 60898, EN 61008, EN 61009 or THN equivalent.	Closed
<b>T.110</b>	Book II Part IV, Annex H , Chapter 26.11.3.a:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	The detailed technical solution is the Contractor's responsibility. The trip device is a device which actuates the opening of a small automatic switch.	Closed
<b>T.111</b>	Book II Part IV, Annex H , Chapter 26.15.1.w:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	The purpose of the referenced batteries is to start the power generator.	Closed

<b>TECHNICAL</b>				
<b>Serial</b>	<b>IFB</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
<b>NR</b>	<b>REF</b>			
<b>T.112</b>	Book II Part IV, Annex H , Chapter 26.15.3.iii:	19.3 The Contractor shall be solely responsible for preparation and submittal of the construction permit file in terms of its completeness, correctness and timely presentation to relevant THN authorities.	The Contractor shall provide the power generators equipped (according to manufacturer's specification) with: - dual fuel filters that have also filter element /water separator that stops water - oil filters - air filters	Closed

**ATTACHMENT B****Answer to Clarification Request #T.42**

Please note that the Clarification Request text is written in black below, while the Purchaser's Answer is in blue.

**Kartsinoudi Length (m) Width (m) Height (m) Qty. (SSSB GR - Appendix 1)****1. Total length of the fence to be built**

Answer: The requirement is formulated in Appendix 1 in a descriptive way without stipulating a specific fence length. Supplementary information such as site layouts, maps, pictures etc. when available were already provided in the SIDP Annex and Bidders Library. The Contractor shall do analysis of the requirements as already stipulated, cross reference the requirements with SIDP and Bidders Library information, execute further research in open sources, use available software (for example Google Earth Pro) to make approximate measurements of distances in digital maps available in open sources. The above shall lead the Contractor to conclusion on what the fence length shall be to meet contractual requirements.

**2. Dimensions of the existing fuel tanks**

Answer: There are three main cylindrical fuel tanks (20.000 lt) 3m outside the building which are placed on a full concrete structure in 2m depth. The dimensions of those are approx. 1,70m (length/height) X 4m (width/diameter). Also there is one metal fuel day tank (2.000 lt) in the machinery room with dimensions 1m (length/height) X 2m (width/diameter).

**3. Dimensions of the existing power generator manholes and manhole covers**

Answer: The dimensions of the existing power generators manholes are 0,90m X 0,90m . Dimensions of the manhole covers are 1,50m X 1,50m X 0,60m (height).

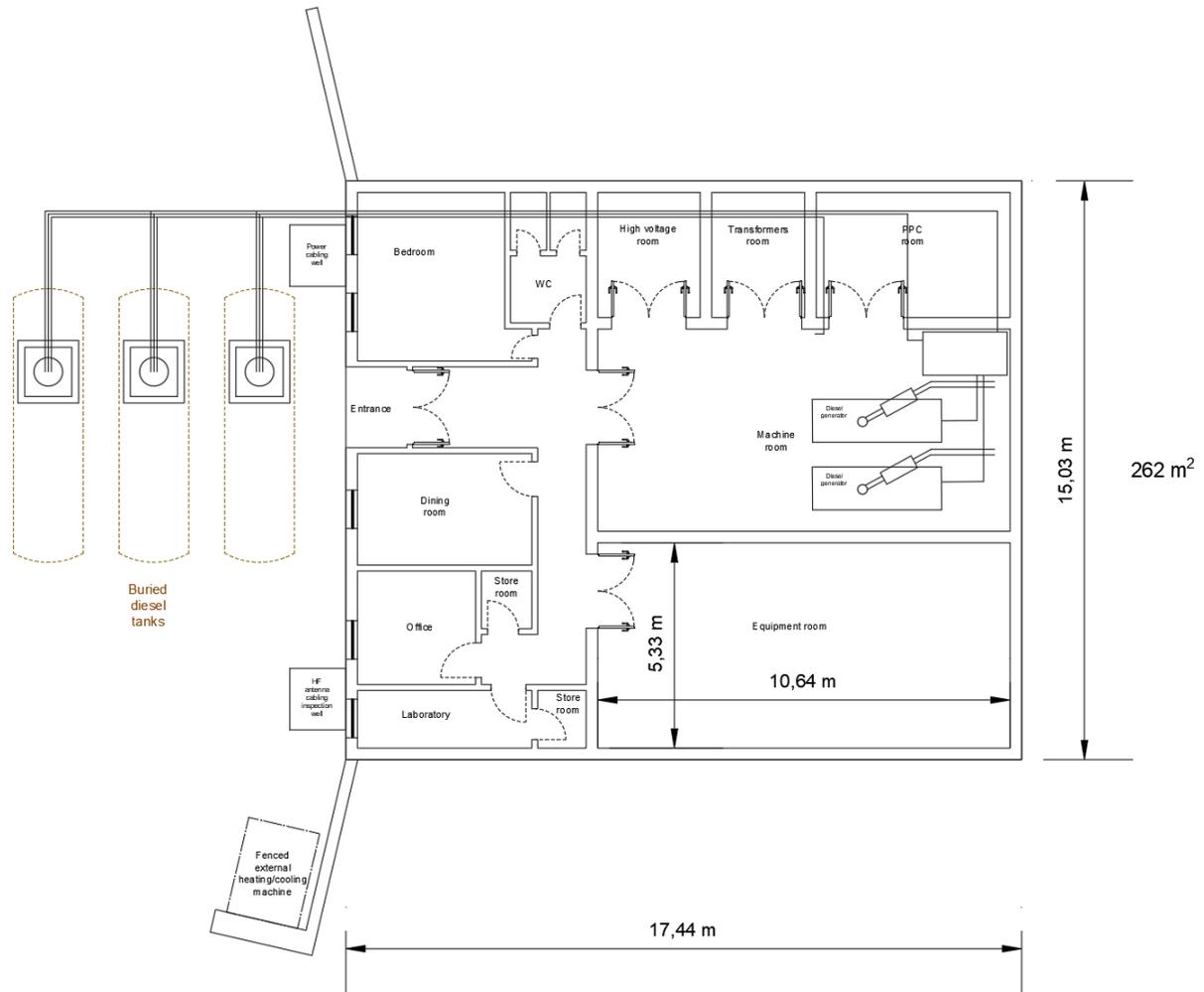
**4. Total distance between fuel tanks and power generators**

Answer: NCIA provided all information that was made available by THN GRC. If the distance between current fuel tanks and current power generators are not part of SIDP and/or Bidders Library, then this information is not readily available by THN GRC.

The Contractor is not obliged to install new fuel tanks in place of existing fuel tanks. It is the Contractor's responsibility to design completely new fuel tank installation and hence identify suitable location for new fuel tanks. Consequently, the Contractor shall design the distance between new fuel tanks and new power generators to meet the SOW requirements.

**5. Dimensions of the existing concrete base of HVAC outdoor unit**

Answer: The dimensions of the concrete base of HVAC outdoor unit are 5m (length) X 3,80m (width).

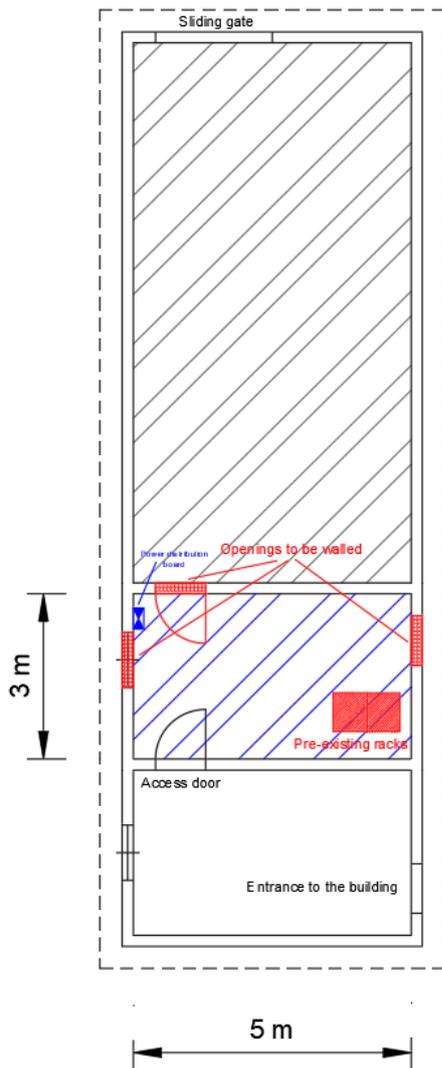


*Kartsinouli (Skyros island) – Pre-existing building layout*

**7<sup>th</sup> Air Force Radar Station - Skyros Length (m) Width (m) Height (m) Qty. (SSSB GR – Appendix 7)**

6. Dimensions of the SSSB equipment room

Answer: Dimensions of the equipment room 5 x 3 x 2.3 m.



Equipment room  
15 m<sup>2</sup>



7. Distance between site and the Disposal Area.

Answer: It is the Contractor's responsibility to do research and identify required disposal areas/ plants. The same applies to identification of for example locations of concrete and any other material suppliers, nearest suitable sea ports, airfields and other facilities to assure delivery of all material and equipment to all sites etc.

8. Total length of the fence to be built

Answer: The requirement is formulated in Appendix 7 in a descriptive way without stipulating a specific fence length. Supplementary information such as site layouts, maps, pictures etc. when available were already provided in the SIDP Annex and Bidders Library. The Contractor shall do analysis of the requirements as already stipulated, cross reference the requirements with SIDP and Bidders Library information, execute further research in open sources, use available software (for example Google Earth Pro) to make approximate measurements of distances in digital maps available in open sources. The above shall lead the Contractor to conclusion on what the fence length shall be to meet contractual requirements.

**9. Total length and width of the antenna access roads to be built 3**

Answer: The scope of Civil Works at the Site 7th Air Force Radar Station, Skyros Island (HF TX), GR does not include any antenna access roads. The Contractor only shall assure that it is able to reach every antenna location with its equipment, material and machinery as required. The requirement for these temporary roads (if needed) is formulated in SOW Annex I, section 27.5 Temporary Roads.

**10. Distance between site and the Disposal Area**

Answer: It is the Contractor's responsibility to do research and identify required disposal areas/ plants. The same applies to identification of for example locations of concrete and any other material suppliers, nearest suitable sea ports, airfields and other facilities to assure delivery of all material and equipment to all sites etc.

**Kythira Length (m) Width (m) Height (m) Qty. (SSSB GR – Appendix 2)****11. Total length of the fence to be built**

Answer: The requirement is formulated in Appendix 2 in a descriptive way without stipulating a specific fence length. Supplementary information such as site layouts, maps, pictures etc. when available were already provided in the SIDP Annex and Bidders Library. The Contractor shall do analysis of the requirements as already stipulated, cross reference the requirements with SIDP and Bidders Library information, execute further research in open sources, use available software (for example Google Earth Pro) to make approximate measurements of distances in digital maps available in open sources. The above shall lead the Contractor to conclusion on what the fence length shall be to meet contractual requirements.

**12. Total length of the antenna access roads to be built**

Answer: The requirement is formulated in Appendix 2 in a descriptive way without stipulating a specific antenna access road length. Supplementary information such as site layouts, maps, pictures etc. when available were already provided in the SIDP Annex and Bidders Library. The Contractor shall do analysis of the requirements as already stipulated, cross reference the requirements with SIDP and Bidders Library information, execute further research in open sources, use available software (for example Google Earth Pro) to make approximate measurements of distances in digital maps available in open sources. Ultimately, the Contractor designs antenna fields and identifies specific locations for each antenna. The above shall lead the Contractor to conclusion on what the antenna access road length shall be to meet contractual requirements.

**13. Dimensions of the fuel truck parking to be built**

Answer: It is the Contractor's responsibility to design the area for fuel truck in accordance with respective THN Law, regulations and standards that address minimum requirements for such facilities. The area shall be large enough to assure

convenient and safe refuelling from the fuel truck and its safe and convenient manoeuvring to reach and leave that refuelling position. All of that manoeuvring shall be possible with three-axis fuel truck (capacity around 20000 L) over paved surface that meets requirements stipulated in the SOW. Accessing or leaving the refuelling area by the fuel truck on reverse gear is acceptable.

This information is included in Amendment 3.

#### 14. Dimensions of the VAN parking to be built

Answer: It is the Contractor's responsibility to design the VAN parking area in accordance with respective THN Law, regulations and standards that address minimum requirements for such facilities. The area shall be large enough to assure convenient and safe parking of minimum three VANs (3.5T each) and their safe and convenient manoeuvring to reach and leave parking positions by a 3.5T VAN while any other two parking positions are already occupied by two 3.5T VANs. All of that manoeuvring shall be possible over paved surface that meets requirements stipulated in the SOW. Accessing or leaving the parking area by a VAN on reverse gear is acceptable.

This information is included in Amendment 3.

#### 15. Dimensions of the concrete base of power generators

Answer: NCIA provided all information that was made available by THN GRC. If the dimensions of the concrete base of current power generators are not part of the SIDP and/or Bidders Library, then this information is not readily available by THN GRC. The current power generators are for the needs of the naval base.

#### 16. Distance between site and the Disposal Area

Answer: It is the Contractor's responsibility to do research and identify required disposal areas/ plants. The same applies to identification of for example locations of concrete and any other material suppliers, nearest suitable sea ports, airfields and other facilities to assure delivery of all material and equipment to all sites etc.

#### **Sideros** Length (m) Width (m) Height (m) Qty. **(SSSB GR – Appendix 3)**

#### 17. Dimensions of the existing fuel tanks

Answer: There are three main cylindrical fuel tanks (20.000 lt). The dimensions of those are approx. 1,70m (length/height) X 4m (width/diameter).

#### 18. Dimensions of the existing power generator manholes and manhole covers

Answer: The dimensions of the existing power generators manholes are 0,90m X 0,90m . Dimensions of the manhole covers are 1,50m X 1,50m X 0,60m (height). (same as Tx site Kartsinoudi)

#### 19. Total distance between fuel tanks and power generators

Answer: NCIA provided all information that was made available by THN GRC. If the distance between current fuel tanks and current power generators are not part of the SIDP and/or Bidders Library, then this information is not readily available by THN GRC.

The Contractor is not obliged to install new fuel tanks in place of existing fuel tanks. It is the Contractor's responsibility to design completely new fuel tank installation and hence identify suitable location for new fuel tanks. Consequently, the Contractor shall design the distance between new fuel tanks and new power generators to meet the SOW requirements.

20. Dimensions of the existing concrete base of HVAC outdoor unit

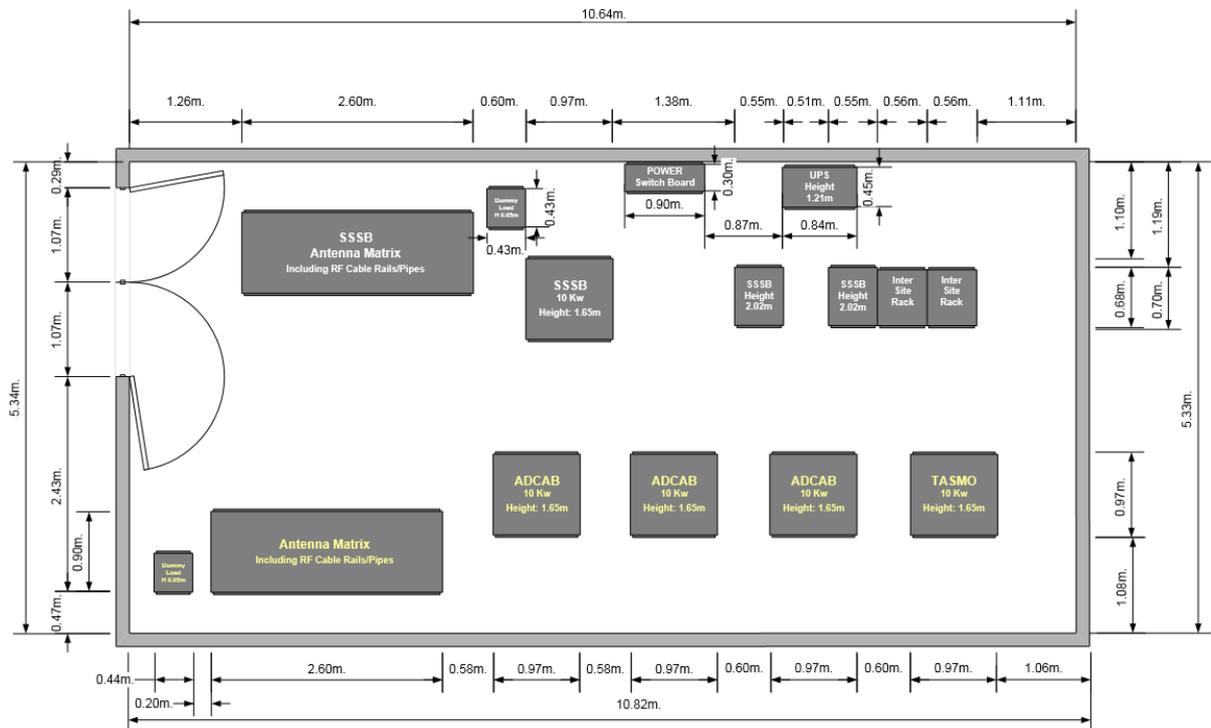
Answer: The dimensions of the concrete base of HVAC outdoor unit are 5m (length) X 3,80m (width) (same as Tx site Kartsinoudi).

21. Dimensions of the COMMS building

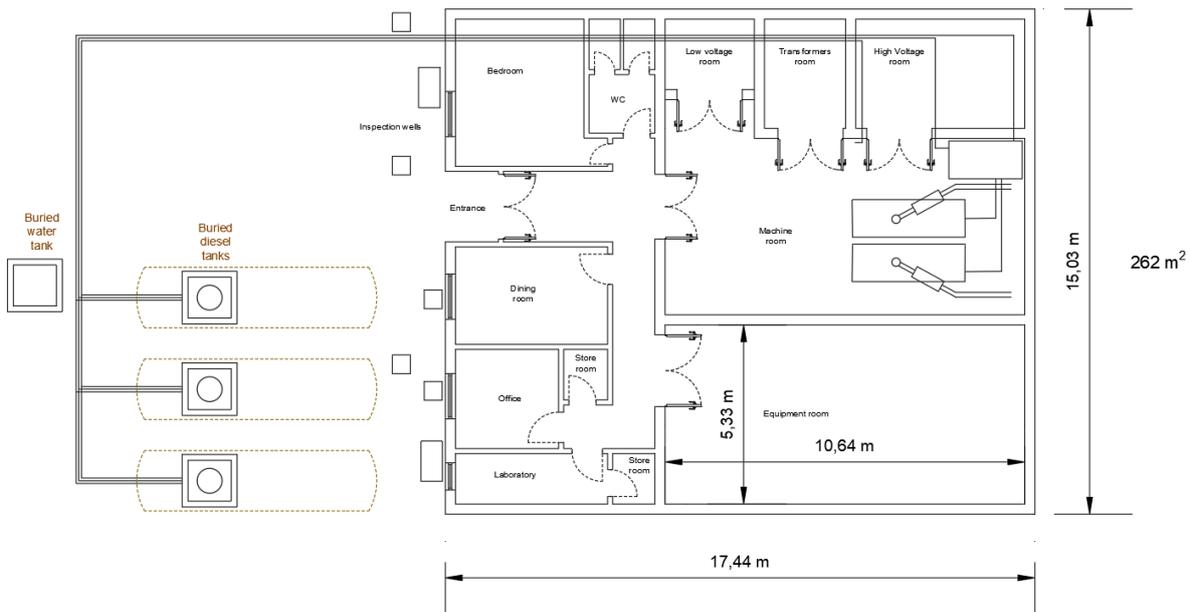
Answer: The dimensions of the COMMS building are approx. 17.70 m (length) X 14,80m (width) X 3.80 (height) (same as Tx site Kartsinoudi).

22. Dimensions of the SSSB equipment room

Answer: Dimensions are approx. 10.64 m (length) X 5,33 m (width) X 3.80 (height) (same as Tx site Kartsinoudi).



SSSB equipment room



*Sideros cape (Crete island) – Pre-existing building layout*

23. Dimensions of the COMMS building front façade

Answer: The dimensions of the COMMS building front façade are approx. 14,80m (length) X 3,80m (height) (same as Tx site Kartsinouidi).

24. Dimensions of the building main entrance door

Answer: The dimensions of the main entrance door are approx. 2.10 m (width) x 2,5 m (height).

25. Dimensions of the RF cabling manholes and manhole covers

Answer: The dimensions of the existing RF cabling manholes are approx. 0,30 m X 0,30 m.

26. Distance between site and the Disposal Area

Answer: It is the Contractor’s responsibility to do research and identify required disposal areas/ plants. The same applies to identification of for example locations of concrete and any other material suppliers, nearest suitable sea ports, airfields and other facilities to assure delivery of all material and equipment to all sites etc.

**Fiber Optic - Crete** Length (m) Width (m) Height (m) Qty. **(SSSB GR – Appendix 4)**

27. Total length of the trench to be excavated 0.1 x 0.5

Answer: The requirement is formulated in Appendix 4 in a descriptive way without stipulating a specific FO length. Supplementary information such as site layouts, maps, pictures etc. when available were already provided in the SIDP Annex and

Bidders Library. The Contractor shall do analysis of the requirements as already stipulated, cross referenced the requirements with SIDP and Bidders Library information, execute further research in open sources, use available software (for example Google Earth Pro) to make approximate measurements of distances in digital maps available in open sources. The precise starting point of the FO is also provided in Appendix 4. The above shall lead the Contractor to conclusion on what the FO length shall be to meet contractual requirements. Rough estimate is approximately 20 km. However, this value is indicative and shall be adapted by the Contractor depending on the terrain and location of required installation.

#### 28. Dimensions of the new manholes and manhole covers

Answer: It is the Contractor's responsibility to design, provide and install all material and equipment including manholes and manhole covers. Therefore, the Contractor shall provide manholes with their covers of adequate size for this type of installations and in compliance with THN Law and regulations. Further details are stipulate in Appendix 4.

#### 29. Distance between site and the Disposal Area

Answer: It is the Contractor's responsibility to do research and identify required disposal areas/ plants. The same applies to identification of for example locations of concrete and any other material suppliers, nearest suitable see ports, airfields and other facilities to assure delivery of all material and equipment to all sites etc.

#### **Mavros** Length (m) Width (m) Height (m) Qty. **(SSSB GR – Appendix 5)**

#### 30. Total length of the fence to be built

Answer: The requirement is formulated in Appendix 5 in a descriptive way without stipulating a specific fence length. Supplementary information such as site layouts, maps, pictures etc. when available were already provided in the SIDP Annex and Bidders Library. The Contractor shall do analysis of the requirements as already stipulated, cross reference the requirements with SIDP and Bidders Library information, execute further research in open sources, use available software (for example Google Earth Pro) to make approximate measurements of distances in digital maps available in open sources. The above shall lead the Contractor to conclusion on what the fence length shall be to meet contractual requirements.

#### 31. Dimensions of the existing fuel tanks

Answer: There is one main cylindrical fuel tank which is placed on a full concrete structure in 2m depth. Dimensions of this are approx.1,70m (length/height) X 4m (width/diameter).

#### 32. Dimensions of the existing power generator manholes and manhole covers

Answer: The dimensions of each power generator exhaust manhole are approx 0,70m X 0,70m.

**33. Total distance between fuel tanks and power generators**

Answer: NCIA provided all information that was made available by THN GRC. If the distance between current fuel tanks and current power generators are not part of the SIDP and/or Bidders Library, then this information is not readily available by THN GRC.

The Contractor is not obliged to install new fuel tanks in place of existing fuel tanks. It is the Contractor's responsibility to design completely new fuel tank installation and hence identify suitable location for new fuel tanks. Consequently, the Contractor shall design the distance between new fuel tanks and new power generators to meet the SOW requirements.

**34. Quantity and dimensions of the RF cabling manholes and manhole covers**

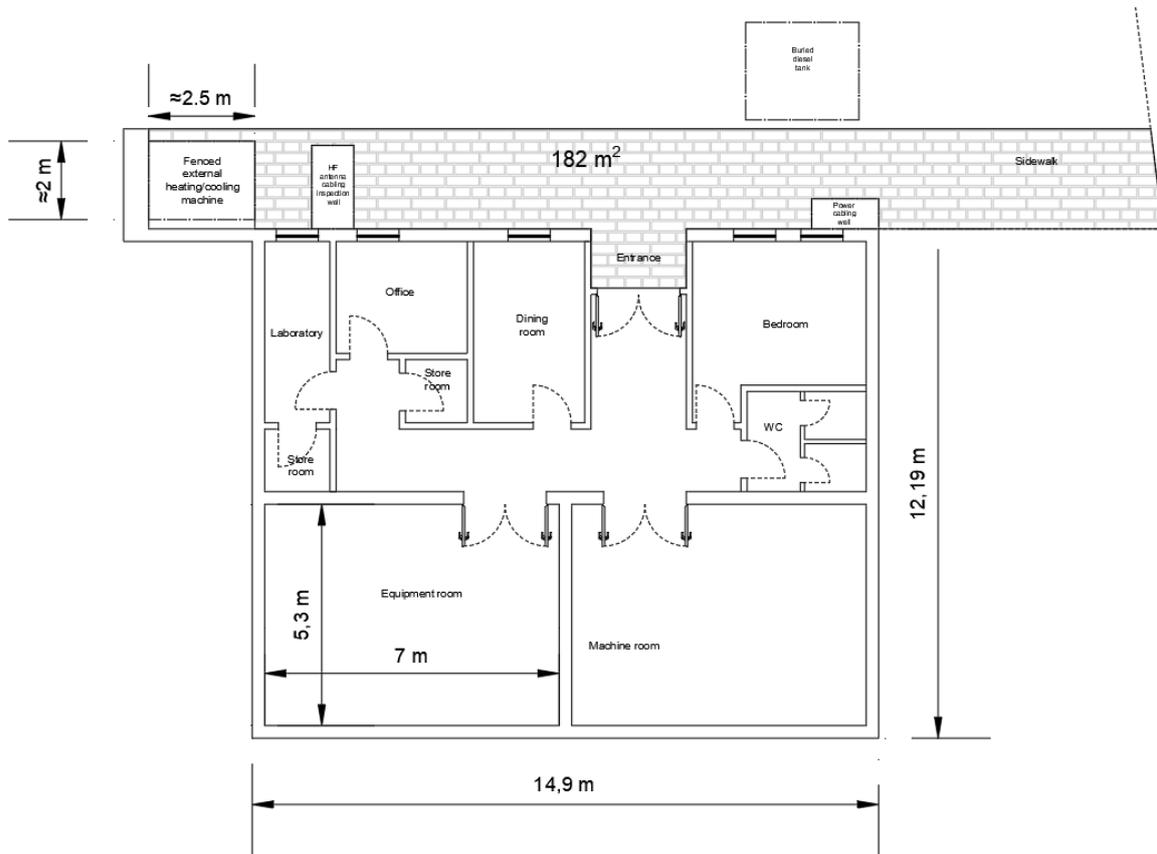
Answer: The dimensions of the existing RF cabling manholes are approx. 0,30 m X 0,30 m.

**35. Dimensions of the existing concrete base of HVAC outdoor unit**

Answer: The dimensions of the concrete base of HVAC outdoor unit are 3,35m (length) X 3,10m (width) (same as Rx Limnonary).

**36. Distance between site and the Disposal Area**

Answer: It is the Contractor's responsibility to do research and identify required disposal areas/ plants. The same applies to identification of for example locations of concrete and any other material suppliers, nearest suitable see ports, airfields and other facilities to assure delivery of all material and equipment to all sites etc.



*Mavros cape (Crete island) – Pre-existing building layout*

**Limnonari** Length (m) Width (m) Height (m) Qty. (SSSB GR – Appendix 6)

37. Total length of the fence to be built

Answer: The requirement is formulated in Appendix 6 in a descriptive way without stipulating a specific fence length. Supplementary information such as site layouts, maps, pictures etc. when available were already provided in the SIDP Annex and Bidders Library. The Contractor shall do analysis of the requirements as already stipulated, cross reference the requirements with SIDP and Bidders Library information, execute further research in open sources, use available software (for example Google Earth Pro) to make approximate measurements of distances in digital maps available in open sources. The above shall lead the Contractor to conclusion on what the fence length shall be to meet contractual requirements.

38. Dimensions of the existing fuel tanks

Answer: There is one metal fuel day tank in the machinery room with dimensions 1m (length/height) X 2m (width/diameter). Also there is one main cylindrical fuel tank 3m outside the building which is placed on a full concrete structure in 2m depth. Dimensions of this are approx. 1,70m (length/height) X 4m (width/diameter).

39. Dimensions of the existing power generator manholes and manhole covers

Answer: There is one exhaust manhole cover with screen and filter in front façade building for both power generators with dimensions 1,40m (length) X 0,70m (width).The dimensions of each power generator exhaust manhole are 0,70m X 0,70m.

40. Total distance between fuel tanks and power generators

Answer: NCIA provided all information that was made available by THN GRC. If the distance between current fuel tanks and current power generators are not part of the SIDP and/or Bidders Library, then this information is not readily available by THN GRC.

The Contractor is not obliged to install new fuel tanks in place of existing fuel tanks. It is the Contractor's responsibility to design completely new fuel tank installation and hence identify suitable location for new fuel tanks. Consequently, the Contractor shall design the distance between new fuel tanks and new power generators to meet the SOW requirements.

41. Dimensions of the RF cabling manholes and manhole covers

Answer: There is a cable tray inside the equipment room with dimensions 0,60m (length) X 0,40m (width) opposite to the transmitter centre where is one manhole in front façade outside of the building.

42. Dimensions of the existing concrete base of HVAC outdoor unit

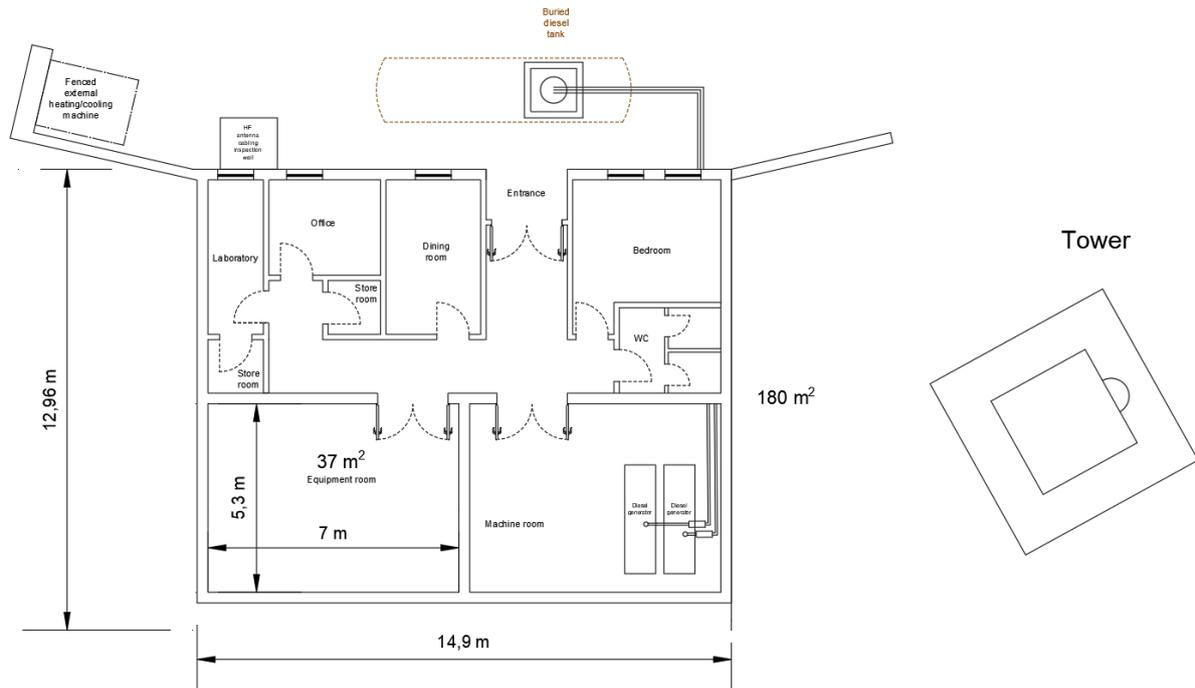
Answer: The dimensions of the concrete base of HVAC outdoor unit are 3,35m (length) X 3,10m (width).

43. Dimensions of the COMMS building roof

Answer: The dimensions of the COMMS building roof are approx. 14,9 m (length) X 13m (width).

44. Dimensions of the SSSB equipment room

Answer: The dimensions of the SSSB equipment room are 7m (length) X 5,5m (width).



*Limnonari - Pre-existing building layout*

45. Dimensions of the COMMS building front façade

Answer: The dimensions of the COMMS building front facade are 14m (length) X 6m (height).

46. Dimensions of the concrete base of power generators

Answer: There is no concrete base for the power generators. There is a metal base on the building floor for each power generator with dimensions 0,75m (length) X 2,25m (width).

47. Distance between site and the Disposal Area

Answer: It is the Contractor's responsibility to do research and identify required disposal areas/ plants. The same applies to identification of for example locations of concrete and any other material suppliers, nearest suitable sea ports, airfields and other facilities to assure delivery of all material and equipment to all sites etc.

48. Dimensions of the COMMS building

Answer: The dimensions of the COMMS building are 14m (length) X 13m (width). The height of the building is determined by suspended ceilings. Those are in dining room, bedroom, bathroom, office, storage room, hall and the height is approx. 3m. In the machinery, room and equipment room where there is no suspended ceilings the height is 6m.

49. Dimensions of the SSSB equipment room – This is repetition of questions already inserted above

50. Dimensions of the COMMS building front façade – This is repetition of questions already inserted above

51. Dimensions of the building main entrance door

Answer: The dimensions of the building main entrance doors are approx. 2,05m (length) X 2,50 m (height). There are two main entrance doors for each building (transmitter and receiver center). One is metal and the other is aluminum as a part of security level.

52. Quantity and dimensions of the RF cabling manholes and manhole covers – This is repetition of questions already inserted above

53. Dimensions of the concrete base of power generators – This is repetition of questions already inserted above

54. Distance between site and the Disposal Area – This is repetition of questions already inserted above

**7<sup>th</sup> Air Force Radar Station - Skyros** Length (m) Width (m) Height (m) Qty. – This is repetition of the site already addressed above

55. Dimensions of the SSSB equipment room – This is repetition of questions already inserted above

56. Distance between site and the Disposal Area – This is repetition of questions already inserted above

**Portreath** Length (m) Width (m) Height (m) Qty. **(SSSB UK – Appendix 1)**

57. Total length of the fence to be built

Answer: The requirement is formulated in Appendix 1 in a descriptive way without stipulating a specific fence length. Supplementary information such as site layouts, maps, pictures etc. when available were already provided in the SIDP Annex and Bidders Library. The Contractor shall do analysis of the requirements as already stipulated, cross reference the requirements with SIDP and Bidders Library information, execute further research in open sources, use available software (for example Google Earth Pro) to make approximate measurements of distances in digital maps available in open sources. The above shall lead the Contractor to conclusion on what the fence length shall be to meet contractual requirements.

58. Total length and width of the antenna access roads to be built

Answer: The requirement is formulated in Appendix 1 in a descriptive way without stipulating a specific antenna access road length. Supplementary information such as site layouts, maps, pictures etc. when available were already provided in the SIDP Annex and Bidders Library. The Contractor shall do analysis of the requirements as

already stipulated, cross reference the requirements with SIDP and Bidders Library information, execute further research in open sources, use available software (for example Google Earth Pro) to make approximate measurements of distances in digital maps available in open sources. Ultimately, the Contractor designs antenna fields and identifies specific locations for each antenna. The above shall lead the Contractor to conclusion on what the antenna access road length shall be to meet contractual requirements.

The width of antenna access road is defined in Appendix 1 for SSSB UK.

59. Distance between site and the Disposal Area

Answer: It is the Contractor's responsibility to do research and identify required disposal areas/ plants. The same applies to identification of for example locations of concrete and any other material suppliers, nearest suitable sea ports, airfields and other facilities to assure delivery of all material and equipment to all sites etc.

**Benbecula Length (m) Width (m) Height (m) Qty. (SSSB UK – Appendix 2)**

60. Total length of the fence to be built

Answer: The requirement is formulated in Appendix 2 in a descriptive way without stipulating a specific fence length. Supplementary information such as site layouts, maps, pictures etc. when available were already provided in the SIDP Annex and Bidders Library. The Contractor shall do analysis of the requirements as already stipulated, cross reference the requirements with SIDP and Bidders Library information, execute further research in open sources, use available software (for example Google Earth Pro) to make approximate measurements of distances in digital maps available in open sources. The above shall lead the Contractor to conclusion on what the fence length shall be to meet contractual requirements.

61. Total length and of the antenna access roads to be built

Answer: The requirement is formulated in Appendix 2 in a descriptive way without stipulating a specific antenna access road length. Supplementary information such as site layouts, maps, pictures etc. when available were already provided in the SIDP Annex and Bidders Library. The Contractor shall do analysis of the requirements as already stipulated, cross reference the requirements with SIDP and Bidders Library information, execute further research in open sources, use available software (for example Google Earth Pro) to make approximate measurements of distances in digital maps available in open sources. Ultimately, the Contractor designs antenna fields and identifies specific locations for each antenna. The above shall lead the Contractor to conclusion on what the antenna access road length shall be to meet contractual requirements.

62. Distance between site and the Disposal Area

Answer: It is the Contractor's responsibility to do research and identify required disposal areas/ plants. The same applies to identification of for example locations of concrete and any other material suppliers, nearest suitable sea ports, airfields and other facilities to assure delivery of all material and equipment to all sites etc.

**Saxa Vord** Length (m) Width (m) Height (m) Qty. (SSSB UK – Appendix 3)

63. Total length of the fence to be built

Answer: The requirement is formulated in Appendix 3 in a descriptive way without stipulating a specific fence length. Supplementary information such as site layouts, maps, pictures etc. when available were already provided in the SIDP Annex and Bidders Library. The Contractor shall do analysis of the requirements as already stipulated, cross reference the requirements with SIDP and Bidders Library information, execute further research in open sources, use available software (for example Google Earth Pro) to make approximate measurements of distances in digital maps available in open sources. The above shall lead the Contractor to conclusion on what the fence length shall be to meet contractual requirements.

64. Total length and of the antenna access roads to be built

Answer: The requirement is formulated in Appendix 3 in a descriptive way without stipulating a specific antenna access road length. Supplementary information such as site layouts, maps, pictures etc. when available were already provided in the SIDP Annex and Bidders Library. The Contractor shall do analysis of the requirements as already stipulated, cross reference the requirements with SIDP and Bidders Library information, execute further research in open sources, use available software (for example Google Earth Pro) to make approximate measurements of distances in digital maps available in open sources. Ultimately, the Contractor designs antenna fields and identifies specific locations for each antenna. The above shall lead the Contractor to conclusion on what the antenna access road length shall be to meet contractual requirements.

65. Distance between site and the Disposal Area

Answer: It is the Contractor's responsibility to do research and identify required disposal areas/ plants. The same applies to identification of for example locations of concrete and any other material suppliers, nearest suitable sea ports, airfields and other facilities to assure delivery of all material and equipment to all sites etc.

**Zeewolde** Length (m) Width (m) Height (m) Qty. (SSSB NL – Appendix 2)

66. Total length of the fence to be built

Answer: The requirement is formulated in Appendix 2 in a descriptive way without stipulating a specific fence length. Supplementary information such as site layouts, maps, pictures etc. when available were already provided in the SIDP Annex and

Bidders Library. The Contractor shall do analysis of the requirements as already stipulated, cross reference the requirements with SIDP and Bidders Library information, execute further research in open sources, use available software (for example Google Earth Pro) to make approximate measurements of distances in digital maps available in open sources. The above shall lead the Contractor to conclusion on what the fence length shall be to meet contractual requirements.

67. Distance between site and the Disposal Area

Answer: It is the Contractor's responsibility to do research and identify required disposal areas/ plants. The same applies to identification of for example locations of concrete and any other material suppliers, nearest suitable sea ports, airfields and other facilities to assure delivery of all material and equipment to all sites etc.

**Julianadorp** Length (m) Width (m) Height (m) Qty. **(SSSB NL – Appendix 4)**

68. Total length of the fence to be built

Answer: The requirement is formulated in Appendix 4 in a descriptive way without stipulating a specific fence length. Supplementary information such as site layouts, maps, pictures etc. when available were already provided in the SIDP Annex and Bidders Library. The Contractor shall do analysis of the requirements as already stipulated, cross reference the requirements with SIDP and Bidders Library information, execute further research in open sources, use available software (for example Google Earth Pro) to make approximate measurements of distances in digital maps available in open sources. The above shall lead the Contractor to conclusion on what the fence length shall be to meet contractual requirements.

69. Distance between site and the Disposal Area

Answer: It is the Contractor's responsibility to do research and identify required disposal areas/ plants. The same applies to identification of for example locations of concrete and any other material suppliers, nearest suitable sea ports, airfields and other facilities to assure delivery of all material and equipment to all sites etc.

## List of approved companies that worked on GRC's NAVY NATO projects in the last 10 years

Contact details					Classification according to experience works			
A/A	Name	Address	Phone Number (country code +30)	EMAIL	ΟΔΟΠΟΙΑ (road works)	ΟΙΚΟΔΟΜΙΚΑ (civil engineering)	ΗΛΕΚΤΡΟΜΗΧΑ ΝΟΛΟΓΙΚΑ (electromechani cal works)	ΒΙΟΜΗΧΑΝΙΚΑ (industrial works)- ΕΝΕΡΓΕΙΑΚΑ
1	D.STOURAITIS & Co LPC	Solomou 9, Chalandri 152 32 Athens	2106899636	dstouraitis@hotmail.com	2η	2η	2η	2η
2	LEONARDOS RIGAS TECHNIKI SA	Solomou 9, Chalandri 152 32 ATHENS	2106899635-7	Lrigas@tee.gr	4η	4η	4η	4η
3	DIMITRIOS PAPAKONSTANTINOU	Pandosias 46 Athens 111 42	2102923555,00	dpapa12@otenet.gr	1η	2η	2η	2η
4	MICHALOVITS ANDREAS	Pandosias 46 Athens 111 42	2102926100	amichalovits@yahoo.gr	A1	2η	2η	2η
5	TECHNOKAT S.A.	Charilaou Trikoupi 66-68, Athens 106 80	2103613502 / 2103627776	iptech@tee.gr	2η	2η	2η	A1
6	K.P. TECHNIKI S.A.	N. Florou 43 Athens 11524	2106984661,00	ekte_sa@tee.gr	4η	4η	4η	4η

A/A	COMPANY NAME	COMPANY ADDRESS		Issue Date of Approval	ΚΑΤΗΓΟΡΙΑ & ΤΑΞΗ ΕΡΓΩΝ (classification according to experience works)				
		TOWN	STREET NUMBER		ΟΔΟΠΟΙΑ (road works)	ΟΙΚΟΔΟΜΙΚΑ (civil engineering)	ΗΛΕΚΤΡΟΜΗΧΑΝΟ ΛΟΓΙΚΑ (electromechanical works)	ΒΙΟΜΗΧΑΝΙΚΑ (industrial works)- ΕΝΕΡΓΕΙΑΚΑ	ΗΛΕΚΤΡΟΝ. ΕΞΟΠΛΙΣΜΟΥ (Electronic Engineering works)
1	ΕΡΓΟΔΟΜΗ ΤΕΧΝΙΚΗ ΑΤΕ	ΛΑΡΙΣΑ	ΜΠΟΥΚΟΥΒΑΛΑ 6-10 ΤΚ 41222	23/9/2020	2η	3η	3η	1η	
2	ΤΕΧΝΟΚΑΤ Α.Τ.Ε.	ΑΘΗΝΑ	ΧΑΡ.ΤΡΙΚΟΥΠΗ 66-68 ΤΚ 10680	9/8/2019	2η	2η	1η	A1	
3	ΑΒΑΞ ΑΝΩΝΥΜΗ ΕΤΑΙΡΕΙΑ-ΕΡΓΟΛ.-ΤΟΥΡ.-ΕΜΠΟΡ.-ΒΙΟΜΗΧ.-ΟΙΚΟΔ.ΥΛΙΚΩΝ&ΜΗΧ/ΤΩΝ δ.τ ΑΒΑΞ Α.Ε.	ΜΑΡΟΥΣΙ - ΑΘΗΝΑ	ΑΜΑΡΟΥΣΙΟΥ ΧΑΛΑΝΔΡΙΟΥ 16, ΤΚ 15125	30 Δεκ 21	7η	7η	7η	7η	
4	ΤΑΛΩΣ Α.Τ.Ε.	ΚΡΗΤΗ - ΗΡΑΚΛΕΙΟ	ΜΑΥΡΑΝΤΩΝΑΚΗ 1 (ΠΡΩΗΝ ΕΙΛΕΙΘΥΙΑΣ) & Μ.ΛΟΪΖΟΥ ΤΚ 71409	13/9/2021	4η	4η	4η	3η	
5	Ε.Τ.Ε.Θ. ΜΟΝΟΠΡΟΣΩΠΗ Α.Ε.	ΘΕΣΣΑΛΟΝΙΚΗ	6ο χλμ ΘΕΣ/ΝΙΚΗΣ-ΘΕΡΜΗΣ	03 05 2018	6η	6η	6η	6η	
6	ΤΕΡΝΑ Α.Ε.	ΑΘΗΝΑ	Λ.ΜΕΣΟΓΕΙΩΝ 85	20/7/2021	7η	7η	7η	7η	
7	ΑΚΤΩΡ Α.Τ.Ε	ΑΘΗΝΑ-ΚΗΦΙΣΙΑ	ΕΡΜΟΥ 25 ΤΚ 14564	16/8/2021	7η	7η	7η	7η	
8	ΔΟΜΗΚΑ Α.Ε.	ΒΟΛΟΣ	ΘΕΣΠΙΔΟΣ 2 ΤΚ 38333	3/7/2017	1η	3η	3η	3η	
9	ΤΕΡΝΑ ΕΝΕΡΓΕΙΑΚΗ Α.Β.Ε.Τ.Ε.	ΑΘΗΝΑ	ΛΕΩΦ. ΜΕΣΟΓΕΙΩΝ 85	16/5/2017	6η	6η	6η	6η	
10	ΔΟΜΙΚΗ ΚΡΗΤΗΣ Α.Ε.	ΗΡΑΚΛΕΙΟ ΚΡΗΤΗΣ	ΚΟΡΩΝΑΙΟΥ 14 , Τκ: 71202	30/7/2021	6η	6η	6η	6η	
11	ΤΕΧΝΙΚΗ ΕΤΑΙΡΙΑ ΧΡΙΣΤΟΦΟΡΟΣ Δ. ΚΩΝΣΤΑΝΤΙΝΙΔΗΣ Α.Ε.	ΑΘΗΝΑ	ΓΕΡΜΑΝΙΚΗΣ ΣΧΟΛΗΣ ΑΘΗΝΩΝ (ΠΡΩΗΝ ΖΗΡΙΔΗ) 10 ΤΚ 15123 ΜΑΡΟΥΣΙ	30/10/2020	6η	6η	6η	6η	
12	ΤΕΚΑΤ Α.Τ.Ε.	ΑΘΗΝΑ	ΑΒΕΡΩΦ 11 ΤΚ 10433	23/6/2021	4η	4η	4η	4η	
13	ΕΡΤΕΚΑ Α.Ε.	ΑΘΗΝΑ	ΤΟΣΙΤΣΑ 13	3/7/2019	5η	5η	5η	5η	
14	Γ. ΤΣΑΛΑΠΟΡΤΑΣ ΑΤΕ δ.τ. ΑΚΤΙΣ ΑΤΕ	ΒΟΛΟΣ	ΘΡΑΚΩΝ 43 ΤΚ 38333	1/7/2019	3η	3η	3η	1η	
15	ΕΡΓΟΤΕΜ ΑΤΕΒΕ	ΜΑΝΔΡΑ ΑΤΤΙΚΗΣ	ΘΕΣΗ ΓΙΑΚΟΥΜΗ Τ.Θ. 30 ΤΚ 19600	6/9/2021	5η	5η	5η	5η	
16	ΕΡΓΟΤΕΜ ΑΤΕΒΕ	ΜΑΝΔΡΑ ΑΤΤΙΚΗΣ	ΘΕΣΗ ΓΙΑΚΟΥΜΗ Τ.Θ. 30 ΤΚ 19600	29 Μαΐ 2019	5η	5η	5η	5η	
17	ΒΑΣΚΟ ΑΤΕ	ΑΘΗΝΑ- Π. ΦΑΛΗΡΟ	ΠΕΝΤΕΛΗΣ 27	28/1/2019	5η	5η	5η	5η	
18	ΑΝΑΠΛΑΣΕΩΝ Α.Τ.Ε.	ΛΑΡΙΣΑ	ΡΟΪΔΟΥ 18 ΤΚ 41222	2-Μαρ-22	3η	3η	3η	3η	
19	ΠΡΑΞΙΣ ΤΕΧΝΙΚΗ Ε.Ε. δ.τ. PRAXIS Ε.Ε.	ΘΕΣΣΑΛΟΝΙΚΗ	ΚΡΩΜΝΗΣ 49 , Τκ:55131	11/2/2020	2η	2η	2η	A1	
20	ΑΤΤΙΚΗ ΔΙΟΔΟΣ ΑΤΕ	ΑΘΗΝΑ-ΚΗΦΙΣΙΑ	Ν ΚΗΦΙΣΙΑ ΑΜΑΛΙΑΔΟΣ 4 ΤΚ 14564	7/6/2021	4η	4η	4η	3η	
21	ΤΕΚ ΘΕΣ/ΝΙΚΗΣ Α.Ε.	ΘΕΣΣΑΛΟΝΙΚΗ	ΚΕΦΑΛΛΗΝΙΑΣ 2 & 26ης ΟΚΤΩΒΡΙΟΥ ΤΚ 54627	22 Μαΐ 18	5η	5η	5η	5η	

22	ΔΟΜΟΚΑΤ ΑΤΕΕ	ΑΘΗΝΑ -ΓΕΡΑΚΑΣ	ΛΡΩΦ. ΣΠΑΤΩΝ 34-36	24/4/2018	5η	5η	5η	5η	
23	ΕΡΓΟΝΟΜΙΑ Α.Τ.Ε.	ΑΘΗΝΑ	ΑΝΤΗΝΟΡΟΣ 29	17/12/2018	4η	4η	4η	4η	
24	ΠΑΠΑΚΩΝΣΤΑΝΤΙΝΟΥ ΔΗΜΗΤΡΙΟΣ του ΓΕΩΡΓΙΟΥ	ΑΘΗΝΑ	ΠΑΝΔΟΣΙΑΣ 46 Τκ: 11142	13/3/2020	1η	2η	2η	2η	
25	ΤΕΔΡΑ ΑΝΩΝΥΜΟΣ ΤΕΧΝΙΚΗ ΠΕΡΙΒΑΛΛΟΝΤΙΚΗ ΕΤΑΙΡΕΙΑ με δ.τ.<<TEDRA>>	ΛΑΡΙΣΑ	ΑΛ. ΠΑΠΑΝΑΣΤΑΣΙΟΥ 23 ΤΚ 41222	7 Φεβ 22	5η	5η	5η	3η	1η
26	SSA ΑΕ	ΧΑΛΑΝΔΡΙ - ΑΘΗΝΑ	ΕΘΝ. ΑΝΤΙΣΤΑΣΕΩΣ 84, ΤΚ 15231	03 Μαΐου 2018			2η	1η	1η
27	ΕΚΜΕ Α.Ε	ΘΕΣΣΑΛΟΝΙΚΗ	ΣΟΦΙΑΣ ΒΕΜΠΟ 6 ΤΚ 57008	21/3/2018	3η	4η	5η	5η	
28	ΔΥΝΑΜΙΚΗ ΕΡΓΩΝ ΑΕ	ΘΕΣΣΑΛΟΝΙΚΗ	8ο χλμ ΝΕΟ Θεσ/νίκης - Αθηνων , ΣΙΝΔΟΣ ΤΚ 57022 τθ 1304	7/10/2019	4η	4η	4η	4η	1η
29	ΚΑΠΠΑ ΤΕΧΝΙΚΗ ΚΑΤΑΣΚΕΥΑΣΤΙΚΗ ΕΜΠΟΡΙΚΗ Α.Ε	ΑΘΗΝΑ	ΛΕΝΟΡΜΑΝ 106 ΤΚ 10444	3/7/2017	4η	4η	4η	4η	
30	ΤΕΚΑ Α.Ε.	ΑΘΗΝΑ	ΦΙΛΙΠΠΙΔΗ 7 ΤΚ 11524	13/4/2021	5η	5η	5η	5η	
31	ΜΤ ΑΤΕ	ΑΘΗΝΑ	Λ. ΑΛΕΞΑΝΔΡΑΣ 15-17 Τκ:11473	16/9/2019	4η	4η	4η	4η	2η
32	ΤΟΞΟ Α.Ε.Τ.Ε.	ΧΑΝΙΑ	ΒΡΥΣΩΝ 70 ΤΚ 73133	17/4/2019	4η	3η	3η	3η	
33	ΛΕΟΝΑΡΔΟΣ ΡΗΓΑΣ ΤΕΧΝΙΚΗ Α.Ε.	ΧΑΛΑΝΔΡΙ - ΑΘΗΝΑ	ΣΟΛΩΜΟΥ 9 ΤΚ 15232	13/4/2021	4η	4η	4η	4η	
34	ΠΑΛΜΟΣ Α.Τ.Ε.	Ν. ΨΥΧΙΚΟ - ΑΘΗΝΑ	ΑΓΓ. ΣΙΚΕΛΙΑΝΟΥ 22	20/6/2018	4η	4η	4η	4η	
35	ΜΙΧΑΗΛ Μ. ΤΣΟΝΤΟΣ Α.Ε.	ΚΡΗΤΗ-ΧΑΝΙΑ	ΕΦΕΔΡΩΝ ΠΟΛΕΜΙΣΤΩΝ 1 ΤΚ 73135	8/6/2021	4η	4η	4η	4η	
36	ΒΕΡΜΙΟΝ Α.Τ.Ε.Ε.	ΛΑΡΙΣΑ	ΕΡΥΘΡΟΥ ΣΤΑΥΡΟΥ 1-3	1/2/2018	5η	5η	5η	5η	
37	ΑΦΟΙ ΡΗΓΑ Α.Τ.Ε.	ΙΛΙΟΝ - ΑΘΗΝΑ	ΔΙΟΝΥΣΙΟΥ 48 ΤΚ 13122	19/3/2018	2η	2η	1η	1η	
38	ΔΟΜΙΚΗ ΞΑΝΘΗΣ Α.Ε.	ΞΑΝΘΗ	ΒΕΝΙΖΕΛΟΥ 72-76 ΤΚ 67100	4/9/2017	4η	4η	4η	4η	
39	ΑΚΩΝ -ΚΟΡΥΜΒΟΣ ΑΝΩΝΥΜΗ ΤΕΧΝΙΚΗ ΕΤΑΙΡΕΙΑ δ.τ ΑΚΩΝ-ΚΟΡΥΜΒΟΣ Α.Ε.	ΜΑΡΟΥΣΙ - ΑΘΗΝΑ	ΧΩΜΑΤΙΑΝΟΥ 3 ΤΚ 15123	30/3/2021	4η	4η	4η	3η	
40	ΑΡΧΙΚΟΝ ΑΕ ΤΕΧΝΙΚΗ ΕΤΑΙΡΙΑ	ΑΘΗΝΑ	ΣΕΜΠΤΕΛΟΥ 9	31/3/2020	6η	6η	6η	6η	
41	ΣΧΣ Α.Τ.Ε.Ε.	ΑΘΗΝΑ ΧΑΛΑΝΔΡΙ	ΚΑΛΥΨΟΥΣ 8 Τκ:15238	7/10/2019	6η	6η	6η	6η	
42	ΡΙΣΤΟΡ ΚΑΤΑΣ. ΤΕΧΝ. ΕΜΠ. ΤΟΥΡ. ΑΝΑΠ. ΞΕΝ. ΣΥΜΒ. Α.Ε. δ.τ. RESTORE Α.Τ.Ε.	ΑΘΗΝΑ	ΓΟΥΝΑΡΗ 325 ΤΚ 16674	27/3/2018	2η	3η	3η	2η	
43	ΑΕΝΑΟΣ ΤΕΧΝΙΚΗ ΑΕ	ΛΑΡΙΣΑ	ΑΛ. ΠΑΠΑΝΑΣΤΑΣΙΟΥ 84Β'	8/4/2020	3η	3η	3η	1η	
44	ΥΡΙΑ ΤΕΧΝΙΚΗ ΑΕ	ΑΘΗΝΑ	ΘΕΤΙΔΟΣ 6	27/2/2018	4η	4η	3η	3η	
45	ΩΡΙΩΝ Α.Τ.Ε.	ΑΘΗΝΑ	ΛΑΜΨΑ 1 ΤΚ 11524	14/12/2021	4η	4η	4η	4η	
46	Κ.Π. ΤΕΧΝΙΚΗ Α.Ε.	ΑΘΗΝΑ	Ν. ΦΛΩΡΟΥ 43 ΤΚ 11524	11/6/2020	4η	4η	4η	4η	
47	ΒΛΑΧΑΣ Π.-Σ. ΑΤΕ	ΑΝΑΤΟΛΗ ΙΩΑΝΝΙΝΩΝ	ΑΡΕΘΑ 5 - ΑΝΑΤΟΛΗ - Τκ:45222	8/7/2020	1η	3η	3η	2η	

48	ΕΡΓΟΔΟΜΙΚΗ ΒΟΙΩΤΙΑΣ ΑΒΕΤΕ	ΘΗΒΑ	ΑΜΦΙΩΝΟΣ 40 32200	29/8/2018	4η	4η	2η	3η	
49	3Κ ΤΕΧΝΙΚΗ Α.Ε.	ΑΘΗΝΑ	ΑΓ. ΛΑΥΡΑΣ 86 Τκ11141	30/10/2019	4η	4η	4η	4η	
50	ΤΕΜΚΟ ΑΤΕ	Π. ΦΑΛΗΡΟ -ΑΘΗΝΑ	ΠΕΝΤΕΛΗΣ 27	31/1/2019	4η	4η	3η	4η	
51	ΖΙΤΑΚΑΤ ΑΤΕΒΕ	ΣΑΛΑΜΙΝΑ	Λ.ΣΑΛΑΜΙΝΟΣ & ΑΙΑΝΤΕΙΟΥ 0 ΤΚ 18900	9/6/2021	4η	4η	4η	3η	2η
53	ΤΕΚΑΛ ΑΕ	ΑΘΗΝΑ- ΒΟΥΛΑ	ΜΥΚΟΝΟΥ 1	24/6/2021	6η	6η	6η	6η	
54	ΠΡΩΤΕΥΣ Α.Τ.Ε.Ε.	ΠΕΙΡΑΙΑΣ	ΓΡ.ΛΑΜΠΡΑΚΗ 17, 18533	7/6/2018	4η	4η	4η	4η	
55	ΑΛΚΩΝ ΑΤΕ	ΑΛΕΞΑΝΔΡΟΥΠΟΛΗ	Κ. ΠΑΛΛΙΟΛΟΓΟΥ 37 68100	27/2/2018	2η	2η	2η	2η	
56	ΤΕΜΑΚΟ ΑΕ	ΑΘΗΝΑ	ΜΟΡΑΒΑ 1-3 ΗΛΙΟΥΠΟΛΗ	13/4/2021	1η	3η	3η	1η	
57	ΕΡΓΟΡΟΗ Α.Τ.Ε.	ΑΘΗΝΑ	ΠΑΤΗΣΙΩΝ 67 ΤΚ 10434	3/7/2019	5η	5η	5η	3η	
58	ΙΡΙΔΑΝΟΣ ΑΤΕ	ΚΡΗΤΗ- ΧΑΝΙΑ	ΚΝΩΣΣΟΥ 39Α	31/8/2017	3η	3η	1η	2η	
59	ΛΑΤΟΜΙΚΗ Α.Τ.Ε	ΗΡΑΚΛΕΙΟ	ΒΙ.ΠΕ ΗΡΑΚΛΕΙΟΥ Ο' , Τκ: 71601	7/10/2019	6η	6η	6η	6η	
60	P&C DEVELOPMENT S.A	ΑΘΗΝΑ	ΒΑΣ. ΣΟΦΙΑΣ 90	5/10/2021	6η	6η	5η	5η	
61	INTRAKAT ΑΝΩΝΥΜΗ ΕΤΑΙΡΕΙΑ ΤΕΧΝΙΚΩΝ ΚΑΙ ΕΝΕΡΓΕΙΑΚΩΝ ΕΡΓΩΝ δ.τ. INTRAKAT	ΑΤΤΙΚΗ	19ο ΧΛΜ ΛΕΩΦ.ΠΑΙΑΝΙΑΣ - ΜΑΡΚΟΠΟΥΛΟΥ	16 Φεβ 22	7η	7η	7η	7η	
62	ΦΕΙΔΙΑΣ Α.Τ.Ε.	ΙΩΑΝΝΙΝΑ	ΣΟΦΟΥΛΗ &ΚΑΖΑΝΤΖΑΚΗ 30	9/8/2017	3η	3η	3η	2η	
63	Β.ΚΟΝΔΥΛΗΣ ΚΑΙ ΣΙΑ Ε.Ε. (δ.τ. ΦΑΙΑΞ ΚΑΤΑΣΚΕΥΕΣ Ε.Ε.)	ΑΘΗΝΑ	ΑΙΓΙΝΗΣ 9 11362	24/4/2018	1η	1η	1η	1η	
64	ΛΙΜΕΝΙΚΗ Α.Ε.	ΗΡΑΚΛΕΙΟ ΚΡΗΤΗΣ	ΒΙ.ΠΕ. ΗΡΑΚΛΕΙΟΥ ΟΔΟΣ Ο' ΤΚ 71601	7/10/2019	3η	3η	2η	3η	
65	ΙΜΙΑ ΤΕΧΝΙΚΗ ΑΝΩΝΥΜΟΣ ΕΤΑΙΡΕΙΑ δ.τ. Ε-ΜΙΑ ΤΕΧΝΙΚΗ ΑΕ ((ΑΦΟΙ ΚΡΟΥΣΚΟΥ & ΣΙΑ Ο.Ε. (δ.τ. 3Κ ΚΑΤΑΣΚΕΥΑΣΤΙΚΗ Ο.Ε.)))	ΑΘΗΝΑ	ΑΓ. ΛΑΥΡΑΣ 86, 11141	16/9/2020	3η	3η	2η	1η	
66	ΚΥΡΙΤΣΗΣ Ν. ΓΕΩΡΓΙΟΣ & ΣΙΑ Ε.Ε.	ΑΘΗΝΑ	ΜΙΧΑΛΑΚΟΠΟΥΛΟΥ 117, 11527	8/7/2020	2η	2η	2η	1η	
67	Δ. ΣΤΟΥΡΑΪΤΗΣ & ΣΙΑ ΕΕ	ΧΑΛΑΝΔΡΙ – ΑΘΗΝΑ	ΣΟΛΩΜΟΥ 9 - Τκ 15232	31/12/2019	2η	2η	2η	2η	
68	NEW MILLENIUM CONSTRUCTIONS Α.Ε.	ΑΘΗΝΑ	ΒΛΑΧΟΠΟΥΛΟΥ 1, ΤΚ 11471	13/11/2018	3η	3η	3η	3η	
69	ΑΠΟΣΤΟΛΑΚΗΣ Α.Ε.	ΛΑΡΙΣΑ	ΓΑΡΙΒΑΛΔΗ 12	15/3/2018	2η	2η	2η	1η	
70	ΔΙΑΤΟΝΟΣ Α.Τ.Ε.	ΑΘΗΝΑ	ΠΑΤΗΣΙΩΝ 67 ΤΚ 10434	3/7/2019	3η	3η	3η	3η	
71	TRITON ACT Α.Ε.	ΠΑΙΑΝΙΑ ΑΤΤΙΚΗΣ	ΠΑΛΑΙΟΠΑΝΑΓΙΑΣ 2 ΤΚ 19002	3/11/2021	4η	4η	4η	3η	1η
72	ΜΙΧΑΛΟΒΙΤΣ Δ. ΑΝΔΡΕΑΣ	ΑΘΗΝΑ	ΠΑΝΔΟΣΙΑΣ 46 ΤΚ 11142	4/10/2017	Α1	2η	2η	2η	
73	ΣΑΡΑΚΑΤΣΑΝΟΣ Α.Τ.Ε.Ε.	ΙΩΑΝΝΙΝΑ	ΝΕΟΦΥΤΟΥ ΔΟΥΚΑ 52	5/4/2018	3η	3η	3η	2η	
74	ΙΟΝΙΟΣ ΤΕΧΝΙΚΗ Α.Ε.	ΛΕΥΚΑΔΑ	ΚΑΡΑΒΕΛΑ & ΓΑΖΗ 15 Τκ: 31100	5/10/2021	4η	4η	4η	2η	

75	ΓΕΩΡΓΘΜΙΚΗ Α.Τ.Ε.	ΑΘΗΝΑ-ΑΓ.ΔΗΜΗΤΡΙΟΣ	ΑΓ.ΔΗΜΗΤΡΙΟΥ 170 ΤΚ 17341	25/7/2019	3η	3η	3η	2η	1η
76	ΡΟΜΒΟΣ Α.Ε.	ΗΡΑΚΛΕΙΟ ΚΡΗΤΗΣ	ΛΕΥΘΕΡΑΙΟΥ 8 ΤΚ 71305	19/3/2018	5η	5η	5η	4η	
77	ΔΗΜΗΤΡΕΙΟΣ Α.Ε.	ΞΑΝΘΗ	ΗΡΩΩΝ 9 ΤΚ 67133	23/6/2021	3η	3η	3η	1η	
78	ΔΟΜΙΚΟ ΣΥΓΚΡΟΤΗΜΑ ΕΡΓΩΝ & ΚΑΤΑΣΚΕΥΩΝ (ΔΟ.Σ.Ε.Κ.) Α.Τ.Ε.	ΠΑΤΡΑ	ΜΙΑΟΥΛΗ 12 ΤΚ 26222	03 μαιου 2017	3η	3η	3η	3η	
79	ΒΑΛΤΕΣΙΝΙΚΟ Α.Τ.Ε.ΞΕ.Β.Ε.	ΧΑΛΑΝΔΡΙ - ΑΘΗΝΑ	ΑΧΙΛΛΕΩΣ 4 ΤΚ 15231	17 Μαιου 2018	3η	3η	3η	3η	
80	ΕΡΓΟΣΥΝ ΑΝΩΝΥΜΟΣ ΤΕΧΝΙΚΗ ΟΙΚΟΔΟΜΙΚΗ ΚΤΗΜΑΤΙΚΗ ΤΟΥΡΙΣΤΙΚΗ & ΕΜΟΡΙΚΗ ΕΤΑΙΡΕΙΑ δ.τ. ΕΡΓΟΣΥΝ Α.Τ.Ε.	ΑΘΗΝΑ	ΒΛΑΧΟΓΙΑΝΝΗ 9 ΤΚ 11525	14/1/2021	4η	4η	4η	4η	1η
81	ΔΡΥΣ Α.Τ.Ε.Ε.	ΑΘΗΝΑ ΜΟΣΧΑΤΟ	ΘΕΣ/ΝΙΚΗΣ 13 ΤΚ 18346	12-Ιουλ-18		2η	2η	1η	
82	Τ.Η.Κ. Α.Κ.Τ.Ε. δ.τ. ΤΗΚ Α.Ε.	Ν. ΙΚΟΝΙΟ- ΠΕΡΑΜΑ	ΗΡ.ΠΟΛΥΤΕΧΝΕΙΟΥ 2 & ΝΙΚΗΣ ΤΚ 18863	29/3/2018	4η	4η	4η	4η	
83	Β.Κ.Μ. WORKS Α.Ε.	ΑΘΗΝΑ	ΑΝΑΓΝΩΣΤΟΠΟΥΛΟΥ 41, 10673	13/11/2020	4η	4η	3η	2η	
84	ΟΙΚΙΣΤΗΣ Α.Ε.	ΑΘΗΝΑ-ΗΛΙΟΥΠΟΛΗ	ΟΡΦΕΩΣ 21 ΤΚ 16346	03 ΜΑΙΟΥ 2018	2η	2η	2η	2η	
85	ΕΞΑΕΔΡΟ Α.Ε.	ΑΘΗΝΑ	ΚΛΥΜΕΝΗΣ 8,ΒΑΡΚΙΖΑ ΤΚ 16672	30/10/2020	2η	2η	2η	1η	
86	Α.ΚΑΡΡΑΣ Α.Ε.	ΣΑΜΟΣ	ΓΥΜΝ. ΚΑΤΕΒΑΙΝΗ 46, Τκ 83100	23/7/2019	3η	3η	3η	1η	
87	Α.Τ.Ε.Σ.Ε. Α.Ε.	ΑΘΗΝΑ	ΣΟΡΒΟΛΟΥ 2 ΤΚ 11636	8/6/2021	5η	5η	5η	5η	
88	ΑΡΧΙΤΡΟΝ ΤΕΧΝΙΚΗ ΑΝΩΝΥΜΗ ΕΤΑΙΡΕΙΑ δ.τ. ΑΡΧΙΤΡΟΝ Α.Τ.Ε. (Αλλαγή επωνυμίας από ΜΠΕΡΤΟΔΟΥΛΟΣ ΑΤΕ -(17/10/2018)	ΑΘΗΝΑ	ΜΑΡΚΟΥ ΜΠΟΤΣΑΡΗ 55 & ΚΑΛΛΙΡΟΗΣ 11743	17/10/2018	3η	3η	3η	3η	
89	ΙΡΕΛ ΣΥΣΤΗΜΑΤΑ ΔΙΑΝΟΜΗΣ ΗΛΕΚΤΡΙΚΗΣ ΕΝΕΡΓΕΙΑΣ Α.Ε.Τ.Ε.	ΑΘΗΝΑ- Π. ΦΑΛΗΡΟ	ΙΑΣΩΝΟΣ 14	4/10/2018	Α1	1η	1η	1η	
90	ΠΑΝΤΕΧΝΙΚΗ ΜΕΣΣΗΝΙΑΣ (Δ.ΜΟΥΤΣΩΚΟΣ ΚΑΙ ΣΥΝΕΡΓΑΤΕΣ Ε.Ε.)	ΚΑΛΑΜΑΤΑ	ΔΑΜΟΦΩΝΤΟΣ 19Α Τκ24100	14/1/2021	1η	1η	1η	1η	
91	ΕΤΑΙΡΕΙΑ ΔΟΜ. ΚΑΤΑΣΚ/ΩΝ-ΤΕΧΝ.ΤΟΥΡΙΣΤ. ΞΕΝΟΔ. & ΕΜΠΟΡ. ΑΝ.ΕΤΑΙΡ. δ.τ. ΕΔΟΚ Α.Ε.	ΚΡΗΤΗ-ΧΑΝΙΑ	ΚΝΩΣΟΥ 39Α & ΗΣΥΧΑΚΗ , Τκ73134	30/10/2020	3η	3η	3η	1η	
92	ΑΞΙΟΝ ΤΕΧΝΙΚΗ Α.Ε.	ΕΔΕΣΣΑ	ΡΩΜΑΝΟΥ 9	29/8/2018	4η	4η	3η	3η	
93	ΚΩΝ/ΝΟΣ ΙΩΑΝΝΙΔΗΣ & ΣΙΑ ΕΤΕ	ΒΕΡΟΙΑ	ΣΤΑΔΙΟΥ 47 ΤΚ 59100	13/4/2021	Α1	3η	3η	1η	
94	ΜΕΝΤΩΡ ΑΤΕ	ΑΘΗΝΑ	ΝΥΜΦΑΙΟΥ 4	17/3/2021	2η	2η	2η	2η	
95	ΑΒΡΑΝΑΣ ΤΕΧΝΙΚΗ ΑΝΩΝΥΜΗ ΕΤΑΙΡΕΙΑ	ΛΑΡΙΣΑ	ΔΙΟΝΥΣΟΥ 39	30/7/2021	3η	3η	3η	1η	
96	ΤΡΙΕΔΡΟΣ Α.Τ.Ε.	ΘΕΣΣΑΛΟΝΙΚΗ	ΒΙΘΥΝΙΑΣ 12 Τκ:55132	21/6/2019	3η	3η	2η	1η	
97	ΜΑΛΛΙΟΝΤΑ Α.Τ.Ε.	ΜΑΡΟΥΣΙ ΑΤΤΙΚΗΣ	ΗΡΟΔΟΤΟΥ 33 ΤΚ 15122	30/7/2021	4η	4η	4η	4η	1η
98	ΚΑΝΤΙΑ ΤΕΧΝΙΚΗ ΑΕ	ΗΡΑΚΛΕΙΟ ΚΡΗΤΗΣ	ΙΤΑΝΟΥ 30 ΤΚ 71307	15/2/2019	4η	4η	4η	1η	
99	ΚΟΤΡΩΝΗΣ ΒΑΣΙΛΕΙΟΣ του ΧΡΗΣΤΟΥ	ΚΗΦΙΣΙΑ	ΠΑΡΝΗΘΟΣ 1 ΚΗΦΙΣΙΑ Τ.Κ.14564	30 05 2017	1η	2η	2η	2η	
100	ΚΥΡΙΑΚΑΚΗΣ ΧΡΗΣΤΟΣ & ΣΙΑ Ε.Ε.	ΑΤΤΙΚΗ-ΡΟΔΟΠΟΛΗ	ΡΟΔΩΝ 6	21/1/2020	2η	2η	2η	1η	

101	Π.ΝΙΚΟΛΟΠΟΥΛΟΣ Ε.Ε.	ΑΘΗΝΑ-ΧΑΛΑΝΔΡΙ	ΥΔΡΑΣ 43 ΤΚ 15232	23/9/2020	2η	2η	2η	2η	
102	ΒΙΕΜΚΑ Α.Ε.	ΑΘΗΝΑ	ΘΡΑΚΗΣ 10.ΑΓ. ΠΑΡΑΣΚΕΥΗ 15341	8/7/2020	Α1	2η	2η	2η	
103	Ν. & Σ. ΓΕΩΡΓΑΚΟΠΟΥΛΟΣ & ΣΙΑ Ε.Ε.	ΓΛΥΦΑΔΑ	ΕΠΑΜΕΙΝΩΝΔΑ 7 ΤΚ 16674	23/9/2020	1η	2η	2η	1η	
104	ΥΔΑΤΑ ΟΕΚΤΕ	ΧΑΝΙΑ	6ο ΧΙΛ. Ν.Ε.Ο. ΧΑΝΙΩΝ ΡΕΘΥΜΝΟΥ	23/7/2019	1η	2η	2η	2η	
105	ΑΝΤΩΝΗΣ ΡΟΥΣΣΟΣ ΑΡΤΕΚΑ ΤΕΧΝΙΚΗ Ο.Ε.	ΑΘΗΝΑ	ΦΙΛΙΠΠΙΔΗ ΜΑΡΚ 7 ΤΚ 11524	21/5/2021	2η	2η	2η	2η	
106	ΤΕΧΝΙΚΗ ΕΡΓΩΝ Α.Ε.	ΑΘΗΝΑ	ΚΥΨΕΛΗΣ 56 ΤΚ 11362	13/7/2021	5η	5η	4η	3η	
107	ΕΠΑΚΡΟΝ ΤΕΧΝΙΚΗ Α.Ε. *(Αλλαγή από ΕΕ σε ΑΕ)	ΑΘΗΝΑ Ν. ΣΜΥΡΝΗ	ΠΙΤΤΑΚΗ 9 ΤΚ 17122	7/6/2018	1η	2η	2η	2η	
108	HELLAS EDIL S.A.	ΘΕΣΣΑΛΟΝΙΚΗ	ΛΑΡΙΣΗΣ 8 Τ.Κ 54249	18/2/2021	4η	5η	5η	3η	
109	AS build ΑΝΩΝΥΜΗ ΤΕΧΝΙΚΗ ΕΤΑΙΡΕΙΑ (δ.τ.. AS build ΑΤΕ)	ΘΕΣ/ΝΙΚΗ	ΒΑΣ. ΓΕΩΡΓΙΟΥ 37 ΤΚ 54640	9/8/2019	4η	4η	3η	2η	
110	ΣΤΟΧΟΣ ΤΕΧΝΙΚΗ Ε.Π.Ε.	ΧΑΝΙΑ	ΒΡΥΣΩΝ 70 ΤΚ 73133	19/3/2018	1η	1η	1η	1η	
111	ΓΕΩΓΕΝΕΣΙΣ Α.Ε. ΑΝΩΝ.ΤΕΧ.ΤΟΥΡ.ΕΜΠ. & ΒΙΟΜ.ΕΤΑΙΡ. δ.τ. GEOGENESIS Α.Ε.	ΧΟΛΑΡΓΟΣ - ΑΘΗΝΑ	ΘΕΣΣΑΛΟΝΙΚΗΣ 16 ΤΚ15562	4/3/2022	4η	4η	4η	4η	
112	ΑΝΤΩΝΙΟΣ ΓΕΩΡΓΙΟΥ ΑΣΚΟΥΝΗΣ ΑΤΕΒΕ δ.τ. ΤΕΧΝΙΚΗ ΕΤΑΙΡΙΑ ΠΑΤΡΩΝ	ΠΑΤΡΑ	ΡΗΓΑ ΦΕΡΑΙΟΥ 178-180	6/9/2021	3η	3η	3η	1η	
113	ΝΟΒΑCΟ CΟNSTRUCTION ΠΑΓΓΕΙΟΣ Θ ΚΑΙ ΣΙΑ ΑΤΕΕ	ΑΘΗΝΑ	ΠΛΑΠΟΥΤΑ 28 ΤΚ 11473	30/7/2021	2η	2η	2η	2η	
114	ΣΤΕΛΜΑ ΑΝΩΝΥΜΗ ΤΕΧΝΙΚΗ ΕΤΑΙΡΙΑ δ.τ. ΣΤΕΛΜΑ Α.Τ.Ε.	ΘΕΣΣΑΛΟΝΙΚΗ	ΠΟΛΥΤΕΧΝΕΙΟΥ 21 ΤΚ54626	23/9/2020	1η	2η	2η	2η	
115	Κ.ΑΔΑΜΙΔΗΣ – ΒΡ.ΣΤΕΦΑΣ Ο.Ε.	ΓΛΥΦΑΔΑ ΑΘΗΝΑ	ΓΟΥΝΑΡΗ 25 ΤΚ 16562	19/3/2018	2η	2η	2η	2η	
116	ΤΕΧΝΙΚΗ ΕΤΑΙΡΙΑ ΜΕΛΕΤΩΝ ΚΑΙ ΚΑΤΑΣΚΕΥΩΝ ΔΙΑΛΕΤΗ Ε.Π.Ε.	ΧΟΛΑΡΓΟΣ ΑΤΤΙΚΗΣ	ΑΕΤΙΔΕΩΝ 4	29 Μαΐ 2019	2η	2η	2η	2η	
117	LM CONSTRUCTION ΑΚΤΕ	ΑΘΗΝΑ	ΗΛΙΔΟΣ 9 ΤΚ 11526	8/4/2020	3η	3η	3η	1η	
118	ΜΑΡΔΑΣ Β. - ΣΥΝΟΔΙΝΟΣ Ν. - ΚΑΤΟΣΤΑΡΑΣ Η. Ο.Ε. ( δ.τ. MSKAT Civil Works )	ΑΘΗΝΑ	Λ.ΑΛΕΞΑΝΔΡΑΣ 34 ΤΚ 11473	11/12/2020	2η	2η	2η	2η	
119	ΚΥΡΑΝΗ ΒΙΟΛΕΤΑ ΘΕΟΦΑΝΗ	ΑΘΗΝΑ - Ν ΚΟΣΜΟΣ	ΑΝΤ.ΟΙΚΟΝΟΜΟΥ 5 Τκ11745	8/7/2020	1η	1η	1η	1η	
120	ΕΥΔΟΞΟΣ ΤΕΧΝΙΚΗ ΙΚΕ	ΑΘΗΝΑ ΒΡΙΑΝΣΣΙΑ	Λ.ΠΕΝΤΕΛΗΣ 39Α & ΕΚΤΟΡΟΣ Τκ:15235	7/6/2021	2η	2η	2η	2η	
121	ΑΠΕΛΛΑ ΑΝΩΝΥΜΗ ΤΕΧΝΙΚΗ ΚΑΤΑΣΚΕΥΑΣΤΙΚΗ ΕΤΑΙΡΕΙΑ	ΑΘΗΝΑ	Λ. ΑΛΕΞΑΝΔΡΑΣ 7 Τκ:11473	17 Μαΐου 2018	3η	3η	3η	2η	
122	ΑΦΟΙ Κ.ΑΣΗΜΑΚΟΠΟΥΛΟΙ ΤΕΧΝΙΚΗ ΚΑΤΑΣΚΕΥΑΣΤΙΚΗ ΑΝΩΝΥΜΟΣ ΕΤΑΙΡΕΙΑ (abcd Α.Ε.)	ΠΑΤΡΑ	ΚΟΡΙΝΘΟΥ 230 - Τκ: 26221	20/6/2018	1η	1η	1η	1η	
123	ΚΑΠΠΑ ΜΟΝΟΠΡΟΣΩΠΗ ΕΠΕ	ΧΑΝΙΑ	ΚΝΩΣΣΟΥ 41 Τκ:73134	8/7/2020	2η	2η	1η	1η	
124	ΔΕΡΜΕΝΤΖΟΓΛΟΥ ΑΝΩΝΥΜΗ ΤΕΧΝΙΚΗ ΕΤΑΙΡΕΙΑ	ΧΡΥΣΟΥΠΟΛΗ	ΒΕΡΓΙΝΑΣ 1 , ΤΚ: 64200	7/6/2021	3η	3η	3η	1η	
125	ΠΑΠΑΖΟΓΛΟΥ ΑΛΕΞΑΝΔΡΟΣ -ΤΣΙΤΣΙΓΑΝΗ ΣΟΦΙΑ Ο.Ε. δ.τ. ΔΙΟΛΚΟΣ Ο.Ε.	ΘΕΣΣΑΛΟΝΙΚΗ	ΟΔΥΣΣΕΩΣ 7 , Τκ:54629	2/11/2021	2η	2η	2η	1η	
126	ΓΑΜΑ ΣΙΓΜΑ ΚΑΤΑΣΚΕΥΑΣΤΙΚΗ Α.Τ.Ε.	ΗΡΑΚΛΕΙΟ ΚΡΗΤΗΣ	ΚΑΤΕΧΑΚΗ 17 ΤΚ:71201	8/7/2019	3η	3η	3η	3η	
127	ΙΣΟΔΟΜΗ Ε.Ε.	ΘΕΣΣΑΛΟΝΙΚΗ	ΙΠΠΟΔΡΟΜΙΟΥ 80-82 Τκ: 54351	13/10/2020	2η	2η	2η	2η	A1

128	ΕΛΤΕΡΓΑ Α.Ε.	ΝΕΑ ΙΩΝΙΑ - ΑΘΗΝΑ	ΚΩΝΣΤΑΝΤΙΝΟΥΠΟΛΕΩΣ 26 ΤΚ 14234	14/1/2021	5η	5η	5η	5η	
129	VAST-MAKE I.K.E.	ΡΟΔΟΣ	ΚΑΝΑΔΑ 73 , Τκ:85131	11/4/2017	2η	2η	1η	1η	
130	ΗΡΩΝ ΑΗ ΑΝΑΝΕΩΣΙΜΕΣ ΕΠΕ	ΙΛΙΟΝ ΑΤΤΙΚΗΣ	Λ. ΑΝΡΕΑ ΠΑΠΑΝΔΡΕΟΥ 166 , Τκ:13122	16 Μαιου 2017	2η	2η	2η	2η	
131	ΚΟΤΡΩΝΗΣ ΒΑΣΙΛΕΙΟΣ ΚΑΙ ΣΙΑ Ε.Ε.	ΚΗΦΙΣΙΑ	ΠΑΡΝΗΘΟΣ 1 ΚΗΦΙΣΙΑ Τ.Κ.14564	30 Μαιου 2017	2η	2η	1η	2η	
132	ΕΡΓΑ ΠΕΣΣΟΣ ΑΝΩΝΥΜΗ ΤΕΧΝΙΚΗ ΕΤΑΙΡΕΙΑ	ΑΓΙΑ ΠΑΡΑΣΚΕΥΗ ΑΤΤΙΚΗΣ	Λ.ΜΕΣΟΓΕΙΩΝ 340 , Τκ:15341	30 Μαιου 2017	1η	2η	2η	1η	
133	ΑΡΧΙΜΗΔΗΣ ΑΝΩΝΥΜΗ ΤΕΧΝΙΚΗ ΕΤΑΙΡΕΙΑ	ΝΕΟ ΗΡΑΚΛΕΙΟ ΑΤΤΙΚΗΣ	ΚΥΜΗΣ 155 , Τκ: 14121	3 Ιουλ 17	5η	5η	5η	5η	
134	ΕΥΕΔΡΟΝ Α.Ε.	ΧΑΛΑΝΔΡΙ ΑΤΤΙΚΗΣ	ΡΟΔΟΔΑΦΝΗΣ 11 , Τκ:15233	3 Ιουλ 17	2η	2η	2η	1η	
135	ΤΕΜΕΡ Α.Ε.	ΗΡΑΚΛΕΙΟ	Σ' ΒΙ.ΠΕ. ΗΡΑΚΛΕΙΟΥ Τκ: 71601	13 Ιουν 18	3η	3η	3η	3η	
136	ΜΕΤΑΛΛΙΝΟΣ ΑΘΑΝΑΣΙΟΣ του ΝΙΚΟΛΑΟΥ	ΘΕΣΣΑΛΟΝΙΚΗ	Π.ΤΡΑΪΑΝΟΥ 23 Τκ:18292	19 Ιουλ 18	1η	2η	1η	1η	
137	ΘΑΛΗΣ ΠΕΡΙΒΑΛΛΟΝΤΙΚΕΣ ΥΠΗΡΕΣΙΕΣ Α.Ε.	ΑΘΗΝΑ	ΑΓΓΕΛΟΥ ΠΥΡΡΗ 7 Τκ:11527	24 Σεπ 20	5η	5η	5η	5η	1η
138	ΝΑFCONSTRUCTION ΤΕΧΝΙΚΗ ΕΜΠΟΡΙΚΗ ΤΟΥΡΙΣΤΙΚΗ ΙΔΙΩΤΙΚΗ ΚΕΦΑΛΑΙΟΥΧΙΚΗ ΕΤΑΙΡΕΙΑ	ΖΩΓΡΑΦΟΥ ΑΤΤΙΚΗ	ΑΡΒΗΛΩΝ 4, Τκ:15771	21 Ιαν 19	1η	2η	A1	1η	
139	INTERCON ΚΑΤΑΣΚΕΥΑΣΤΙΚΗ ΙΚΕ	ΠΕΙΡΑΙΑΣ	ΔΕΡΒΕΝΑΚΙΩΝ 22 . ΤΚ:18545	17 Απρ 19	1η	1η	1η	A1	
140	ΗΡΩΝ ΚΑΤΑΣΚΕΥΑΣΤΙΚΗ Α.Ε.	ΑΓΙΑ ΠΑΡΑΣΚΕΥΗ ΑΤΤΙΚΗΣ	ΓΡΑΒΙΑΣ 17 , Τκ:15342	27 Μαί 2019	2η	2η	2η	2η	
141	Pdl Α.Ε.-ΠΑΠΑΘΑΝΑΣΙΟΥ-ΛΙΑΚΟΣ-ΛΕΦΑΝΤΖΗΣ ΚΤΗΜΑΤΙΚΗ,ΒΙΟΜΗΧΑΝΙΚΗ,ΕΜΠΟΡΙΚΗ,ΤΟΥΡΙΣΤΙΚΗ ΑΝΩΝΥΜΗ ΤΕΧΝΙΚΗ ΕΤ.	ΑΘΗΝΑ ΜΑΡΟΥΣΙ	ΔΗΜΗΤΡΙΟΥ ΓΟΥΝΑΡΗ 89 , Τκ:15125	10 Ιουλ 19	2η	2η	2η	2η	
142	Α. & Π. ΛΑΜΠΡΗΣ Ο.Ε.	ΙΩΑΝΝΙΝΑ	ΘΑΡΥΠΑ 8 , Τκ:45221	27/12/2019	2η	2η	2η	1η	
143	ΔΑΙΔΑΛΟΣ ΑΤΕΒΕ	ΙΩΑΝΝΙΝΑ	ΕΛΕΝΗΣ ΖΩΓΡΑΦΟΥ 30 , Τκ:45332	31/12/2019	3η	3η	3η	3η	A1
144	Χ.ΑΡΓΥΡΙΟΥ & ΥΙΟΣ Ι.Κ.Ε	ΜΑΝΔΡΑ ΑΤΤΙΚΗΣ	ΑΓ.ΑΙΚΑΤΕΡΙΝΗΣ 32 ΤΚ 19600	17/3/2021	2η	2η	2η	2η	
145	ΑrCHON ENERGY GRID ΑΕ	ΘΕΣΣΑΛΟΝΙΚΗ - ΛΑΓΚΑΔΑΣ	ΔΗΜΟΤΙΚΟ ΔΙΑΜΕΡΙΣΜΑ ΑΣΣΗΡΟΥ	7/6/2021	2η	2η	1η	2η	
146	GDM ASSETS ΑΝΩΝΥΜΗ ΕΤΑΙΡΕΙΑ δ.τ GDM ASSETS	ΝΕΑ ΧΑΛΚΗΔΟΝΑ	ΚΡΥΣΤΑΛΛΗ 23 ΤΚ 14353	01/02/22	2η	2η	1η	1η	
147	ΔΟΜΟΤΕΚΑ Α.Ε	ΑΘΗΝΑ - ΒΟΥΛΑ	ΜΥΚΟΝΟΥ 1 ΤΚ 16673	16/3/2022	3η	3η	2η	3η	

**ATTACHMENT E**  
**Amended IFB documents**

- Bidding Instructions -
- Bidding Sheets -
- Contract Special Provisions -
- Statement of Work, including Annexes A, C, D, F, G, and I -

**INVITATION FOR BID**

**IFB-CO-15577-SSSB-AMD3**

**SHIP-SHORE-SHIP BUFFER (SSSB)**

**REORGANISATION OF SHIP-SHORE-SHIP BUFFER CAPABILITY  
INCLUDING ASSOCIATED COMMUNICATIONS SYSTEMS**

**Project Serial No.:**

**2015/OCM03072 - 02, 03 & 05**



**BOOK I**

**INSTRUCTIONS TO BIDDERS**



**TABLE OF CONTENTS**

<b>SECTION 1.</b>	<b>INTRODUCTION</b>	<b>4</b>
1.1.	Purpose	4
1.2.	Scope	4
1.3.	Overview of the Prospective Contract	5
1.4.	Governing Rules, Eligibility, and Exclusion Provisions	5
1.5.	Security	5
1.6.	Bidders' Library - Release of Reference Documentation and Materials	6
1.7.	Bidders Conference	78
<b>SECTION 2.</b>	<b>GENERAL BIDDING INFORMATION</b>	<b>79</b>
2.1.	Definitions	79
2.2.	Eligibility and Origin of Equipment and Services	80
2.3.	Bid Delivery and Bid Closing	80
2.4.	Late Bids	80
2.5.	Requests for Extension of Bid Closing Date	81
2.6.	Purchaser's Point of Contact	81
2.7.	Request for IFB Clarifications	82
2.8.	Requests for Waivers and Deviations	83
2.9.	Amendment of the Invitation for Bid	83
2.10.	Modification and Withdrawal of Bids	84
2.11.	Bid Validity	84
2.12.	Bid Guarantee	85
2.13.	Cancellation of Invitation for Bid	87
2.14.	Electronic Transmission of Information and Data	87
2.15.	Supplemental Agreements and Export Controlled Information	87
2.16.	Notice to Bidders of Contract Distribution and Disclosure of Information	88
<b>SECTION 3.</b>	<b>BID PREPARATION INSTRUCTIONS</b>	<b>89</b>
3.1.	General	89
3.2.	Bid Package Content and Marking	89
3.3.	Volume 1 – Bid Administration Package	91
3.4.	Volume 2 - Price Quotation	92
3.5.	Volume 3 - Technical Proposal Package	93
<b>SECTION 4.</b>	<b>BID EVALUATION AND CONTRACT AWARD</b>	<b>109</b>
4.1.	General	109
4.2.	Administrative Criteria	110
4.3.	Price Criteria	110
4.4.	Price Realism	112
4.5.	Technical Criteria	114
<b>Annex A.</b>	<b>Cover Letter Bidding Sheets</b>	<b>1</b>
<b>Annex B.</b>	<b>Prescribed Administrative Forms and Certificates</b>	<b>1</b>
<b>Annex C.</b>	<b>Bid Guarantee - Standby Letter of Credit</b>	<b>1</b>
<b>Annex D.</b>	<b>IFB-CO-15577-SSSB Non-Disclosure Undertaking</b>	<b>1</b>
<b>Annex E.</b>	<b>Clarification Requests Form</b>	<b>1</b>
<b>Annex F.</b>	<b>IFB-CO-15577-SSSB CV Template</b>	<b>1</b>
<b>Annex G.</b>	<b>Cross Reference - Traceability Matrix</b>	<b>1</b>

**Annex H. List of Acceptable Banks to Issue Bid Guarantees**

## SECTION 1. INTRODUCTION

### 1.1. Purpose

- 1.1.1. The purpose of this Invitation for Bid (IFB) is to provide products and services in support of the Reorganisation Of Ship-Shore-Ship Buffer Capability, including Associated Communications Systems.
- 1.1.2. The SSSB is a real time digital link buffer system supporting the exchange of tactical information between the NATO Air Defence Ground Environment (NADGE) system, Airborne Early Warning (AEW) systems and Naval Forces by the use of NATO data Link 1, 11, 11B and Link 22. The current SSSB equipment is old and suffers from repeated failures. There is a need to reorganize and recover full functionality of existing SSSB communication systems due to the obsolescence of presently installed radio systems and intra-sites communications and to prepare the floor for the migration to Link 22 and the relevant modernization driving requirements.

### 1.2. Scope

- 1.2.1. The current authorisation and consequently any Contract resulting from this Invitation for Bid (IFB) shall address **solely** Project 2015/OCM03072-02,03&05.
- 1.2.2. Purpose of the project: The project will replace and modernize existing SSSB obsolete radio and control equipment in The United Kingdom (three sites), Greece (six sites) and The Netherlands (four sites).
- 1.2.3. The scope of the project is to procure Radio Communications Subsystem and Data Link Communication Upgrade, and includes Site Preparation and Civil Works.
  - 1.2.3.1. Procurement of Radio Communications Subsystem and Data Link Communication Upgrade is mainly related to replacement of HF transmitters and receivers with new solid-state equipment. Replacement of UHF amplifier's with new equipment supporting the SATURN standard. Replacement of HF and UHF antennas, supply and installation of new time of day cabling, wiring, connectors and all necessary adaptation to the buildings in terms of penetration and lightning protection system.
  - 1.2.3.2. Site Preparation and Civil Works are mainly related to antenna site preparation, building refurbishment and provision of new buildings to host radio equipment.

**1.3. Overview of the Prospective Contract**

- 1.3.1. The Prospective Contract (Book II) requires the selected Contractor to deliver the scope of the Project described above as a subject of the overall SSSB capability. This will be achieved within the framework of the Contract resulting from this IFB by the means of performance of Contract requirements further defined in the Statement of Work (SOW).

**1.4. Governing Rules, Eligibility, and Exclusion Provisions**

- 1.4.1. This solicitation is an International Invitation for Bid and is issued in accordance with the procedures for International Competitive Bidding set forth in the NATO document AC/4-D/2261 (1996 Edition). Pursuant to these procedures, bidding is restricted to companies from participating NATO Member Nations for which a Declaration of Eligibility has been issued by their respective government authorities.
- 1.4.2. Lowest Priced, Technically Compliant Evaluation
- 1.4.2.1. The evaluation method to be used in the selection of the successful Bidder under this solicitation will follow the Lowest Priced, Technically Compliant Procedures set forth AC/4-D/2261-ADD2 (1996 Edition), and AC/4-D(2008)0002-REV1 dated 27 April 2009.
- 1.4.2.2. The bid evaluation criteria and the detailed evaluation procedures are described in SECTION 4.
- 1.4.3. This Invitation for Bid will not be the subject of a public Bid opening.
- 1.4.4. The Bidder shall refer to the Purchaser all queries for resolution of any conflicts found in information contained in this document in accordance with the procedures set forth in paragraph 2.7 Request for IFB Clarifications.

**1.5. Security**

- 1.5.1. This Invitation for Bid has been classified as NATO UNCLASSIFIED, except for part of the Bidders' Library that is marked NATO RESTRICTED.
- 1.5.2. Bidders are advised that Contract signature will not be delayed in order to allow the processing of security clearances for personnel or facilities and, should the otherwise successful Bidder not be in a position to accept the offered Contract within a reasonable period of time, due to the fact that its personnel or facilities do not possess the appropriate security clearance(s), the Purchaser may determine the Bidder's Offer to be non-compliant and offer the Contract to the next ranking Bidder. In such a

case, the Bidder who would not sign the Contract may be liable for forfeiture of the Bid Guarantee

**1.6. Bidders' Library - Release of Reference Documentation and Materials**

- 1.6.1. To support the establishment of the bid, the Bidders are hereby provided with a list of documents described in Table 1 below. In addition, for better understanding of the scope and local site conditions, photographs and videos filed in the available CD/DVD shall be reviewed and taken into consideration by the Bidders when formulating their bid offers.
- 1.6.2. Upon request, the CD/DVD "Bidders Library" can be provided to Bidders who have responded with positive intent to bid and returned the signed Certificate in Annex D IFB-CO-15577-SSSB Non-Dislosure Undertaking document. This CD/DVD contains the portion of the documents marked "Yes" in column "F" of the table below as of Serial 2.351, displayed with the references of column C (i.e. the document names on the CD/DVD match the references in column C).
- 1.6.3. The remaining documents are either available publicly or can be requested through the respective National Delegations, as marked in column "F".
- 1.6.4. The documents labelled "Yes" in column "E" are listed in the SOW.

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
1	<b>Technical, System Design and Engineering Documentation</b>				
1.1	Tactical Data Exchange - Link 11/11B - ATDLP-5.11 Edition B	STANAG 5511	NU	Yes	Publicly Available
1.2	Tactical Data Exchange - Link 16 - ATDLP-5.16 Edition B	STANAG 5516	NU	Yes	Publicly Available
1.3	Tactical Data Link - Link 22 - ATDLP-5.22 Edition B	STANAG 5522	NU	Yes	Publicly Available
1.4	Standards for Interface of Data Links 1,11 and 11B through a Buffer - ATDLP-6.01	STANAG 5601	NU	Yes	Publicly Available
1.5	NATO Zoning Procedures	SDIP-28/1 (Dec 2009)	NR	Yes	Please obtain through your National Delegation
1.6	Selection and Installation of Equipment for the Processing of Classified Information	SDIP-29/2 (Mar 2015)	NR	Yes	Please obtain through your National Delegation
1.7	Environmental testing and associated Allied Environmental Conditions Test Publications (AECTP)	STANAG 4370	NU	Yes	Publicly Available
1.8	The Human Engineering Test and Evaluation Procedures for systems, equipment and facilities	STANAG 7201	NU	Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
1.9	Method of specifying electrical power supplies: standard types of electrical power	STANAG 4133	NR	Yes	Please obtain through your National Delegation
1.10	Electrical installations of buildings, Protection for safety, Protection against electric shock	IEC-60364, Part 4, Chapter 41		Yes	Publicly Available
1.11	Tests on electric and optical fibre cables under fire conditions	IEC 60332:2020 SER		Yes	Publicly Available
1.12	Test on gases evolved during combustion of materials from cables	IEC 60754 series		Yes	Publicly Available
1.13	Electric cables - Halogen-free, low smoke, thermoplastic insulated and sheathed cables of rated voltages up to and including 450/750 V	IEC 62821 series		Yes	Publicly Available
1.14	Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials	ASTM E662-21		Yes	Publicly Available
1.15	Standard of Workmanship	MIL-STD-454		Yes	Publicly Available
1.16	Human Engineering - Consoles/Work Positions	MIL-STD-1472D		Yes	Publicly Available
1.17	Electromagnetic Interference	MIL-STD-461-F		Yes	Publicly Available
1.18	System Safety	MIL-STD-882E		Yes	Publicly Available
1.19	Evaluation and Control of Personnel Exposure to Radio Frequency Fields, 3 kHz to 300 GHz	STANAG 2345		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
1.20	Environmental Noise Directive	Directive 2002/49/EC of the European Parliament and of the Council of 25 June 2002	NU	Yes	Publicly Available
1.21	SATURN, A Fast Frequency Hopping ECCM Mode for UHF Radio, Dec 2008, NSA/1328(2008)-C3/4372	STANAG 4372	NR	Yes	Please obtain through your National Delegation
1.22	Have Quick UHF Secure and Jam-Resistant Communications Equipment, Jan 1987	STANAG 4246	NS	Yes	Please obtain through your National Delegation
1.23	Technical Standards for Single Channel UHF Radio Equipment	STANAG 4205 Edition 3	NU	Yes	Publicly Available
1.24	Final decision on MC 0538/1 NATO Policy on the use of STANAG 4372 (SATURN) dated 17 March 2017	STANAG 4372 (SATURN)	NR	Yes	Please obtain through your National Delegation
1.25	Specification for the procurement and production of technical publications	ASD S1000D		Yes	Publicly Available
1.26	Joint Range Extension Application Protocol (JREAP)	STANAG 5518		Yes	Publicly Available
1.27	Interoperability Performance Standards	MIL-STD-188-203A		Yes	Publicly Available
1.28	Input/Output Interfaces, Standard Digital Data, Navy Systems	MIL-STD-1397		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
1.29	Information Technology	ISO-8877		Yes	Publicly Available
1.30	Digital Data Link - Link 1 (Point-to-Point)	STANAG 5501	NU	Yes	Please obtain through your National Delegation
1.31	Input/Output Interfaces, Standard Digital Data, NAW Systems	MIL-STD-1397C (SH)		Yes	Publicly Available
1.32	Interface Requirements Specification (IRS) for the Link-Level COMSEC (LLC) segment of the Link 22 (NILE) System, NILE PMO, 28 July 2016	NG-278-A011-LLCIRS	NILE PMO <u>NDA</u>	Yes	Please obtain through your National Delegation
1.33	Segment Specification for the Signal Processor Controller (SPC) of the Link 22 (NILE) System, NILE PMO, 28 July 2016	NG-278-A011-SPCSS	NILE PMO <u>NDA</u>	Yes	Please obtain through your National Delegation
1.34	Technical characteristic for an Automatic identification system using time-division multiple access in the VHF maritime mobile band, 04/2010	ITU-R M.1371-4		Yes	Publicly Available
1.35	Standard for Interfacing Marine Electronic Devices	NMEA 0183		Yes	Publicly Available
1.36	RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals (VoIP)	RFC 2833		Yes	Publicly Available
1.37	Session Initialization Protocol (SIP) (VoIP)	RFC 3261		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
1.38	Real Time Protocol (RTP) (VoIP)	RFC 3350		Yes	Publicly Available
1.39	Real Time Protocol (RTP) (VoIP)	RFC 3351		Yes	Publicly Available
1.40	RoIP	EUROCAE ED 137		Yes	Publicly Available
1.41	Hot dip galvanized coatings on fabricated iron and steel articles	EN 1461		Yes	Publicly Available
1.42	Metallic materials. Types of inspection documents	EN 10204		Yes	Publicly Available
1.43	Hot rolled products of structural steels. General technical delivery conditions	EN 10025		Yes	Publicly Available
1.44	Zinc coatings - Guidelines and recommendations for the protection against corrosion of iron and steel in structures	EN 14713		Yes	Publicly Available
1.45	Hot finished structural hollow sections of non-alloy and fine grain steels	EN 10210-1		Yes	Publicly Available
1.46	Mechanical properties of fasteners made of carbon steel and alloy steel	ISO 898		Yes	Publicly Available
1.47	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections	ISO 5817		Yes	Publicly Available
1.48	Welding and allied processes - Classification of geometric imperfections in metallic materials - Part 1: Fusion welding	ISO 6520-1		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
1.49	Northrup Grumman - Link 22 Guidebook	NG 278-A018-LLCIRS/B4		Yes	Publicly Available
1.50	Northrup Grumman - Link 22 Guidebook	NG 278-A018-SPCSS/B4		Yes	Publicly Available
1.51	Northrup Grumman - Link 22 Guidebook	NG 278-A018-SPCSS/B4, Appendix A, HF FF Media		Yes	Publicly Available
1.52	Northrup Grumman - Link 22 Guidebook	NG 278-A018-SPCSS/B4, Appendix B, UHF FF Media		Yes	Publicly Available
1.53	Northrup Grumman - Link 22 Guidebook	NG 278-A018-SPCSS/B4, Appendix D, UHF FF Media		Yes	Publicly Available
1.54	Technical Standards for Non-Hopping HF Communications Waveform	STANAG 4539 Annex D	NR	Yes	Please obtain through your National Delegation
1.55	AN/ESQ-XXX Data Terminal Specifications	SPAWAR-S-850	US Confidential	Yes	Please obtain through your National Delegation
1.56	Digital Signalling Circuit	EIA RS-232-C		Yes	Publicly Available
1.57	Visual aids for denoting obstacles	ICAO Annex 14, Volume 1, Chapter 6		Yes	Publicly Available
1.58	Protection against lightning - Part 1: General principles	EN 62305-1:2011		Yes	Publicly Available
1.59	Electromagnetic Compatability	EN 61000		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
1.60	Interface for Precise Time and Frequency Transfer	STANAG 4430	NS	Yes	Please obtain through your National Delegation
<b>2</b>	<b>Civil Works Documentation</b>				
2.1	Environmental Impact Assessment	Directive 2014/52/EU of the European Parliament and of the Council of 16 April 2014 amending Directive 2011/92/EU		Yes	Publicly Available
2.2	Certificates of Conformity	Regulation (EU) No 305/2011 of the European Parliament of the Council of 9 March 2011		Yes	Publicly Available
2.3	Test of electrical cables under fire conditions	IEC 60332:2020 SER		Yes	Publicly Available
2.4	Fire Test Technology	IEC 60754 series		Yes	Publicly Available
2.5	Electric Cables - Halogen-free, Low smoke, Thermoplastic insulated and sheathed cables of rated voltages up to and including 450/750 V - Part 1: General Requirement	IEC 62821 series		Yes	Publicly Available
2.6	Standard Test Method for Specific Optical Density of Smoke	ASTM E662-21		Yes	Publicly Available
2.7	Specification for the procurement and production of technical publications	ASD S1000D		Yes	Publicly Available
2.8	International Specifications for Material Management	ASD S2000M		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.9	International Procedure Specification for Logistic Support Analysis (LSA)	ASD S3000L		Yes	Publicly Available
2.10	Basis of Structural Design	EN 1990		Yes	Publicly Available
2.11	Design Guidance and actions for Structural Design of Buildings and Civil Engineering Works	EN 1991 - Euro Code 1		Yes	Publicly Available
2.12	Design of Concrete Structures	EN 1992 - Eurocode 2		Yes	Publicly Available
2.13	Design of Steel Structures	EN 1993 - Eurocode 3		Yes	Publicly Available
2.14	Design of Composite Steel and Concrete Structures	EN 1994 - Eurocode 4		Yes	Publicly Available
2.15	Design of Timber Structures	EN 1995 - Eurocode 5		Yes	Publicly Available
2.16	Design of Masonry Structures	EN 1996 - Eurocode 6		Yes	Publicly Available
2.17	Geotechnical Design	EN 1997 - Eurocode 7		Yes	Publicly Available
2.18	Design of Structures for Earthquake Design	EN 1998 9 Eurocode 8		Yes	Publicly Available
2.19	Design of aluminium structures	EN 1999 - Eurocode 9		Yes	Publicly Available
2.20	Construction Products Directive	COUNCIL DIRECTIVE 89/106/EEC		Yes	Publicly Available
2.21	Graphical symbols for use in electro-technical diagrams	IEC 60617		Yes	Publicly Available
2.22	Graphical Symbols for use on Equipment	IEC 60417		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.23	Equipment for fire protection and firefighting -- Graphical symbols for fire protection plans – Specification	ISO 6790		Yes	Publicly Available
2.24	UK MoD Building Performance Standards	JSP 315		Yes	Please obtain through UK Delegation
2.25	UK MoD Defence Construction in the Built Environment	JSP 434		Yes	Please obtain through UK Delegation
2.26	UK MoD Defence Estate Management	JSP 435		Yes	Please obtain through UK Delegation
2.27	UK MoD Infrastructure Estate Policy	JSP 850		Yes	Please obtain through UK Delegation
2.28	UK Health and Safety at Work Act 1974	N/A		Yes	(UK Specific) Publicly Available
2.29	Buildings and constructed assets - Service life planning - Part 1: General principles and framework	ISO 15686-1		Yes	Publicly Available
2.30	Buildings and constructed assets - Service life planning - Part 2: Service life prediction procedures	ISO 15686-2		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.31	2014 Building Construction - Service Life Planning - Part 4: Service Life Planning using Building Information Modelling	ISO 15686-4		Yes	Publicly Available
2.32	2008 Buildings and constructed assets - Service-life planning - Part 8: Reference service life and service-life estimation	ISO 15686-8		Yes	Publicly Available
2.33	2008 Buildings and constructed assets - Service-life planning - Part 9: Guidance on assessment of service-life data	ISO 15686-9		Yes	Publicly Available
2.34	2014 Buildings and constructed assets - Service life planning - Part 11: Terminology	ISO 15686-11		Yes	Publicly Available
2.35	Landfill of Waste	EU Council Directive 1999/31/EC of 26 April 1999		Yes	Publicly Available
2.36	Waste and repealing certain Directives	b. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008		Yes	Publicly Available
2.37	Manholes and Sumps	EN-124		Yes	Publicly Available
2.38	UV and Weather Resistance	ISO 4892		Yes	Publicly Available
2.39	Hot rolled products of structural steels	EN 10025-2:2019		Yes	Publicly Available
2.40	Hot rolled products of structural steels - normalized rolled weld able fine grain structural steels	EN 10025-3:2019		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.41	Hot rolled products of structural steels - thermomechanical rolled weld able fine grain structural steels	EN 10025-4:2019		Yes	Publicly Available
2.42	Hot rolled products of structural steels with improved atmospheric corrosion resistance	EN 10025-5:2019		Yes	Publicly Available
2.43	Hot rolled products of structural steels - flat products of high yield strength structural steels in the quenched and tempered condition	EN 10025-6:2019		Yes	Publicly Available
2.44	Hot rolled sheet piling of non-alloy steels	EN 10248-1:1996		Yes	Publicly Available
2.45	Steels and nickel alloys for fasteners with specified elevated and/or low temperature properties	EN 10269:2013		Yes	Publicly Available
2.46	Mechanical properties of fasteners made of carbon steel and alloy steel. Flat washers with specified property classes	EN ISO 898-3:2018		Yes	Publicly Available
2.47	Mechanical properties of fasteners made of carbon steel and alloy steel. Bolts, screws and studs with specified property classes. Coarse thread and fine pitch thread	EN ISO 898-1:2013		Yes	Publicly Available
2.48	Fasteners. Mechanical properties of corrosion-resistant stainless steel fasteners. Bolts, screws and studs with specified grades and property classes	EN ISO 3506-1:2020		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.49	Mechanical properties of corrosion-resistant stainless steel fasteners. Nuts with specified grades and property classes	BS EN ISO 3506-2:2020		Yes	Publicly Available
2.5	Mechanical properties of corrosion-resistant stainless steel fasteners. Tapping screws	EN ISO 3506-4:2009		Yes	Publicly Available
2.51	Qualification testing of welders. Fusion welding. Steels	EN ISO 9606-1:2017		Yes	Publicly Available
2.52	Qualification test of welders. Fusion welding. Cast irons	EN 287-6:2018		Yes	Publicly Available
2.53	Qualification test of welders. Fusion welding. Aluminum and aluminum alloys	EN ISO 9606-2:2004		Yes	Publicly Available
2.54	Basic welded joint details in steel. Pressurized components	EN 1708-1:2010 Welding		Yes	Publicly Available
2.55	Structural timber	EN 338:2016		Yes	Publicly Available
2.56	Timber structures	EN 14081-2:2018		Yes	Publicly Available
2.57	Structural timber	EN 384:2016+A1:2018		Yes	Publicly Available
2.58	Plastics rainwater piping systems for above ground external use	EN 12200-1:2016		Yes	Publicly Available
2.59	Eaves gutters and fittings made of PVC-U	EN 607:2004		Yes	Publicly Available
2.60	Thermal performance of buildings — Transmission and ventilation heat transfer coefficients	ISO 13789:2017		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.61	Energy performance of buildings — Overarching EPB assessment	ISO 52000-1:2017		Yes	Publicly Available
2.62	Thermal performance of building materials and products. Determination of thermal resistance or THN equivalent.	EN 12667:2001		Yes	Publicly Available
2.63	Fire Classification of Constructions Products and Building elements - Classification using data from reaction to fire tests.	EN 13501-1:2018		Yes	Publicly Available
2.64	Reaction to fire tests for products — Non-combustibility test	ISO 1182:2020		Yes	Publicly Available
2.65	Electrostatics. Protection of electronic devices from electrostatic phenomena	EN 61340-5-1:2016		Yes	Publicly Available
2.66	Electrostatics. Standard test methods for specific applications. Electrical resistance of floor coverings and installed floors	EN 61340-4-1:2004+A1:2015		Yes	Publicly Available
2.67	Ceramic tiles. Definition, classification, characteristics, assessment and verification of constancy of performance	EN-14411:2016		Yes	Publicly Available
2.68	Anti-slip finish - R13 (Non Slip Tiles)	DIN 51130 CEN/TS 16165		Yes	Publicly Available
2.69	Ceramic tiles — Part 4: Determination of modulus of rupture and breaking strength	ISO 10545-4:2019		Yes	Publicly Available
2.70	Raised access floors	EN 12825:2001		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.71	Design, preparation and application of external rendering and internal plastering. External rendering	EN 13914-1:2016		Yes	Publicly Available
2.72	Specifications for external renders and internal plasters based on organic binders	EN 15824:2017		Yes	Publicly Available
2.73	Specification for mortar for masonry. Rendering and plastering mortar	EN 998-1:2016		Yes	Publicly Available
2.74	Ceramic tiles — Part 13: Determination of chemical resistance	ISO 10545-13		Yes	Publicly Available
2.75	Paints and varnishes — Determination of wet-scrub resistance and cleanability of coatings	ISO 11998:2006		Yes	Publicly Available
2.76	Suspended ceilings. Requirements and test methods	EN13964:2014		Yes	Publicly Available
2.77	Burglary resistant class CR4	EN 1627:2011		Yes	Publicly Available
2.78	Mechanical resistance M+5	EN 1192:2000		Yes	Publicly Available
2.79	Frequency of use f6 (200,000 cycles)	EN 1191:2012		Yes	Publicly Available
2.80	Fire resistance minimum E60/EW60	EN 13501-2:2016		Yes	Publicly Available
2.81	Thermal insulation T3 $\leq 2.5$ W/m <sup>2</sup> K	EN 10077-1:2017		Yes	Publicly Available
2.82	Airtightness L2	EN 12207:2016 and EN 1026:2016		Yes	Publicly Available
2.83	Water tightness 6A	EN 1027:2016 and EN 12208:2000		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.84	Wind resistance VC4	EN 12211:2016 and EN 12210:2016		Yes	Publicly Available
2.85	Galvanized steel base with a high performing powder coat finish	EN 12944-6:2018		Yes	Publicly Available
2.86	Door fire resistance E60/EW60	EN 13501-2:2016		Yes	Publicly Available
2.87	Loft ladders	EN 14975:2006+A1:2010		Yes	Publicly Available
2.88	Construction Products	Regulation (EU) no 305/2011 of the European Parliament and of the Council of 9 March 2011		Yes	Publicly Available
2.89	Industrial, commercial, garage doors and gates. Product standard, performance characteristics	EN 13241:2003+A2:2016		Yes	Publicly Available
2.90	Industrial, commercial and garage doors and gates. Safety in use of power operated doors	EN 12453:2017		Yes	Publicly Available
2.91	Safety of machinery — Safety distances to prevent hazard zones being reached by upper and lower limbs	ISO 13857:2019		Yes	Publicly Available
2.92	Industrial, commercial and garage doors and gates. Installation and use	EN 12635:2002+A1:2008		Yes	Publicly Available
2.93	Safety of machinery. Electrical equipment of machines. General requirements	EN 60204-1:2018		Yes	Publicly Available
2.94	Machinery	Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.95	Guide to application of the Machinery	Directive 2006/42/EC Latest update: 24/05/2016		Yes	Publicly Available
2.96	Industrial, commercial and garage doors and gates	EN 12978:2003+A1:2009		Yes	Publicly Available
2.97	Industrial, commercial and garage doors and gates. Mechanical aspects	EN 12604:2017		Yes	Publicly Available
2.98	Eurocode 1. Actions on structures	EN 1991-1-4:2005+A1:2010		Yes	Publicly Available
2.99	Safety in use of power operated - iTech Standards	EN 12453		Yes	Publicly Available
2.100	Cabling wiring and earthing	EN 60204-1		Yes	Publicly Available
2.101	Building hardware	EN 1125:2008		Yes	Publicly Available
2.102	Glass in building	EN 12600:2002		Yes	Publicly Available
2.103	Framework for Community action in the field of water policy	Directive 2000/60/EC of the European Parliament and of The Council of 23 October 2000		Yes	Publicly Available
2.104	Protection of groundwater against pollution and deterioration	Directive 2006/118/EC of the European Parliament and of the Council of 12 December 2006		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.105	Environmental quality standards in the field of water policy, amending and subsequently repealing Council Directives 82/176/EEC, 83/513/EEC, 84/156/EEC, 84/491/EEC, 86/280/EEC and amending Directive 2000/60/EC of the European Parliament and of the Council	Directive 2008/105/EC of the European Parliament and of the Council of 16 December 2008		Yes	Publicly Available
2.106	Gravity drainage systems inside buildings. Roof drainage, layout and calculation	BS EN 12056-3:2000		Yes	(UK Specific) Publicly Available
2.107	Quality Management System	ISO 9001		Yes	Publicly Available
2.108	Portable fire extinguishers. Characteristics, performance requirements and test methods	BS EN 3-7:2004+A1:2007		Yes	(UK Specific) Publicly Available
2.109	Portable fire extinguishers. Additional requirements to EN 3-7 for pressure resistance of CO2 extinguishers	BS EN 3-8:2006		Yes	(UK Specific) Publicly Available
2.110	Portable fire extinguishers. Provisions for evaluating the conformity of a portable fire extinguisher to EN 3-7	BS EN 3-10:2009		Yes	(UK Specific) Publicly Available
2.111	AECTP-230 Climatic Conditions (Edition 1)	STANAG 4370, edition 7, November 2019	NU	Yes	Publicly Available
2.112	Metallic products	BS EN 10204:2004		Yes	(UK Specific) Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.113	General technical delivery requirements	BS ISO 404:2013		Yes	(UK Specific) Publicly Available
2.114	Hot rolled products of structural steels. Technical delivery conditions	BS EN 10025-2/3/4:2019		Yes	(UK Specific) Publicly Available
2.115	Hot rolled products of structural steels. Technical delivery conditions for structural steels with improved atmospheric corrosion resistance	BS EN 10025-5:2019		Yes	(UK Specific) Publicly Available
2.116	Hot finished structural hollow sections of non-alloy and fine grain steels. Technical delivery requirements	BS EN 10210-1:2006		Yes	(UK Specific) Publicly Available
2.117	Hot finished steel structural hollow sections. Tolerances, dimensions and sectional properties	BS EN 10210-2:2019		Yes	(UK Specific) Publicly Available
2.118	Hot finished steel structural hollow sections. Technical delivery conditions for high strength and weather resistant steels	BS EN 10210-3:2020		Yes	(UK Specific) Publicly Available
2.119	Zinc coatings — Guidelines and recommendations for the protection against corrosion of iron and steel in structures — Part 1: General principles of design and corrosion resistance	ISO 14713-1:2017		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.120	Zinc coatings — Guidelines and recommendations for the protection against corrosion of iron and steel in structures — Part 2: Hot dip galvanizing	SO 14713-2:2019		Yes	Publicly Available
2.121	Zinc coatings — Guidelines and recommendations for the protection against corrosion of iron and steel in structures — Part 3: Sherardizing	ISO 14713-3:2017		Yes	Publicly Available
2.122	Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs with specified property classes — Coarse thread and fine pitch thread	ISO 898-1:2013		Yes	Publicly Available
2.123	Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs with specified property classes — Coarse thread and fine pitch thread	ISO 898-1:2013		Yes	Publicly Available
2.124	Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs with specified property classes — Coarse thread and fine pitch thread	ISO 898-2:2012		Yes	Publicly Available
2.125	Mechanical properties of fasteners made of carbon steel and alloy steel — Part 3: Flat washers with specified property classes — Amendment 1	SO 898-3:2018/AMD 1:2020		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.126	Mechanical properties of fasteners made of carbon steel and alloy steel — Part 5: Set screws and similar threaded fasteners with specified hardness classes — Coarse thread and fine pitch thread	ISO 898-5:2012		Yes	Publicly Available
2.127	Fasteners — Prevailing torque steel nuts — Functional properties	ISO 2320:2015		Yes	Publicly Available
2.128	Fasteners — Torque/clamp force testing — Amendment 1	ISO 16047:2005/AMD 1:2012		Yes	Publicly Available
2.129	Fasteners — Hot dip galvanized coatings — Technical Corrigendum 1	ISO 10684:2004/COR 1:2008		Yes	Publicly Available
2.130	Steels and nickel alloys for fasteners with specified elevated and/or low temperature properties	BS EN 10269:2013		Yes	(UK Specific) Publicly Available
2.131	Welding — Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) — Quality levels for imperfections	ISO 5817:2014		Yes	Publicly Available
2.132	Welding and allied processes — Classification of geometric imperfections in metallic materials — Part 1: Fusion welding	ISO 6520-1:2007		Yes	Publicly Available
2.133	Welding and allied processes — Classification of geometric imperfections in metallic materials — Part 2: Welding with pressure	ISO 6520-2:2013		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.134	Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 2: Classification of environments	ISO 12944-2:2017		Yes	Publicly Available
2.135	Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 3: Design considerations	ISO 12944-3:2017		Yes	Publicly Available
2.136	Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 4: Types of surface and surface preparation	ISO 12944-4:2017		Yes	Publicly Available
2.137	Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 5: Protective paint systems	ISO 12944-5:2019		Yes	Publicly Available
2.138	Corrigendum 1 - Amendment 2 - Degrees of protection provided by enclosures (IP Code)	IEC 60529:1989/AMD2:2013/COR1:2019		Yes	Publicly Available
2.139	Household and similar electrical appliances - Safety - Part 2-88: Particular requirements for humidifiers intended for use with heating, ventilation, or air-conditioning systems	IEC 60335-2-88:2002 Household and similar electrical appliances - Safety - Part 2-88		Yes	Publicly Available
2.140	Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	IEC 60335-2-40:2018 Household and similar electrical appliances - Safety - Part 2-40		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.141	Energy performance of buildings — Energy needs for heating and cooling, internal temperatures and sensible and latent heat loads — Part 1: Calculation procedures	ISO 52016-1:2017		Yes	Publicly Available
2.142	Energy performance of buildings. Ventilation for buildings. Indoor environmental input parameters for design and assessment of energy performance of buildings addressing indoor air quality, thermal environment, lighting and acoustics	EN 16798-1:2019		Yes	Publicly Available
2.143	Energy performance of buildings. Ventilation for buildings. For non-residential buildings. Performance requirements for ventilation and room-conditioning systems	EN 16798-3:2017		Yes	Publicly Available
2.144	Energy performance of buildings. Ventilation for buildings. Calculation methods for the determination of air flow rates in buildings including infiltration	EN 16798-7:2017		Yes	Publicly Available
2.145	CE Marking Directive	European Council Directive 93/68/EEC of 22 July 1993		Yes	Publicly Available
2.146	Requirements for the control of electromagnetic interference characteristics of subsystems and equipment, December 2015.	MIL-STD 461G		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.147	Substances that deplete the ozone layer amended by Commission Regulation (EU) 2017/605 of 29 March 2017	Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009		Yes	Publicly Available
2.148	CE marked and provided with EC Declaration of Conformity	Pressure Equipment Directive 2014/68/EU		Yes	Publicly Available
2.149	Efficiency requirements for new hot-water boilers fired with liquid or gaseous fuels, amended by 93/68/CEE	European Council Directive 92/42/EEC of 21 May 1992		Yes	Publicly Available
2.150	Energy performance of buildings and Directive 2012/27/EU on energy efficiency	Directive (EU) 2018/844 of the European Parliament and of the Council of 30 May 2018 amending Directive 2010/31/EU		Yes	Publicly Available
2.151	Air Tightness Test	EN 12599:2012		Yes	Publicly Available
2.152	Air Ducts	EN 13501-1:2018		Yes	Publicly Available
2.153	Fluorinated greenhouse gases and repealing Regulation (EC) No 842/2006	Regulation (EU) No 517/2014 of the European Parliament and of the Council of 16 April 2014		Yes	Publicly Available
2.154	Classification of the resistance to fire performance of construction products, construction works and parts thereof	Commission Decision of 3 May 2000 implementing Council Directive 89/106/EEC		Yes	Publicly Available
2.155	External fire performance of roof coverings	2000/553/EC: Commission Decision of 6 September 2000 implementing Council Directive 89/106/EEC		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.156	Fire detection and fire alarm systems	BS EN 54 series		Yes	(UK Specific) Publicly Available
2.157	Panic exit devices operated by a horizontal bar, for use on escape routes. Requirements and test methods	BS EN 1125:2008 Building hardware.		Yes	(UK Specific) Publicly Available
2.158	Fire resistance tests for service installations. Fire dampers	BS EN 1366-2:2015		Yes	(UK Specific) Publicly Available
2.159	Fire resistance tests for service installations. Smoke extraction ducts	BS EN 1366-8:2004		Yes	(UK Specific) Publicly Available
2.160	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Fire resistance test for door and shutter assemblies and openable windows	BS EN 1634-1:2014+A1:2018		Yes	(UK Specific) Publicly Available
2.161	Fire resistance and smoke control tests for door, shutter and openable window assemblies and elements of building hardware. Fire resistance characterization test for elements of building hardware	BS EN 1634-2:2008		Yes	(UK Specific) Publicly Available
2.162	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Smoke control test for door and shutter assemblies	BS EN 1634-3:2004		Yes	(UK Specific) Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.163	Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings	ISO 3864-1:2011		Yes	Publicly Available
2.164	Smoke and heat control systems. Natural smoke and heat exhaust ventilators	BS EN 12101-2:2017		Yes	(UK Specific) Publicly Available
2.165	Smoke and heat control systems. Specification for powered smoke and heat control ventilators (Fans)	BS EN 12101-3:2015		Yes	(UK Specific) Publicly Available
2.166	Reaction to fire tests for building products. Conditioning procedures and general rules for selection of substrates	BS EN 13238:2010		Yes	(UK Specific) Publicly Available
2.167	Fire classification of construction products and building elements. Classification using data from reaction to fire tests	BS EN 13501-1:2018		Yes	(UK Specific) Publicly Available
2.168	Fire classification of construction products and building elements. Classification using data from fire resistance tests, excluding ventilation services	BS EN 13501-2:2016		Yes	(UK Specific) Publicly Available
2.169	Fire classification of construction products and building elements. Classification using data from fire resistance tests on products and elements used in building service installations: fire resisting ducts and fire dampers	BS EN 13501-3:2005+A1:2009		Yes	(UK Specific) Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.170	Fire classification of construction products and building elements. Classification using data from fire resistance tests on components of smoke control systems	BS EN 13501-4:2016		Yes	(UK Specific) Publicly Available
2.171	Fire classification of construction products and building elements. Classification using data from external fire exposure to roofs tests	BS EN 13501-5:2016		Yes	(UK Specific) Publicly Available
2.172	Thermal insulation products for building equipment and industrial installations. Factory made calcium silicate (CS) products. Specification	BS EN 14306:2015		Yes	(UK Specific) Publicly Available
2.173	Smoke alarm devices	BS EN 14604:2005		Yes	(UK Specific) Publicly Available
2.174	Ventilation for buildings. Fire dampers	BS EN 15650:2010		Yes	(UK Specific) Publicly Available
2.175	Extended application reports on the fire performance of construction products and building elements	BS EN 15725:2010		Yes	(UK Specific) Publicly Available
2.176	Method of test for resistance to fire of unprotected small cables for use in emergency circuits	BS EN 50200:2015		Yes	(UK Specific) Publicly Available
2.177	Electromagnetic compatibility emission requirement for electrical and electronic equipment	BS EN 61000-6-3:2007+A1:2011		Yes	(UK Specific) Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.178	Electromagnetic compatabilty (EMC)	BS EN IEC 61000-6-4:2019		Yes	(UK Specific) Publicly Available
2.179	standard voltages	IEC 60038		Yes	Publicly Available
2.180	Electrical installations of buildings	IEC 60364		Yes	Publicly Available
2.181	Plugs, socket-outlets and couplers for industrial purposes	IEC 60309		Yes	Publicly Available
2.182	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses	IEC 61009		Yes	Publicly Available
2.183	Cable management - Cable tray systems and cable ladder systems	IEC 61537		Yes	Publicly Available
2.184	Low-voltage surge protective devices	IEC 61643		Yes	Publicly Available
2.185	Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC	IEC TR 60083		Yes	Publicly Available
2.186	Degrees of protection provided by enclosures (IP Code)	IEC 60529		Yes	Publicly Available
2.187	Luminaires. General requirements and tests	EN 60598-1:2015+A1:2018		Yes	Publicly Available
2.188	electromagnetic compatibility	Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.189	Requirements for the control of electromagnetic interference characteristics of subsystems and equipment, December 2015	MIL-STD 461G		Yes	Publicly Available
2.190	Low voltage directive	Directive 2014/35/Eu of The European Parliament and of The Council of 26 February 2014		Yes	Publicly Available
2.191	small, medium and large power transformers	Commission Regulation (EU) 2019/1783 of 1 October 2019 amending Regulation (EU) No 548/2014 on implementing Directive 2009/125/EC of the European Parliament		Yes	Publicly Available
2.192	small, medium and large power transformers	Commission Regulation (EU) No 548/2014 of 21 May 2014 on implementing Directive 2009/125/EC of the European Parliament and of the Council		Yes	Publicly Available
2.193	establishing a framework for the setting of eco-design requirements for energy-related products	Directive 2009/125/EC of the European Parliament and of the Council of 21 October 2009		Yes	Publicly Available
2.194	Additional European requirements. Common part.	EN 50708-1-1:2020		Yes	Publicly Available
2.195	Power transformers. Additional European requirements. Medium power transformer. General requirements	EN 50708-2-1:2020		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.196	Power transformers. Additional European requirements. Large power transformers. General requirements	EN 50708-3-1:2020		Yes	Publicly Available
2.197	HV cables	IEC 60183:2015		Yes	Publicly Available
2.198	Low-voltage switchgear and control gear assemblies, Busbar trunking systems (busways)	EN 61439-6:2012		Yes	Publicly Available
2.199	Low-voltage switchgear and control gear	EN 60947-2:2017+A1:2020		Yes	Publicly Available
2.200	Capacitor Bank	IEC 60871		Yes	Publicly Available
2.201	Capacitor Bank	IEC 60831		Yes	Publicly Available
2.202	Capacitor Bank	IEC 61921		Yes	Publicly Available
2.203	Capacitor Bank	IEC 60099		Yes	Publicly Available
2.204	Capacitor Bank	IEC 60076		Yes	Publicly Available
2.205	Capacitor Bank	IEC 61869		Yes	Publicly Available
2.206	Switches	IEC 60669		Yes	Publicly Available
2.207	Switches	IEC 60947		Yes	Publicly Available
2.208	Switches	IEC 62626		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.209	Circuit Breakers	IEC 60947		Yes	Publicly Available
2.210	Circuit Breakers	IEC 60898		Yes	Publicly Available
2.211	Circuit Breakers	EN 61008		Yes	Publicly Available
2.212	Circuit Breakers	EN 61009		Yes	Publicly Available
2.213	Low-voltage fuses – fuses mainly for industrial application.	IEC 60269-2		Yes	Publicly Available
2.214	Contactors	IEC 60947-4-2		Yes	Publicly Available
2.215	Contactors	IEC 60947-4-1		Yes	Publicly Available
2.216	Contactors	IEC 61095		Yes	Publicly Available
2.217	Earth leakage current circuit-breakers	IEC 60364		Yes	Publicly Available
2.218	Electrical Cables	IEC 60228		Yes	Publicly Available
2.219	Electrical Cables	IEC 60287-3-2 (Economic optimization of power cable size)		Yes	Publicly Available
2.220	Basic and safety principles for man-machine interface, marking and identification	EN 60445:2017		Yes	Publicly Available
2.221	Information technology. Cabling installation. Installation planning and practices inside buildings	EN 50174-2:2018		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.222	Armoured Cables	IEC 60502		Yes	Publicly Available
2.223	Armoured Cables	EN 50267		Yes	Publicly Available
2.224	Armoured Cables	EN 60332-1-2 (for single core cables)		Yes	Publicly Available
2.225	Sheaths and insulation protecting against local climatic condition and assuring sufficient UV resistance	EN 50289-4-17:2015.		Yes	Publicly Available
2.226	Halogen-free, low smoke, thermoplastic insulated and sheathed cables	IEC 62821		Yes	Publicly Available
2.227	Generic cabling for customer premises	ISO/IEC 11801		Yes	Publicly Available
2.228	Implementation and operation of customer premises cabling - Part 2-1: Planning and installation - Identifiers within administration systems	ISO/IEC TR 14763-2-1:2011 I		Yes	Publicly Available
2.229	Cabling installation. Installation specification and quality assurance	EN 50174-1:2018+A1:2020		Yes	Publicly Available
2.230	Cabling installation. Installation planning and practices inside buildings	EN 50174-2:2018		Yes	Publicly Available
2.231	Cabling installation. Installation planning and practices outside buildings	EN 50174-3:2013+A1:2017		Yes	Publicly Available
2.232	Cabling installation. Testing of installed cabling	EN 50346:2002+A2:2009		Yes	Publicly Available
2.233	Generic cabling systems	EN 50173 series		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.234	Telecommunications bonding networks for buildings and other structures	EN 50310:2016+A1:2020		Yes	Publicly Available
2.235	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces	IEC 61754 series		Yes	Publicly Available
2.236	Specification for the testing of balanced and coaxial information technology cabling - Part 1: Installed balanced cabling as specified in ISO/IEC 11801-1 and related standards	IEC 61935-1:2019 S		Yes	Publicly Available
2.237	Implementation and operation of customer premises cabling - Part 3: Testing of optical fibre cabling	ISO/IEC 14763-3:2014+AMD1:2018 CSV		Yes	Publicly Available
2.238	Cable management	EN 61537:2007		Yes	Publicly Available
2.239	Galvanised finishes	EN ISO 1462		Yes	Publicly Available
2.240	Galvanised support steelwork in dry indoor unpolluted areas	EN 10347		Yes	Publicly Available
2.241	Stainless steel or silicon steel with I200 g/m2 coating	ISO 1461.		Yes	Publicly Available
2.242	Cable Trays - metal plate	EN 10130:2006		Yes	Publicly Available
2.243	Cable Trays - metal plate	EN 10131:2006		Yes	Publicly Available
2.244	Cable Trays - metal plate	EN 10149-3:2013		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.245	Cable cleats for electrical installations	IEC 61914:2015		Yes	Publicly Available
2.246	Metal arc welding	EN 1012		Yes	Publicly Available
2.247	Standard power sockets - general product safety	Directive 2001/95/EC of the European Parliament and of the Council of 3 December 2001		Yes	Publicly Available
2.248	Plugs and socket-outlets for household and similar purposes - Part1: General requirements	EC 60884-1:2002+AMD1:2006+AMD2:2013 CSV		Yes	Publicly Available
2.249	System of plugs and socket-outlets for household and similar purposes - Part 1 Plugs and socket-outlets 16 A 250 V ac	IEC 60906-1:2009 IEC		Yes	Publicly Available
2.250	Plugs, socket-outlets and couplers for industrial purposes - Part 1: General requirements	IEC 60309-1:1999+AMD1:2005+AMD2:2012 CSV		Yes	Publicly Available
2.251	Plugs, socket-outlets and couplers for industrial purposes - Part 4: Switched socket-outlets and connectors with or without interlock	IEC 60309-4:2006+AMD1:2012 CSV		Yes	Publicly Available
2.252	Luminaires - Part 1: General requirements and tests	IEC 60598-1:2020		Yes	Publicly Available
2.253	Luminaires - Part 2-1: Particular requirements - Fixed general purpose luminaires	IEC 60598-2-1:2020		Yes	Publicly Available
2.254	Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting	IEC 60598-2-3:2002+AMD1:2011 CSV		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.255	Ground recessed luminaires	60598-2-13:2006+AMD1:2011+AMD2:2016 CSV		Yes	Publicly Available
2.256	Luminaires - Part 2-24: Particular requirements - Luminaires with limited surface temperatures	IEC 60598-2-24:2013		Yes	Publicly Available
2.257	LED Life Expectancy	IEC 62722-2-1:2015		Yes	Publicly Available
2.258	LED modules for general lighting - Performance requirements	IEC 62717:2014+AMD1:2015+AMD2:2019 CSV		Yes	Publicly Available
2.259	Self-ballasted LED lamps for general lighting services with supply voltages > 50 V - Performance requirements	IEC 62612:2013+AMD1:2015+AMD2:2018 CSV		Yes	Publicly Available
2.260	Luminaire performance - Part 2-1: Particular requirements for LED luminaires	IEC 62722-2-1:2014		Yes	Publicly Available
2.261	LED modules for general lighting - Safety specifications	IEC 62031:2018		Yes	Publicly Available
2.262	DC or AC supplied electronic control gear for LED modules - Performance requirements	IEC 62384:2020		Yes	Publicly Available
2.263	Equipment for general lighting purposes - EMC immunity requirements	IEC 61547:2020		Yes	Publicly Available
2.264	LED protection against dust and water	IEC 60529		Yes	Publicly Available
2.265	Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting	IEC 60598-2-22:2014+AMD1:2017 CSV		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.266	Lamp control gear - Part 2-7: Particular requirements for battery supplied electronic control gear for emergency lighting (self-contained)	EC 61347-2-7:2011+AMD1:2017 CSV		Yes	Publicly Available
2.267	Automatic test systems for battery powered emergency escape lighting	IEC 62034:2012		Yes	Publicly Available
2.268	Emergency Lighting - Protection against dust and water	IEC 60529		Yes	Publicly Available
2.269	Escape lighting luminaire	IEC 60598-2-22		Yes	Publicly Available
2.270	Safety of machinery. Emergency stop function — Principles for design	ISO 13850:2015		Yes	Publicly Available
2.271	Safety of machinery – Electrical equipment of machines	IEC 60204-1:2016		Yes	Publicly Available
2.272	Machinery	Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006		Yes	Publicly Available
2.273	Low-voltage switchgear and control gear - Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function	IEC 60947-5-5:1997+AMD1:2005+AMD2:2016 CSV		Yes	Publicly Available
2.274	Low-voltage switchgear and control gear - Control circuit devices and switching elements - Electromechanical control circuit devices	IEC 60947-5-1:2016		Yes	Publicly Available
2.275	Emergency Standby Power (ESP)	ISO 8528-1:2018.		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.276	Recipricating internal combustion engine driven alternating current generating sets	ISO 8528-13:2016.		Yes	Publicly Available
2.277	Connectors - EC 60309 industrial type	IEC 60529:1989/AMD2:2013/COR1:2020		Yes	Publicly Available
2.278	Electromagnetic compatibility	The Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States		Yes	Publicly Available
2.279	Requirements for the control of electromagnetic interference characteristics of subsystems and equipment, December 2015	MIL-STD 461G		Yes	Publicly Available
2.280	CE mark and EC Declaration of Conformity in compliance on machinery, and amending Directive 95/16/EC	Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006		Yes	Publicly Available
2.281	Reciprocating internal combustion engine driven alternating current generating sets — Part 2: Engines.	ISO 8528-2:2018		Yes	Publicly Available
2.282	Reciprocating internal combustion engines — Performance — Part 1: Declarations of power, fuel and lubricating oil consumptions, and test methods	ISO 3046-1:2002		Yes	Publicly Available
2.283	Aluminium ladder or platforms	ISO 14122 series		Yes	Publicly Available
2.284	Power Backup Characteristics	IEC 60529: 1989/ AMD2: 2013/ COR1:2019		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.285	Exhaust Emissions	Regulation (Eu) 2016/1628 of the European Parliament and of the Council of 14 September 2016		Yes	Publicly Available
2.286	Reciprocating Internal Combustion Engine - Exhaust Emission Measurements - Part 4	ISO 8178		Yes	Publicly Available
2.287	Thermal insulation of pipework, ductwork, associated equipment and other industrial installations in the temperature range of -100°C to +870°C. Code of practice	BS 5970:2012		Yes	(UK Specific) Publicly Available
2.288	Electrical insulation - Thermal evaluation and designation.	IEC 60085:2007		Yes	Publicly Available
2.289	IP 23 protection	IEC 60529: 1989/ AMD2: 2013/ COR1:2019		Yes	Publicly Available
2.290	Portable fire extinguishers	EN 3-7:2004+A1:2007		Yes	Publicly Available
2.291	Additional requirements to EN 3-7 for the construction, resistance to pressure and mechanical tests for extinguishers with a maximum allowable pressure equal to or lower than 30 bar	EN 3-8:2006 Portable fire extinguishers. Additional requirements		Yes	Publicly Available
2.292	Portable fire extinguishers. Provisions for evaluating the conformity of a portable fire extinguisher to EN 3-7	EN 3-10:2009 Portable fire extinguishers. Provisions		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.293	Plates Tags and Bands Identification	MIL-DTL 15024G		Yes	Publicly Available
2.294	Uninterruptible power systems (UPS) - Part 1: Safety requirements	IEC 62040-1:2017/COR1:2019 Corrigendum 1		Yes	Publicly Available
2.295	Uninterruptible power systems (UPS) - Part 2: Electromagnetic compatibility (EMC) requirements	IEC 62040-2:2016		Yes	Publicly Available
2.296	Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements	IEC 62040-3:2011		Yes	Publicly Available
2.297	Uninterruptible power systems (UPS) - Part 4: Environmental aspects - Requirements and reporting	IEC 62040-4:2013		Yes	Publicly Available
2.298	Electromagnetic Compatibility	IEC TS 61000-3-4		Yes	Publicly Available
2.299	Stationary lead-acid batteries - Part 21: Valve regulated types - Methods of test	IEC 60896-21:2004		Yes	Publicly Available
2.300	Stationary lead-acid batteries - Part 22: Valve regulated types	IEC 60896-22:2004		Yes	Publicly Available
2.301	Leaflet 254 atmospheric electricity and lightning	STANAG 4370 edition 7, AECTP 250		Yes	Publicly Available
2.302	Low-voltage surge protective devices - Part 11: Surge protective devices connected to low-voltage power systems - Requirements and test methods	IEC 61643-11:2011		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.303	Low-voltage surge protective devices - Part 12: Surge protective devices connected to low-voltage power systems - Selection and application principles	IEC 61643-12:2020		Yes	Publicly Available
2.304	IEC 61643-22:2015 Low-voltage surge protective devices - Part 22: Surge protective devices connected to telecommunications and signalling networks - Selection and application principles	IEC 61643-22:2015		Yes	Publicly Available
2.305	Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - Earthing arrangements and protective conductors	IEC 60364-5-54:2011		Yes	Publicly Available
2.306	Selection and Installation of Equipment for the Processing of Classified Information	SDIP-29/2, March 2015		Yes	Publicly Available
2.307	Low-voltage electrical installations - Part 7-714: Requirements for special installations or locations - External lighting installations	IEC 60364-7-714:2011		Yes	Publicly Available
2.308	Lighting fixtures - minimum IP 66	IEC 60529		Yes	Publicly Available
2.309	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)	IEC 62262:2002		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.310	LED lights with temperatures guaranteeing excellent performance / efficiency and durability of at least 50.000 hrs	IEC 62722-2-1:2014		Yes	Publicly Available
2.311	Cement Regulation for Concrete Works (Pre-stressed, Reinforced and Unarmed) (Government Gazette 69/A/1989).	Presidential Decree 244/1980:		Yes	(GRC Specific) Publicly Available
2.312	Standards for concrete reinforcement steels	ELOT EN 10080, ELOT 1421-1, ELOT 1421-3 "		Yes	(GRC Specific) Publicly Available
2.313	Amendment of the New Concrete Regulation for the Design and Construction of Concrete Works	Ministerial Decision D11E/0/30123/1991 (Government Gazette 1068/B/31-12-1991		Yes	(GRC Specific) Publicly Available
2.314	(Reinforced Concrete Regulation) EKOS 2000.	Ministerial Decision D17a/116/4/FN429/18-10-2000		Yes	(GRC Specific) Publicly Available
2.315	Adaptation of the Concrete Technology Regulation to the Requirements of the Harmonized Standard	Ministerial Decision D14/50504/2002 (Government Gazette 537/B; /1-5-2002) ELOT EN 197-1		Yes	(GRC Specific) Publicly Available
2.316	Hellenic Earthquake Regulation 2000 (Approval of the Greek Earthquake Regulation	Ministerial Decision D17a/141/3/FN 275/1999 (Government Gazette 2184/B; /20-12-19990		Yes	(GRC Specific) Publicly Available
2.317	Cement for the Construction of Concrete Works	Ministerial Decision 16462/29/2001 (Government Gazette 917/B/17.7.2001)		Yes	(GRC Specific)

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
					Publicly Available
2.318	Approval of the New Regulation of Concrete Reinforcement Steel Technology	Ministerial Decision D14/92330/08 (1416/B'/17.7.08) (Government Gazette 381/B'/24.3.2000)		Yes	(GRC Specific) Publicly Available
2.319	Approval of the application and use of the Euro codes in combination with the respective National Appendices	Ministerial Decision DIPAD/OIK. 372/2014 (Government Gazette 1457/B'/5.6.2014)		Yes	(GRC Specific) Publicly Available
2.320	Building Regulations	Government Gazette 59/D/3-2-1989		Yes	(GRC Specific) Publicly Available
2.321	Replacement of the current Regulation of Internal Electrical Installations with the ELOT Standards and other relevant provisions	Ministerial Decision F.7.5/1816/88/2004 (Government Gazette 470/B/5-3-2004)		Yes	(GRC Specific) Publicly Available
2.322	Approval of the Energy Efficiency Regulation of Buildings (KENAK)	Joint Ministerial Decision D6/B'/OIK 5825 (Government Gazette 407/B/2010)		Yes	(GRC Specific) Publicly Available
2.323	Manual of Standard Distribution Structures of Public Power Corporation (PPC), the Instructions Distribution of PPC SA	TBC		Yes	(GRC Specific) Publicly Available
2.324	Greek Technical Specifications mandatory application in all public works.	Government Gazette 2221/30-07-12		Yes	(GRC Specific) Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.325	Sewerage Regulations	TBC		Yes	(GRC Specific) Publicly Available
2.326	Building Fire Protection Regulation	Amendment and Supplementation of Presidential Decree 71/88 (Government Gazette 1316/B/31-12-1998)		Yes	(GRC Specific) Publicly Available
2.327	Public Procurement of Works, Supplies and Services	Law 4412/2016 (adjustment to Directives 2014/24/EU and 2014/25/EU) Government Gazette 147/A/08-08-2016.		Yes	(GRC Specific) Publicly Available
2.328	Regulation of Internal Hydraulic Installations	Royal Degree of 13.5/1936 (Government Gazette 23-06-1936) and the respective amendments		Yes	(GRC Specific) Publicly Available
2.329	The Technical Instructions of the Technical Chamber of Greece	TEE (TOTE)		Yes	(GRC Specific) Publicly Available
2.330	Facilities in Buildings and plots: Cold-Hot Water Distribution" and Facilities in Buildings and plots: Sewerage Networks	Technical Instructions of the Technical Chamber of Greece No2411/86 and 2412/86		Yes	(GRC Specific) Publicly Available
2.331	Building Fire Protection Regulation	Presidential Decree 41/2018 (Government Gazette 80/A/7-5-2018)		Yes	(GRC Specific) Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.332	Fences - Specification for open mesh steel panel), Category 2: Boundary/perimeter fences	BS EN 1722-14:2017		Yes	Publicly Available
2.333	Fences - Specification for anti-intruder fences in chain link and welded mesh	BS EN 1722-10:2019		Yes	Publicly Available
2.334	Building hardware. Padlocks and padlock fittings	EN 12320:2012		Yes	Publicly Available
2.335	Anchoring of new steel reinforcement bars in existing concrete elements	PETEP:14-01-11-00		Yes	(GRC Specific) Publicly Available
2.336	Removal of loose or adhered material from concrete surfaces	PETEP:14-01-01-01		Yes	(GRC Specific) Publicly Available
2.337	Drilling in concrete members with cut-off of encountered reinforcement	PETEP:14-01-03-02		Yes	(GRC Specific) Publicly Available
2.338	The minimum thickness of reinforcement cover of slabs, beams and columns of a construction	Greek Code for Reinforced Concrete 2000 in conjunction with the Greek Antiseismic Regulation 2003		Yes	(GRC Specific) Publicly Available
2.339	Power generators rated as Emergency Standby Power (ESP)	ISO 8528-1:2018		Yes	Publicly Available
2.340	Concrete Specification, Performance, Production and Conformity	EN 206:2013+A2:2021		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.341	Design of structures for earthquake resistance – Part 1: General rules, seismic actions and rules for buildings	EN 1998-1:2004, Eurocode 8 - Part 1		Yes	Publicly Available
2.342	Design of structures for earthquake resistance – Part 3: Assessment and retrofitting of buildings and its implementation	EN 1998-1:2004, Eurocode 8 - Part 3		Yes	Publicly Available
2.343	Design of structures for earthquake resistance – Part 4: Silos, tanks and pipelines	EN 1998-1:2004, Eurocode 8 - Part 4		Yes	Publicly Available
2.344	Design of structures for earthquake resistance – Part 5: Foundations, retaining structures and geotechnical aspects	EN 1998-1:2004, Eurocode 8 - Part 5		Yes	Publicly Available
2.345	Design of structures for earthquake resistance – Part 6: Towers, masts and chimneys	EN 1998-1:2004, Eurocode 8 - Part 6		Yes	Publicly Available
2.346	UK MOD Radio Site Clearance and Protection Part 2: Volume 2	JSP 604 Leaflet 3032		Yes	Please obtain through your National Delegation
2.347	Wood impregnation agents	(EU) No 528/2012 of the European Parliament and of the Council of 22 May 2013		Yes	Publicly Available
2.348	Durability of wood and wood-based products	ISO 21887:2007		Yes	Publicly Available
2.349	Concrete works exposed to outdoor environment	EN 206:2013+A2:2021		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.350	Metal works exposed to outdoor environment	ISO 12944-5:2019		Yes	Publicly Available
2.351	UK MOD - RRH Benbecula - Proposed Ground Floor Plan	Drawing (PDF) 52393_A_05_100	UK Official Sensitive	Yes	Yes
2.352	UK - MOD - RRH Benbecula - Proposed Ground Floor Plan Option 7	Drawing (PDF) 52393_A_05_100_7	UK Official Sensitive	Yes	Yes
2.353	UK MOD - RRH Benbecula - Cable & Duct Routes for South Cletteravel Site Map	Drawing (PDF) 007/SITE/SC	UK Official Sensitive	Yes	Yes
2.354	UK MOD - Cable & Duct Routes - RRH Saxa Vord	Drawing 073/BLDH/G/H001 (PDF)	UK Official Sensitive	Yes	Yes
2.355	UK MOD - RRH Benbecula - General Site Layout	Drawing (PDF) SNI-BBA)02-FULL-SITE-001		Yes	Yes
2.356	UK MOD - RRH Benbecula - General Site Layout	Drawing (PDF) SNI-BBAO-FULL-SITE-002		Yes	Yes
2.357	UK MOD - RRH Saxa Vord - General Site Layout	Drawing (PDF) SNI-SXVO-FULL-SITE-001		Yes	Yes
2.358	UK MOD - RRH Benbecula - HYDRA C SERVICES LAYOUT BLOCK HOUSE MECHANICAL	Drawing (PDF) RJC.2373.2105.M02		Yes	Yes
2.359	UK MOD - RRH Benbecula - HYDRA C BLOCK HOUSE SMALL POWER	Drawing (PDF) RJC.2373.2105.E03		Yes	Yes
2.360	UK MOD - RRH Benbecula - HYDRA C BLOCK HOUSE AND OFFICE LIGHTING	Drawing (PDF) RJC.2373.2105.E01		Yes	Yes

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.361	UK MOD - RRH Benbecula - SCIDA Site Layout Diagrams	PDF document 20200428-HYDRA BEB COMMS –SCIDA _ECR_ Pt_ 2_ V2.0-O (Extracts)	UK Official Sensitive	Yes	Yes
2.362	UK MOD - RRH Benbecula - Project Hydra Site C - Proposed Ground Floor Plan	Drawing W03306-SWH-XX-GF-DR-A-0600-Z02		Yes	Yes
2.363	Specification for Masonary Units	EN 771-1+A1		Yes	Publicly Available
2.364	NATO Approved Technical Criteria and Standards for POL Facilities	AC/4-N(2017)0002 (INV), 17 Jan 2017		Yes	Yes
2.365	Facilities And Equipment for Receipt and Delivery of Aviation Kerosene and Diesel Fuels	STANAG 3756, edition 4, 9 September 2002		Yes	Publicly Available
2.366	Gaseous fire-extinguishing systems — Physical properties and system design - Part 5: FK-5-1-12 extinguishant	ISO 14520-5:2019		Yes	Publicly Available
2.367	Components for fire-extinguishing systems using gas— Requirements and test methods — Container valve assemblies and their actuators; selector valves and their actuators; nozzles; flexible and rigid connectors; and check valves and non-return valves	ISO 16003:2008		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
2.368	Guidance on design, selection and installation of vents to safeguard the structural integrity of enclosures protected by gaseous fire-extinguishing systems	ISO/TS 21805:2018		Yes	Publicly Available
<b>3</b>	<b>Programme and Project Management Documentation</b>				
3.1	TBC	TBC			
<b>4</b>	<b>Intergrated Logistic Support (ILS) Documentation</b>				
4.1	Procedures Performing a Failure Mode	MIL-STD-1629A		Yes	Publicly Available
4.2	Electronic Reliability Design	MIL-HDBK-338B		Yes	Publicly Available
4.3	Logistic Support Analysis	ASD S3000L	NU	Yes	Publicly Available
4.4	Maintainability Verification/Demonstration/Evaluation	MIL-STD-471A		Yes	Publicly Available
4.5	NATO Guidance on Integrated Logistics Support	ALP 10-2016	NU	Yes	Publicly Available
4.6	International Specification for Integrated Product Support (IPS)	AIA/ASD SX000i		Yes	Publicly Available
4.7	Developing Dependability Requirements	ADMP-1	NU	Yes	Publicly Available
4.8	Guidance for Dependability in Service	ADMP-2	NU	Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
4.9	Designing and Developing Maintainable Products and Systems	MIL-HDBK-470A		Yes	Publicly Available
4.10	Logistic Support Analysis	MIL-STD-1388-1A		Yes	Publicly Available
4.11	Requirements for a Logistic Support Analysis Record	MIL-STD-1388-2B		Yes	Publicly Available
4.12	NATO Standard Bar Code Handbook	STANAG 4329/AAP-44(A)	NR	Yes	Please obtain through your National Delegation
4.13	Codification - Uniform System of Supply Classification	STANAG 3150	NU	Yes	Publicly Available
4.14	Codification - Uniform System of Item Identification	STANAG 3151	NU	Yes	Publicly Available
4.15	Codification - Uniform System of Data Acquisition	STANAG 4177	NU	Yes	Publicly Available
4.16	Codification - Uniform System of Exchange of Materiel	STANAG 4199	NU	Yes	Publicly Available
4.17	Manual of Codification - Uniform System of Dissemination of Data Associated with NATO Stock Numbers	STANAG 4438	NU	Yes	Publicly Available
4.18	NATO Packaging and Preservation	STANAG 4280	NU	Yes	Publicly Available
4.19	Marking for Item Storage and Transport	STANAG 4281	NU	Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
4.20	NATO Cryptographic Instructions	SDIP 293	NR	Yes	Please obtain through your National Delegation
4.21	EU Customs Declaration	Form 302		Yes	Publicly Available
<b>5</b>	<b>Security and Safety Documentation</b>				
5.1	Security within the NATO	C-M(2002)49-COR12	NU	No	Please obtain through your National Delegation
5.2	Security Committee - Directive on Classified Project and Industrial Security	AC/35-D/2003-REV5	NU	No	Please obtain through your National Delegation
5.3	C3B Technical and Implementation Directive on Supply Chain Security for COTS CIS Security Enforcing Products	AC/322-D(2017)0016 (INV)	NU	No	Please obtain through your National Delegation
5.4	Security Committee - Directive on the Security of Information	AC/35-D/2002-REV4	NU	No	Please obtain through your National Delegation

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
5.5	C3B INFOSEC technical and implementation directive for the interconnection of CIS	AC/322-D/0030-REV5	NR	No	Please obtain through your National Delegation
5.6	C3B Supporting document on the interconnectio of NR CIS to the Internet	AC-322-D(2010)0058	NR	No	Please obtain through your National Delegation
5.7	C3B Technical and Implementation Directive on CIS Security	AC/322-D/0048-REV3	NU	No	Please obtain through your National Delegation
5.8	Security within the North Atlantic Treaty Organisation	C-M(2002)49-REV1 (14 Nov 2020)	NU	Yes	Please obtain through your National Delegation
5.9	Directive on Personnel Security	C/35-D/2000-REV8 (25 Nov 2020)	NU	Yes	Please obtain through your National Delegation
5.10	Directive on Physical Security	AC/35-D/2001-REV3 (25 Jan 2020)	NU	Yes	Please obtain through your National Delegation

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
5.11	Guidelines on Physical Security	AC/35-D/1030 (20 May 2005)	NU	Yes	Please obtain through your National Delegation
5.12	Directive on the Security of Information	AC/35-D/2002-REV5 (25 Nov 2020 )	NU	Yes	Please obtain through your National Delegation
5.13	The Primary Directive on Information Management	C-M(2008)0113 (27 Nov 2008)	NU	Yes	Please obtain through your National Delegation
5.14	Rules Of Engagement For Security Audits Of NATO CIS	AC/35-N(2015)0022 (CISS) (20 Oct 2015)	NU	Yes	Please obtain through your National Delegation
5.15	Guidelines for Security Inspections	AC/35-D/1016-REV3 (24 August 2017)	NU	Yes	Please obtain through your National Delegation
5.16	Guidelines for Security Risk Management (SRM) of Communication and Information Systems (CIS)	AC/35-D/1017-REV3 (29 Jun 2017)	NU	Yes	Please obtain through your National Delegation

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
5.17	Guidelines for the Development of Security Requirements Statements (SRSs)	AC/35-D/1015-REV3 (31 Jan 2012)	NR	Yes	Please obtain through your National Delegation
5.18	Guidelines for the Structure and Content of Security Operating Procedures (SecOPs) for CIS	AC/35-D/1014-REV3 (31 Jan 2012)	NU	Yes	Please obtain through your National Delegation
5.19	Guidelines on Business Continuity Planning For Communication and Information Systems (CIS)	AC/35-D/1039 (08 Oct 2008)	NR	Yes	Please obtain through your National Delegation
5.20	Guidelines for the Security Evaluation and Certification of Communication and Information Systems (CIS)	AC/35-D/1019-REV1 (12 Dec 2008)	NU	Yes	Please obtain through your National Delegation
5.21	Guidelines for the Security Accreditation of Communication and Information Systems (CIS)	AC/35-D/1021-REV3 (31 Jan 2012)	NU	Yes	Please obtain through your National Delegation
5.22	INFOSEC Technical and Implementation Directive for the Interconnection of Communication and Information Systems CIS	AC/322-D/0030-REV5 (23 Feb 2011)	NU	Yes	Please obtain through your National Delegation

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
5.23	Directive for Transmission Security	AC/322-D/0049-REV1 (29 Nov 2018)	NR	Yes	Please obtain through your National Delegation
5.24	Technical and Implementation Directive on Emission Security.	AC/322-D(2019)0021 (25 April 2019)	NR	Yes	Please obtain through your National Delegation
5.25	Technical and Implementation Directive on CIS Security	AC/322-D/0048-Rev3 (18 Nov 2019)	NU	Yes	Please obtain through your National Delegation
5.26	Management Directive on CIS Security	AC/35-D/2005-REV3 (12 Oct 2015)	NU	Yes	Please obtain through your National Delegation
5.27	Technical and Implementation Directive on Supply Chain Security for COTS CIS Security Enforcing Products	AC/322-D(2017)0016 (30 March 2017)	NU	Yes	Please obtain through your National Delegation
5.28	Technical and Implementation Directive on Introducing Secure Systems and Solutions Using Commercial Off the Shelf (COTS) Products into NATO	AC/322-D(2019)0041 (1 October 2019)	NU	Yes	Please obtain through your National Delegation

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
5.29	UK MoD Defence Manual of Security	Joint Service Publication (JSP) 440	UK Official	Yes	Please obtain through your National Delegation
5.30	Cable Separation	SDIP-29/2	NR	Yes	Please obtain through your National Delegation
5.31	NATO Security Policy, The Directive on Physical Security	AC/35-D/2001 dated 17 June 2002	NU	Yes	Please obtain through your National Delegation
<b>6</b>	<b>Tools and Databases</b>				
6.1	Topographical Data (UK Sites)	ESRI Arc GIS software		No	Publicly Available
<b>7</b>	<b>Allied Quality Assurance Publications</b>				
7.1	Mutual Acceptance of Government Quality Assurance and Usage of The Allied Quality Assurance Publications (AQAP), 16 December 2019	STANAG 4107 (Edition 11)	NU	No	Publicly Available
7.2	Allied Quality Assurance Publication, NATO Integrated Quality Requirements for Software Throughout the LifeCycle	AQAP-160 (Ed. 1)	NU	Yes	Publicly Available
7.3	NATO Guidance on the use of AQAP-160	AQAP-169 (Ed. 1)	NU	Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
7.4	NATO Policy on an Integrated Systems Approach to Quality Through the Life Cycle	AQAP-2000 (Ed. 3)	NU	Yes	Publicly Available
7.5	NATO Guidance on the Use of the AQAP 2000 Series	AQAP-2009 (Ed. 3)	NU	Yes	Publicly Available
7.6	NATO Project Assessment Model	AQAP-2050 (Ed. 1)	NU	Yes	Publicly Available
7.7	NATO Mutual Government Quality Assurance (GQA) Process	AQAP-2070 (Ed. B Ver.4)	NU	Yes	Publicly Available
7.8	NATO Requirements for Quality Plans	AQAP-2105 (Ed. C Ver.1)	NU	Yes	Publicly Available
7.9	NATO Quality Assurance Requirements for Design, Development and Production	AQAP-2110 (Ed.D, Ver.1)	NU	Yes	Publicly Available
7.10	NATO Quality Assurance Requirements for Production	AQAP-2120 (Ed. 3)	NU	Yes	Publicly Available
7.11	NATO Quality Assurance Requirements for Inspection and Test	AQAP-2130 (Ed. 3)	NU	Yes	Publicly Available
7.12	NATO Quality Assurance Requirements for Final Inspection and Test	AQAP-2131 (Ed. C, Ver. 1)	NU	Yes	Publicly Available
7.13	NATO Supplementary Software Quality Assurance Requirements to AQAP-2110 or AQAP-2310	AQAP-2210 (Ed. A, Ver. 2)	NU	Yes	Publicly Available
7.14	NATO Language Proficiency Levels, 15 December 2014	STANAG 6001, Edition 5	NU	Yes	Publicly Available
7.15	Software Life Cycle Process	ISO/IEC 12207		Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
7.16	Systems and Software Engineering – System Life Cycle Process	ISO/IEC 15288		Yes	Publicly Available
7.17	NATO Quality Management System Requirements for Aviation, Space and Defence Suppliers	AQAP 2310	NU	Yes	Publicly Available
7.18	International Standards	9000 Series		Yes	Publicly Available
7.19	International Standard	10012-1 (ISO-10012-1)		Yes	Publicly Available
7.20	Applicable NATO Standardisation Agreements	N/A	NU	Yes	Publicly Available
7.21	Mutual Acceptance of Government Quality Assurance and usage of the Allied Quality Assurance Publications (AQAP)	STANAG 4107 (Edit 11)		Yes	Publicly Available
7.22	Configuration Management in System Life Cycle	STANAG 4427 (ACMP-2000 EDITION A & ACMP-2009 EDITION A & ACMP-2100 EDITION A )	NU	Yes	Publicly Available
<b>8</b>	<b>Health and Safety</b>				
8.1	Ladders. Terms, types, functional sizes	EN 131-1:2015+A1:2019	NU	Yes	Publicly Available
8.2	Ladders. Part 2: Requirements, testing, marking	EN 131-2:2010+A2:2017	NU	Yes	Publicly Available
8.3	Ladders. Marking and user instructions	EN 131-3:2018	NU	Yes	Publicly Available
8.4	Personal Protective Equipment (PPE)	Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016	NU	Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
8.5	General Product Safety	Directive 2001/95/EC of the European Parliament and of the Council of 3 December 2001	NU	Yes	Publicly Available
8.6	Low Voltage Directive	Directive 2014/35/EU of the European Parliament and of The Council of 26 February 2014	NU	Yes	Publicly Available
8.7	Restriction of the use of certain hazardous substances in electrical and electronic equipment	Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011	NU	Yes	Publicly Available
8.8	Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006	NU	Yes	Publicly Available
8.9	Protection against the dangers arising from exposure to ionising radiation	Council Directive 2013/59/Euratom of 5 December 2013	NU	Yes	Publicly Available
8.10	Harmonisation of the laws of the Member States relating to electromagnetic compatibility	Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014	NU	Yes	Publicly Available
8.11	Information technology equipment – Safety	IEC 60950 series	NU	Yes	Publicly Available
8.12	Functional safety of electrical/ electronic/ programmable electronic safety-related systems	IEC 61580 (parts 1 to 7):2010	NU	Yes	Publicly Available
8.13	Electric cables - Halogen-free, low smoke, thermoplastic insulated and sheathed cables of rated voltages up to and including 450/750V	IEC 62821 series	NU	Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
8.14	Electromagnetic compatibility (EMC)	IEC 61000 series	NU	Yes	Publicly Available
8.15	CSV – Degrees of protection provided by enclosures (IP Code)	IEC 60529 and AMD1: 1999 and AMD2 2013	NU	Yes	Publicly Available
8.16	Electrostatics. Protection of electronic devices from electrostatic phenomena	EN 61340-5-1:2016	NU	Yes	Publicly Available
8.17	Systems Safety	MIL-STD-882E 2012	NU	Yes	Publicly Available
8.18	DoD Design Criteria Standard, Human Engineering	MIL-STD-1472G 2012	NU	Yes	Publicly Available
8.19	Safety of machinery – General principles for design – Risk assessment and risk reduction	ISO 12100:2010	NU	Yes	Publicly Available
8.20	Regulations/compliance on cables on non-toxic, halogen-free, non-inflammable coatings	IEC 60332	NU	Yes	Publicly Available
8.21	Regulations/compliance on cables on non-toxic, halogen-free, non-inflammable coatings	IEC 62821 series	NU	Yes	Publicly Available
8.22	Regulations/compliance on cables on non-toxic, halogen-free, non-inflammable coatings	IEC 60754	NU	Yes	Publicly Available
8.23	Power cabling and electrical installations shall comply with European safety rules	IEC 61008	NU	Yes	Publicly Available
8.24	Power cabling and electrical installations shall comply with European safety rules	IEC 61009	NU	Yes	Publicly Available
8.25	Power cabling and electrical installations shall comply with European safety rules	IEC 60950 series	NU	Yes	Publicly Available
8.26	Power cabling and electrical installations shall comply with European safety rules	IEC 60364	NU	Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
8.27	Protected from electrostatic phenomena	IEC 61340	NU	Yes	Publicly Available
8.28	Dimensioning of the bending radius of cables	VDE 0298, part 3	NU	Yes	Publicly Available
8.29	RF Exposure Levels	STANAG 2345		Yes	Publicly Available
8.30	Noise Levels	Environmental Noise Directive (2003/10/EC)	NU	Yes	Publicly Available
8.31	Harmonisation of the laws of the Member States relating to electromagnetic compatibility	Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014	NU	Yes	Publicly Available
8.32	Requirements for the Control of Electromagnetic Interference Characteristics of Sub-Systems and Equipment	MIL-STD-461-G	NU	Yes	Publicly Available
8.33	Electrostatic discharge	EN 61000-4-2	NU	Yes	Publicly Available
8.34	Lightning Protection	International Electro technical Commission (IEC)-62305:2020 series.	NU	Yes	Publicly Available
8.35	Leaflet 254 atmospheric electricity and lightning.	STANAG 4370 edition 6, AECTP 250	NU	Yes	Publicly Available
8.36	Appropriate Surge Protection Devices (SPD) and other lightning protection measures	EN 61643-11:2011, IEC 61643-12:2020, IEC 61643-21:2000+AMD1:2008+AMD2:2012 CSV, IEC 61643-22:2015 and IEC 62305:2020 series	NU	Yes	Publicly Available

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
8.37	effects of induced currents into a system	EN 61000-4-5:2014 + A1:2017, Limit: Level 4	NU	Yes	Publicly Available
8.38	Standard of Workmanship	MIL-STD-454		Yes	Publicly Available
8.39	Standards on the approximation of the laws of the Member States relating to electromagnetic compatibility	EC Council Directive 89/336/EEC		Yes	Publicly Available
<b>9</b>	<b>Configuration Management</b>				
9.1	NATO Guidance on Configuration Management	ACMP-2009		Yes	Publicly Available
<b>10</b>	<b>Training</b>				
10.1	Education and Individual Training Directive	BiSC D-075-007, 2015	NU	Yes	Publicly Available
10.2	Military Training Programmes	MIL-STD-1379		Yes	Publicly Available
<b>11</b>	<b>Site Survey Photos and Documentation</b>				
11.1	United Kingdom - Site Survey Photos and Documentation	RRH Benbecula - New SSSB Room	UK-R	No	Yes
11.2	United Kingdom - Site Survey Photos and Documentation	RRH Benbecula - Other Internal		No	Yes
11.3	United Kingdom - Site Survey Photos and Documentation	RRH Benbecula - Site Exterior		No	Yes
11.4	United Kingdom - Site Survey Photos and Documentation	RRH Benbecula - Antenna Field		No	Yes
11.5	United Kingdom - Site Survey Photos and Documentation	RRH Benbecula - Cable Access Points		No	Yes

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
11.6	United Kingdom - Site Survey Photos and Documentation	RRH Benbecula - Comms Room		No	Yes
11.7	United Kingdom - Site Survey Photos and Documentation	RRH Benbecula - Generator		No	Yes
11.8	United Kingdom - Site Survey Photos and Documentation	RRH Benbecula - HVAC Room		No	Yes
11.9	United Kingdom - Site Survey Photos and Documentation	RRH Benbecula - Main PDP Room		No	Yes
11.10	United Kingdom - Site Survey Photos and Documentation	RRH Benbecula - Land Quality Assessment		No	Yes
11.11	United Kingdom - Site Survey Photos and Documentation	RRH Benbecula - Ground Floor Plan		No	Yes
11.12	United Kingdom - Site Survey Photos and Documentation	RRH Benbecula - Benbecula Masts		No	Yes
11.13	United Kingdom - Site Survey Photos and Documentation	RRH Portreath - Power Distribution		No	Yes
11.14	United Kingdom - Site Survey Photos and Documentation	RRH Portreath - Power Sub Station		No	Yes
11.15	United Kingdom - Site Survey Photos and Documentation	RRH Portreath - SSSB Compound - Exterior		No	Yes
11.16	United Kingdom - Site Survey Photos and Documentation	RRH Portreath - SSSB Shelter		No	Yes
11.17	United Kingdom - Site Survey Photos and Documentation	RRH Portreath - Storage Space		No	Yes

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
11.18	United Kingdom - Site Survey Photos and Documentation	RRH Portreath - Bunker		No	Yes
11.19	United Kingdom - Site Survey Photos and Documentation	RRH Portreath - Crew Building		No	Yes
11.20	United Kingdom - Site Survey Photos and Documentation	RRH Portreath - Current Antennas		No	Yes
11.21	United Kingdom - Site Survey Photos and Documentation	RRH Portreath - Land Quality Assessment		No	Yes
11.22	United Kingdom - Site Survey Photos and Documentation	RRH Portreath - Fire Alarm System Layout		No	Yes
11.23	United Kingdom - Site Survey Photos and Documentation	RRH Portreath - Site Map		No	Yes
11.24	United Kingdom - Site Survey Photos and Documentation	RRH Portreath - SSSB Compound Video (with Sound)		No	Yes
11.25	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - Sumburgh Hotel (Airport)		No	Yes
11.26	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - Transformer		No	Yes
11.27	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - Unst Yell Car Ferry		No	Yes
11.28	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - UPS		No	Yes
11.29	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - Antenna Field - North of Main Site		No	Yes

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
11.30	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - Baltasound Hotel		No	Yes
11.31	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - Crew Room		No	Yes
11.32	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - Generator		No	Yes
11.33	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - Main PDP		No	Yes
11.34	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - Main Site Antenna Fields		No	Yes
11.35	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - RF Ducting		No	Yes
11.36	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - SSSB Shelter		No	Yes
11.37	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - HVAC		No	Yes
11.38	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - Land Quality Assessment		No	Yes
11.39	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - Environmental and Planning Portal Great Britain - Saxa Vord (Diagram)		No	Yes
11.40	United Kingdom - Site Survey Photos and Documentation	RRH Saxa Vord - Building H-SC - Fire Panel Locations (Diagram)		No	Yes
11.41	Netherlands - Site Survey Photos and Documentation	Julianadorp (R20)		No	Yes

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
11.42	Netherlands - Site Survey Photos and Documentation	Den Helder (Albatros)		No	Yes
11.43	Netherlands - Site Survey Photos and Documentation	NL MOD Provided Site Photos - Julianadorp (R20)		No	Yes
11.44	Netherlands - Site Survey Photos and Documentation	NL MOD Provided Site Photos - Noordwijk		No	Yes
11.45	Netherlands - Site Survey Photos and Documentation	NL MOD Provided Site Photos - Zeewolde		No	Yes
11.46	Netherlands - Site Survey Photos and Documentation	NL MOD Provided Site Documents - R20 New Sitation Upgrade SSSB		No	Yes
11.47	Netherlands - Site Survey Photos and Documentation	NL MOD Provided Site Documents - Site Information Receive Site Noordwijk		No	Yes
11.48	Netherlands - Site Survey Photos and Documentation	NL MOD Provided Site Documents - Site Information Transit Site Julianadorp		No	Yes
11.49	Netherlands - Site Survey Photos and Documentation	NL MOD Provided Site Documents - Zeewolde		No	Yes
11.50	Netherlands - Site Survey Photos and Documentation	Noordwijk - Antenna Fields		No	Yes
11.51	Netherlands - Site Survey Photos and Documentation	Zeewolde - PDP and Control Room		No	Yes
11.52	Netherlands - Site Survey Photos and Documentation	Zeewolde - RF Cabling		No	Yes
11.53	Netherlands - Site Survey Photos and Documentation	Zeewolde - Site Access and Antenna Fields		No	Yes

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
11.54	Netherlands - Site Survey Photos and Documentation	Zeewolde - Technical Room		No	Yes
11.55	Netherlands - Site Survey Photos and Documentation	Zeewolde - Tx Room		No	Yes
11.56	Greece -Site Survey Photos and Documentation	Crete - Mavros - Antenna Fields		No	Yes
11.57	Greece -Site Survey Photos and Documentation	Crete - Mavros - Building Roof Turrets		No	Yes
11.58	Greece -Site Survey Photos and Documentation	Crete - Mavros - DLOS		No	Yes
11.59	Greece -Site Survey Photos and Documentation	Crete - Mavros - Equipment Room		No	Yes
11.60	Greece -Site Survey Photos and Documentation	Crete - Mavros - Fence		No	Yes
11.61	Greece -Site Survey Photos and Documentation	Crete - Mavros - Fire Extinguishing System		No	Yes
11.62	Greece -Site Survey Photos and Documentation	Crete - Mavros - Generator		No	Yes
11.63	Greece -Site Survey Photos and Documentation	Crete - Mavros - HVAC		No	Yes
11.64	Greece -Site Survey Photos and Documentation	Crete - Mavros - Manholes		No	Yes
11.65	Greece -Site Survey Photos and Documentation	Crete - Mavros - PDP		No	Yes

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
11.66	Greece -Site Survey Photos and Documentation	Crete - Mavros - Site Gate		No	Yes
11.67	Greece -Site Survey Photos and Documentation	Crete - Mavros - Overview Video (with Sound)		No	Yes
11.68	Greece -Site Survey Photos and Documentation	Crete - Road Junction - Fibre Optics		No	Yes
11.69	Greece -Site Survey Photos and Documentation	Crete - Sideros - Access Road		No	Yes
11.70	Greece -Site Survey Photos and Documentation	Crete - Sideros - Antenna Fields		No	Yes
11.71	Greece -Site Survey Photos and Documentation	Crete - Sideros - Current Building		No	Yes
11.72	Greece -Site Survey Photos and Documentation	Crete - Sideros - DLOS Mast		No	Yes
11.73	Greece -Site Survey Photos and Documentation	Crete - Sideros - Equipment Room		No	Yes
11.74	Greece -Site Survey Photos and Documentation	Crete - Sideros - Fire Control Systems		No	Yes
11.75	Greece -Site Survey Photos and Documentation	Crete - Sideros - Generator		No	Yes
11.76	Greece -Site Survey Photos and Documentation	Crete - Sideros - HVAC		No	Yes
11.77	Greece -Site Survey Photos and Documentation	Crete - Sideros - Manholes		No	Yes

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
11.78	Greece -Site Survey Photos and Documentation	Crete - Sideros - PDP		No	Yes
11.79	Greece -Site Survey Photos and Documentation	Crete - Sideros - Transformer		No	Yes
11.80	Greece -Site Survey Photos and Documentation	Crete - Sideros - UPS		No	Yes
11.81	Greece -Site Survey Photos and Documentation	Crete - Sideros - Site Overview Video (with Sound)		No	Yes
11.82	Greece -Site Survey Photos and Documentation	Kythira (NE47) - Access Road		No	Yes
11.83	Greece -Site Survey Photos and Documentation	Kythira (NE47) - Antenna Fields		No	Yes
11.84	Greece -Site Survey Photos and Documentation	Kythira (NE47) - Fencing to be replaced		No	Yes
11.85	Greece -Site Survey Photos and Documentation	Kythira (NE47) - New Build Location		No	Yes
11.86	Greece -Site Survey Photos and Documentation	Kythira (NE47) - Power Cable Route		No	Yes
11.87	Greece -Site Survey Photos and Documentation	Kythira (NE47) - Power Distribution		No	Yes
11.88	Greece -Site Survey Photos and Documentation	Kythira (NE47) - Site Layout Drawings		No	Yes
11.89	Greece -Site Survey Photos and Documentation	Skyros - 7th AF Radar Station - DLOS		No	Yes

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
11.90	Greece -Site Survey Photos and Documentation	Skyros - 7th AF Radar Station - Equipment Room		No	Yes
11.91	Greece -Site Survey Photos and Documentation	Skyros - 7th AF Radar Station - PDP		No	Yes
11.92	Greece -Site Survey Photos and Documentation	Skyros - 7th AF Radar Station - Power Generator Room		No	Yes
11.93	Greece -Site Survey Photos and Documentation	Skyros - 7th AF Radar Station - RF Ducting		No	Yes
11.94	Greece -Site Survey Photos and Documentation	Skyros - Kartsinoudi - Access Road		No	Yes
11.95	Greece -Site Survey Photos and Documentation	Skyros - Kartsinoudi - Antennas		No	Yes
11.96	Greece -Site Survey Photos and Documentation	Skyros - Kartsinoudi - Automatic Fire Supression System		No	Yes
11.97	Greece -Site Survey Photos and Documentation	Skyros - Kartsinoudi - DLOS		No	Yes
11.98	Greece -Site Survey Photos and Documentation	Skyros - Kartsinoudi - Equipment Room		No	Yes
11.99	Greece -Site Survey Photos and Documentation	Skyros - Kartsinoudi - Fencing		No	Yes
11.100	Greece -Site Survey Photos and Documentation	Skyros - Kartsinoudi - Fuel Tank		No	Yes
11.101	Greece -Site Survey Photos and Documentation	Skyros - Kartsinoudi - Generator		No	Yes

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
11.102	Greece -Site Survey Photos and Documentation	Skyros - Kartsinouidi - HVAC		No	Yes
11.103	Greece -Site Survey Photos and Documentation	Skyros - Kartsinouidi - Main Building		No	Yes
11.104	Greece -Site Survey Photos and Documentation	Skyros - Kartsinouidi - MPDB		No	Yes
11.105	Greece -Site Survey Photos and Documentation	Skyros - Kartsinouidi - PDP		No	Yes
11.106	Greece -Site Survey Photos and Documentation	Skyros - Kartsinouidi - RF Cabling and Routing		No	Yes
11.107	Greece -Site Survey Photos and Documentation	Skyros - Kartsinouidi - Transformer		No	Yes
11.108	Greece -Site Survey Photos and Documentation	Skyros - Kartsinouidi - Site Overview Video (with Sound)		No	Yes
11.109	Greece -Site Survey Photos and Documentation	Skyros - Limnonari - Access Road		No	Yes
11.110	Greece -Site Survey Photos and Documentation	Skyros - Limnonari - Antennas		No	Yes
11.111	Greece -Site Survey Photos and Documentation	Skyros - Limnonari - DLOS		No	Yes
11.112	Greece -Site Survey Photos and Documentation	Skyros - Limnonari - Equipment Room		No	Yes
11.113	Greece -Site Survey Photos and Documentation	Skyros - Limnonari - Fire Control System		No	Yes

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
11.114	Greece -Site Survey Photos and Documentation	Skyros - Limnonari - Fuel Tank		No	Yes
11.115	Greece -Site Survey Photos and Documentation	Skyros - Limnonari - Generator		No	Yes
11.116	Greece -Site Survey Photos and Documentation	Skyros - Limnonari - HVAC		No	Yes
11.117	Greece -Site Survey Photos and Documentation	Skyros - Limnonari - Main Building		No	Yes
11.118	Greece -Site Survey Photos and Documentation	Skyros - Limnonari - PDP		No	Yes
11.119	Greece -Site Survey Photos and Documentation	Skyros - Limnonari - PDP next to UPS		No	Yes
11.120	Greece -Site Survey Photos and Documentation	Skyros - Limnonari - RF Cabling		No	Yes
11.121	Greece -Site Survey Photos and Documentation	Skyros - Limnonari - Site Gate and Fences		No	Yes
11.122	Greece -Site Survey Photos and Documentation	Skyros - Limnonari - UPS		No	Yes
11.123	Greece -Site Survey Photos and Documentation	Skyros - Limnonari - Site Overview Video (with Sound)		No	Yes
11.124	Site Information Data Package - United Kingdom	20220131-NR-IFB-CO-15577-SSSB-Book-2 - Part 4 - SOW - ANNEX B - SIDP - UK	NR	Yes	Yes
11.125	Site Information Data Package - Netherlands	20220131-NR-IFB-CO-15577-SSSB-Book-2 - Part 4 - SOW - ANNEX E - SIDP - NLD	NR	Yes	Yes

A. Serial	B. Title/Subject	C. Reference	D. Classification	E. Referenced in SE & I, SOW	F. Bidders Library
11.126	Site Information Data Package - Greece	20220131-NR-IFB-CO-15577-SSSB-Book-2 - Part 4 - SOW - ANNEX H - SIDP - GRC	NR	Yes	Yes

- 1.6.5. Bidders are cautioned that The Bidders Library **includes data/information that cannot be disclosed or re-transferred outside SSSB prospective Bidders**, and cannot be duplicated, used, disclosed, or re-transferred – in whole or in part – for any purpose other than for internal bidding purposes of the SSSB prospective Bidders, unless otherwise expressly authorized by NCI Agency. The Bidders Library contains NU and NR documents that may be useful to understand and meet the requirements developed in the Bidding documents.
- 1.6.6. The Contract invokes a variety of Standard NATO Agreements (STANAGS) and Military and former Standards (MIL-STDs). While these are contractually binding reference documents, there are national and international standards that are considered to be equivalent and are cited as such within these documents. Where there exists a national or international standard that is not specifically referenced in the STANAGs or MIL-STDs as being equivalent, the Contractor may propose to utilise such a standard if he can demonstrate to the satisfaction of the Purchaser that such a standard is equivalent to the STANAG or MIL-STD in question. The Purchaser, however, reserves the right to deny such a request and demand performance in accordance with the standard cited in the Contract.
- 1.7. Bidders Conference**
- 1.7.1. Bidders shall note that NCI Agency envisages a 2-days Bidders Conference for this IFB, which is planned to occur on **5-6 April 2022, in Brussels, Belgium**.
- 1.7.2. A limited number of three (3) places shall be reserved for each prospective Bidder. Participants shall be required to confirm their participation with minimum 2 weeks in advance.
- 1.7.3. Travel arrangements, including accommodation and their corresponding costs, shall be the responsibility of the prospective Bidders.
- 1.7.4. The results of the Bidders Conference shall be provided, in writing, to all Bidders, either at the Conference or immediately thereafter, via e-mail.
- 1.7.5. Further organizational details shall be provided later.

## SECTION 2. GENERAL BIDDING INFORMATION

### 2.1. Definitions

- 2.1.1. In addition to the definitions and acronyms set in Clause 1 of Part II of the prospective Contract and the definitions and acronyms set in the Clause entitled "Definitions" of the NCIO General Contract Provisions (Part III), the following terms and acronyms, as used in this Invitation for Bid shall have the meanings specified below:
- 2.1.1.1. "Bidder": a firm, consortium, or joint venture which submits an offer in response to this solicitation. Bidders are at liberty to constitute themselves into any form of Contractual arrangements or legal entity they desire, bearing in mind that in consortium-type arrangements a single judicial personality shall be established to represent that legal entity. A legal entity, such as an individual, Partnership or Corporation, herein referred to as the "Principal Contractor", shall represent all members of the consortium with the NCI Agency and/or NATO. The "Principal Contractor" shall be vested with full power and authority to act on behalf of all members of the consortium, within the prescribed powers stated in an irrevocable Power of Attorney issued to the "Principal Contractor" by all members associated with the consortium. Evidence of authority to act on behalf of the consortium by the "Principal Contractor" shall be enclosed and sent with the Bid. Failure to furnish proof of authority shall be a reason for the Bid being declared non-compliant.
- 2.1.1.2. "Compliance": strict conformity to the requirements and standards specified in this IFB and its attachments.
- 2.1.1.3. "Contractor": the awardee of this solicitation of offers, which shall be responsible for the fulfilment of the requirements established in the prospective Contract.
- 2.1.1.4. "Firm of a Participating Country": an eligible firm legally constituted or chartered under the laws of, and geographically located in, or falling under the jurisdiction of, a Participating Country.
- 2.1.1.5. "Participating Country": any of the NATO nations contributing to the project, namely, (in alphabetical order): ALBANIA, BELGIUM, BULGARIA, CANADA, CROATIA, CZECH REPUBLIC, DENMARK, ESTONIA, FRANCE, GERMANY, GREECE, HUNGARY, ICELAND, ITALY, LATVIA, LITHUANIA, LUXEMBOURG, THE NETHERLANDS, NORWAY, POLAND, PORTUGAL, ROMANIA, SLOVAKIA, SLOVENIA, SPAIN, TURKEY, THE UNITED KINGDOM, and THE UNITED STATES.

2.1.1.6. "Quotation" or "Bid": a binding offer to perform the work specified in the attached prospective Contract (Book II)

2.1.1.7. "IFB": Invitation for Bid

## **2.2. Eligibility and Origin of Equipment and Services**

2.2.1. As stated in paragraph 1.4.1 above, only firms from a Participating Country are eligible to engage in this competitive Bidding process. In addition, all Contractors, sub-Contractors and manufacturers, at any tier, must be from Participating Countries.

2.2.2. None of the work, including project design, labour and services shall be performed other than by firms from and within Participating Countries.

2.2.3. No materials or items of equipment down to and including identifiable Sub-assemblies shall be manufactured or assembled by a firm other than from and within a Participating Country.

2.2.4. Unless otherwise authorised by the terms of the prospective Contract, the Intellectual Property Rights to all design documentation and related system operating software shall reside in NATO member countries, and no license fees or royalty charges shall be paid by the Contractor to firms, individuals or governments other than within the NATO member community.

## **2.3. Bid Delivery and Bid Closing**

2.3.1. The Bid Closing Date for the electronic submission of Bids in response to this IFB is **Friday, August 19, 2022 at 14:00 Hours Central European Time (CET)**.

2.3.2. Bids shall be submitted to the following e-mail address:

2.3.2.1. IFB-CO-15577-SSSB@ncia.nato.int

2.3.3. A further e-mail shall be sent immediately thereafter to Martin.Steenwege@ncia.nato.int, to confirm the submission of the Bid to the e-mail address in paragraph 2.3.2.1. This follow-up e-mail shall only constitute a confirmation message and shall not include any bidding documents.

## **2.4. Late Bids**

2.4.1. Bids received at the NCIA e-mail address in paragraph 2.3.2.1 after the date and time indicated in paragraph 2.3.1 may not be eligible for award.

2.4.2. Consideration of Late Bid

- 2.4.3. The Purchaser considers that it is the responsibility of the Bidder to ensure that the bid submission arrives by the specified Bid Closing Date. A late Bid will only be considered for award under the following circumstances:
- 2.4.3.1.1. A contract has not already been awarded pursuant to the IFB, and;
  - 2.4.3.1.2. the Bid was sent to the correct e-mail specified in paragraph 2.3.2.1 above, and;
  - 2.4.3.1.3. the delay was due solely to the fault of the Purchaser.
- 2.4.4. Receipt of an Unreadable Electronic Bid
- 2.4.5. If a bid received at the NCI Agency's facility by electronic data interchange is unreadable to the degree that conformance to the essential requirements of the solicitation cannot be ascertained, or due to Bidder's submission, in contravention of these bidding instructions, of electronic files that are encrypted or which contain passwords, the Contracting Officer (CO) shall immediately notify the Bidder that the Bid will be rejected unless the Bidder provides clear and convincing evidence:
- 2.4.5.1.1. of the content of the Bid as originally submitted, and;
  - 2.4.5.1.2. that the unreadable condition of the Bid was caused by Purchaser software or hardware error, malfunction, or other Purchaser mishandling.
- 2.4.6. A Bid that fails to conform to the above requirements may be declared noncompliant and may not be evaluated further by the Purchaser.
- 2.4.7. If it is discovered, during either the Administrative, Price or Technical evaluation, that the Bidder has submitted an unreadable electronic bid, the Bidder may be determined to have submitted a non-compliant bid.
- 2.5. Requests for Extension of Bid Closing Date**
- 2.5.1. Bidders are informed that requests for extension to the Bid Closing Date for the IFB shall be submitted to IFB-CO-15577-SSSB@ncia.nato.int, with copy to Martin.Steenwege@ncia.nato.int. Any request for extension shall be submitted by the Bidder no later than fourteen (14) days prior to the established Bid Closing Date.
- 2.6. Purchaser's Point of Contact**
- 2.6.1. The Purchaser point of contact for all information concerning this Invitation for Bid is:
- 2.6.1.1. Mr. Martin Steenwege, Senior Contracting Officer, Acquisition

2.6.1.2. E-mail address: IFB-CO-15577-SSSB@ncia.nato.int, with copy to Martin.Steenwege@ncia.nato.int

## **2.7. Request for IFB Clarifications**

2.7.1. Bidders, at the earliest stage possible during the course of the solicitation period, are encouraged to query and seek clarification of any matters of a Contractual, administrative and technical nature pertaining to this IFB.

2.7.2. All questions and requests for clarification shall be forwarded to the Purchaser via email using the Clarification Request Form provided at Annex E of this Book I. Such questions shall be forwarded to the points of contact specified in paragraph 2.6.1 above and shall be received not later than twenty eight (28) calendar days prior to the stated Bid Closing Date. The Purchaser is under no obligation to answer questions submitted after this time. Requests for clarification must address the totality of the concerns of the Bidder for any given area, as the Bidder will generally not be permitted to revisit areas of the IFB for additional clarification except as noted in 2.7.3 below.

2.7.3. Additional requests for clarification are limited only to the information provided as answers by the Purchaser to Bidder requests for clarification. Such additional requests shall arrive not later than fourteen (14) calendar days before the established Bid Closing Date.

2.7.4. It is the responsibility of the Bidders to ensure that all Clarification Requests submitted bear no mark, logo or any other form or sign that may lead to reveal the Bidders' identity in the language constituting the clarification itself. This prescription is not applicable to the means used for the transmission of the clarification (i.e. e-mail or form by which the clarification is forwarded).

2.7.5. The Purchaser declines all responsibilities associated to any and all circumstances regardless of the nature or subject matter arising from the Bidders' failure or inability to abide to the prescription in paragraph 2.7.4.

2.7.6. The Purchaser may provide for the removal of any form of identification in the body of the clarification request in those instances in which such practice is feasible as well as providing for a re-wording of the clarification request in those cases in which the original language submitted is deemed ambiguous, unclear, subject to different interpretation or revelatory of the Bidders identity.

2.7.7. Bidders are advised that subsequent questions and/or requests for clarification included in a Bid shall neither be answered nor considered for evaluation and may be considered by the Purchaser as grounds for a determination of non-compliance.

- 2.7.8. Except as provided above, all questions will be answered by the Purchaser and the questions and answers will be issued in writing to all prospective Bidders.
- 2.7.9. The published answers issued by the Purchaser shall be regarded as the authoritative interpretation of the Invitation for Bid. Amendment to the language of the IFB included in the answers shall be incorporated in the Bidders offer.
- 2.7.10. Where the extent of the changes implied by the response to a clarification request is of such a magnitude that the Purchaser deems necessary to issue revised documentation, the Purchaser will do so by the mean of the issuance of a formal IFB amendment in accordance with paragraph 2.9 below.
- 2.7.11. The Purchaser reserves the right to reject clarification requests clearly devised or submitted for the purpose of artificially obtaining an extension of the bidding time (i.e. clarifications re-submitted using different wording where such wording does not change the essence of the clarification being requested).
- 2.8. Requests for Waivers and Deviations**
- 2.8.1. Requests for alterations to, waivers or deviations from the terms or conditions of the Invitation for Bid or the Prospective Contract may only be considered as part of the clarification process set forth in paragraph 2.7 above. Requests for alterations to the specifications, terms and conditions of the Contract which are included in a Bid as submitted may be regarded by the Purchaser as a qualification or condition of the Bid and may be grounds for a determination of non-compliance.
- 2.9. Amendment of the Invitation for Bid**
- 2.9.1. The Purchaser may revise, amend or correct the terms, conditions and/or specifications and provisions of the IFB at any time prior to Bid Closing Date. Any and all modifications will be transmitted to all Bidders by an official amendment designated as such and signed by the Contracting Authority. Such amendment may be accompanied by an acknowledgement of receipt which the Bidder shall complete and forward to the Purchaser. Alternatively the Purchaser may provide for an automatic reception notification mechanism within its electronic transmission (i.e. email receipt) . This process of IFB amendment issuance may be part of the clarification procedures set forth in paragraph 2.7 above or be an independent action on the part of the Purchaser.
- 2.9.2. The Purchaser will consider the potential impact of amendments on the ability of prospective Bidders to prepare a proper Bid within the allotted

time. The Purchaser may extend the Bid Closing Date at its discretion and such extension will be set forth in the amendment document.

- 2.9.3. All revision or amendments issued by the Purchaser shall also be acknowledged by the Bidder in its Bid by completing the "Acknowledgement of Receipt of IFB Amendments" at Annex B-2. Failure to acknowledge receipt of all amendments may be grounds to determine the Bid to be non-compliant.

## **2.10. Modification and Withdrawal of Bids**

- 2.10.1. Bids, once submitted, may be modified by Bidders, but only to the extent that the modifications are in writing, conform to the requirements of the IFB, and are received by the Purchaser prior to the exact time and date established for Bid Closing. Such modifications shall be considered as an integral part of the submitted Bid.

- 2.10.2. Modifications to Bids which arrive after the Bid Closing Date will be considered as "Late Modifications" and will be processed in accordance with the procedure set forth above concerning "Late Bids", except that unlike a "Late Bid", the Purchaser will retain the modification until a selection is made. A modification to a Bid which is determined to be late will not be considered in the evaluation and selection process. If the Bidder submitting the modification is determined to be the successful Bidder on the basis of the unmodified Bid, the modification may then be opened. If the modification makes the terms of the Bid more favourable to the Purchaser, the modified Bid may be used as the basis of Contract award. The Purchaser, however, reserves the right to award a Contract to the apparent successful Bidder on the basis of the Bid submitted and disregard the late modification.

- 2.10.3. A Bidder may withdraw its Bid at any time prior to Bid Opening without penalty. In order to do so, an authorised agent or employee of the Bidder must provide an original statement of the firm's decision to withdraw the Bid.

- 2.10.4. Except as provided in paragraph 2.11.4.2 below, a Bidder may withdraw its Bid after Bid Opening only by forfeiture of the Bid Guarantee.

## **2.11. Bid Validity**

- 2.11.1. Bidders shall be bound by the term of their Bids for a period of twelve (12) months starting from the Bid Closing Date specified in paragraph 2.3.1 above.

- 2.11.2. In order to comply with this requirement, the Bidder shall complete the Certificate of Bid Validity set forth in Annex B-4. Bids offering less than

the period of time referred to above for acceptance by the Purchaser may be determined to be non-compliant.

- 2.11.3. The Purchaser will endeavour to complete the evaluation and make an award within the period referred to above. However, should that period of time prove insufficient to render an award, the Purchaser reserves the right to request an extension of the period of validity of all Bids which remain under consideration for award.
- 2.11.4. Upon notification by the Purchaser of such a request for a time extension, the Bidders shall have the right to:
  - 2.11.4.1. accept this extension of time in which case Bidders shall be bound by the terms of their offer for the extended period of time and the Bid Guarantee and Certificate of Bid Validity extended accordingly; or
  - 2.11.4.2. refuse this extension of time and withdraw the Bid, in which case the Purchaser will return to the Bidder its Bid Guarantee in the full amount without penalty.
- 2.11.5. Bidders shall not have the right to modify their Bids due to a Purchaser request for extension of the Bid validity unless expressly stated in such request.

## **2.12. Bid Guarantee**

- 2.12.1. The Bid Guarantee shall be submitted by:
  - 2.12.1.1. email either directly by the banking institution or the Bidder to the email address in paragraph 3.3.1.2, plus
  - 2.12.1.2. mail the original copy to the address in paragraph 3.3.1.2.1.
- 2.12.2. The Bidder shall furnish with its bid a guarantee in an amount equal to Three Hundred Thousand Euro (€300,000).
- 2.12.3. The Bid Guarantee shall be substantially similar to Annex C as an irrevocable, unqualified and unconditional Standby Letter of Credit (SLC) issued by any of the banks (used interchangeably with "financial institution") listed in Annex H or issued by a different financial institution and confirmed by any of the banks listed in Annex H. In the latter case, signed original letters from both the issuing institution and the confirming institution must be provided. The confirming bank shall clearly state that it will guarantee the funds, the drawing against can be made by the NCI Agency. Bid Guarantees shall be made payable to the Treasurer, NCI Agency.
- 2.12.4. "Standby Letter of Credit" or "SLC" as used herein, means a written commitment by a financial institution listed in Annex H either on its own

behalf or as a confirmation of the Standby Letter of Credit issued by a different bank not listed in Annex H to pay all or part of a stated amount of money, until the expiration date of the letter, upon presentation by the Purchaser of a written demand therefore. Neither the financial institution nor the Contractor can revoke or condition the Standby Letter of Credit.

- 2.12.5. Alternatively, a Bidder may elect to electronically make a cash deposit of the required Guarantee directly to the bank account of the NCI Agency (no cheques). The NCI Agency's bank account details will be provided separately upon request.
- 2.12.6. If the Bid Closing Date is extended after a Bidder's financial institution has issued a Bid Guarantee, it is the obligation of the Bidder to have such Bid Guarantee (and confirmation, as applicable) extended to reflect the revised Bid Validity date occasioned by such extension.
- 2.12.7. Failure to furnish the required Bid Guarantee in the proper amount, and/or in the proper form and/or for the appropriate duration by the Bid Closing Date may be cause for the bid to be determined non-compliant.
- 2.12.8. The Purchaser will make withdrawals against the amount stipulated in the Bid Guarantee under any of the following conditions:
  - 2.12.8.1. The Bidder has submitted a bid and, after Bid Closing Date (including extensions thereto) and prior to the selection of the successful bid, withdraws its bid, or states that it does not consider its bid valid or agree to be bound by its bid;
  - 2.12.8.2. The Bidder has submitted a successful bid, but the Bidder declines to sign the Contract offered by the Agency, such Contract being consistent with the terms of the solicitation documents;
  - 2.12.8.3. The Purchaser has offered the Bidder the Contract for execution but the Bidder has been unable to demonstrate compliance with the security requirements of the Contract at the date of Contract signature;
  - 2.12.8.4. The Purchaser has entered into the Contract with the Bidder but the Bidder has been unable or unwilling to provide the Performance Guarantee required under the terms of the Contract within the time frame required.
- 2.12.9. Bid Guarantees will be returned to Bidders as follows:
  - 2.12.9.1. To non-compliant Bidders forty-five (45) days after notification by the Purchaser of a non-compliant bid (except where such determination is challenged by the Bidder; in which case the Bid Guarantee will be returned forty-five (45) days after a final determination of non-compliance);

- 2.12.9.2. To all other unsuccessful Bidders within thirty (30) days following the award of the Contract to the successful Bidder;
- 2.12.9.3. To the successful Bidder upon submission of the Performance Guarantee required by the Contract or, if there is no requirement for such a Performance Guarantee, upon Contract execution by both parties.
- 2.12.9.4. Pursuant to paragraph 2.11.4.2.

### **2.13. Cancellation of Invitation for Bid**

- 2.13.1. The Purchaser may cancel, suspend or withdraw for re-issue at a later date this IFB at any time prior to Contract award. No legal liability on the part of the Purchaser for payment of any sort shall arise and in no event will any Bidder have cause for action against the Purchaser for the recovery of costs incurred in connection with preparation and submission of a Bid in response to this IFB.

### **2.14. Electronic Transmission of Information and Data**

- 2.14.1. The Purchaser will endeavour to communicate answers to requests for clarification and amendments to this IFB to the prospective Bidders as soon as practicable.
- 2.14.2. Bidders are cautioned that except for those cases in which electronic transmission of documentation is not permissible (i.e. documents with security classification mandating specific transmission methods) the Purchaser will rely exclusively on electronic mail communication to manage all correspondence related to this IFB, including IFB amendments and clarifications.

### **2.15. Supplemental Agreements and Export Controlled Information**

- 2.15.1. Bidders are required, in accordance with the certificate at Annex B-7 of these Instructions to Bidders, to disclose any prospective Supplemental Agreements that are required by national governments to be executed by NATO as a condition of Contract performance.
- 2.15.2. Supplemental Agreements are typically associated with, but not necessarily limited to, national export control regulations, technology transfer restrictions and end user agreements.
- 2.15.3. Bidders are cautioned that failure to provide full disclosure of the anticipated requirements and the terms thereof, to the best of the Bidder's knowledge and experience, may result in the Purchaser withholding award of the Contract or terminating an executed Contract if it is discovered that the terms of such Supplemental Agreements contradict the terms of the Prospective Contract, including but not limited

to those addressing authority to install use, modify, or provide to others to use or modify in accordance with the terms of the Contract any software, item, documentation and/or material regardless of the nature or content to be produced as a result of the performance under the prospective Contract.

- 2.15.4. Supplemental agreement submitted after Contract Award shall not be considered and may constitute grounds for termination of the Contract in accordance with Clause 39 of the Contract General Provisions.

**2.16. Notice to Bidders of Contract Distribution and Disclosure of Information**

The resulting Contract is subject to release to the applicable NATO Resource Committee through the NATO Office of Resources (NOR).

The resulting Contract may be subject to release to (i) NATO Resource Committees for audit purposes (including audits carried out using third party companies- See Book II, Special Provisions Article entitled, "Notice of Authorized Disclosure of Information for Mandated NATO Third Party Audits by Resource Committees"; and (ii) to the customer holding a Service Level Agreement with the Agency related to this requirement, upon request from that customer.

## **SECTION 3. BID PREPARATION INSTRUCTIONS**

### **3.1. General**

- 3.1.1. Bidders shall prepare and submit their Bid in accordance with the requirements and format set forth in this IFB. Compliance with all bid submission requirements is mandatory. Failure to submit a bid in conformance with the stated requirements may result in a determination of non-compliance by the Purchaser and the elimination of the bid from further consideration.
- 3.1.2. Bidders shall not simply restate the IFB requirements. A Bid shall demonstrate that a Bidder understands the terms, conditions and requirements of the IFB and its ability to provide all the services and deliverables listed in the Schedules of the prospective Contract. Also, in accordance with the prescription of this Section, Bidders shall clearly illustrate the technology/functionalities, processes and procedures being proposed and their level of maturity in relation to the requirements to be satisfied as expressed in the SOW.
- 3.1.3. Bidders are informed that the quality, completeness, thoroughness and clarity of the bid will affect the compliance determination of the bid. Although the Purchaser may request clarification of the bid, it is not required to do so and may make its determination on the content of the bid as written. Therefore, Bidders shall assume that inconsistencies, omissions, errors, lack of detail and other qualitative deficiencies in the submitted bid will have a negative impact on the compliance determination of their bid.
- 3.1.4. Partial Bids and/or bids containing conditional statements will be declared non-compliant.
- 3.1.5. Bidders are advised that the Purchaser reserves the right to incorporate the successful Bidder's Offer in whole or in part by reference in the resulting Contract.
- 3.1.6. The level of classification of any documentation submitted as part of the Bid shall not be higher than "NATO RESTRICTED". In case of NATO RESTRICTED documents the Bidder will take into account the appropriate security measures and packaging.

### **3.2. Bid Package Content and Marking**

- 3.2.1. The complete electronic bid shall consist of three distinct and separated volumes described in the following subparagraphs. Detailed

requirements for the structure and content of each of these packages are contained in these Bidding Instructions.

- 3.2.1.1. Volume I - Bid Administration Package (paragraph 3.3)
- 3.2.1.2. Volume II - Price Quotation (paragraph 3.4)
- 3.2.1.3. Volume III - Technical Proposal Package (paragraph 3.5)
- 3.2.2. Each volume submitted shall comply with the below specifications:
  - 3.2.2.1. Volume I, Bid Administration - The e-mail content shall be as described in paragraph 3.3 below, with no password protection to the file and shall not be more than 20MB total per e-mail.
    - 3.2.2.1.1. IFB-CO-15577-SSSB–*Company Name*–Part I–Admin
    - 3.2.2.1.2. IFB-CO-15577-SSSB–*Company Name*–Part I–Bid Guarantee
  - 3.2.2.2. Volume II, Price - The e-mail content shall be as described in paragraph 3.4 below, with no password protection to the file, and shall not be larger than 20MB total per e-mail.
    - 3.2.2.2.1. IFB-CO-15577-SSSB–*Company Name*–Part II–Price
  - 3.2.2.3. Volume III, Technical - The e-mail content shall be as described in paragraph 3.5 below, with no password protection to the file, and shall not be larger than 20MB total per e-mail.
    - 3.2.2.3.1. IFB-CO-15577-SSSB–*Company Name*–Part III–Technical
  - 3.2.2.4. “*Company Name*” – In the subject line of the email, and in the names of the individual files, the name of the bidder shall be abbreviated to no more than 10 characters. For example, if a Company’s name is “*Computer and Technology Research Company*”, the company name could be shorted to “*CTRC*” in the email and file names.
  - 3.2.2.5. Multiple emails may be submitted for each part if the content of the file(s) is larger than 20MB per email submission; however, each file must clearly identify the part number and the sequence to which it relates. For example: *IFB-CO-15577-SSSB–Company Name–Part III–Technical Part 1 of 4*; *IFB-CO-15577-SSSB–Company Name–Part III–Technical Part 2 of 4* and so forth.
  - 3.2.2.6. Acceptable File Formats
    - 3.2.2.6.1. Unless otherwise directed, files can be submitted in Adobe pdf format.

3.2.2.6.2. For Non-classified documents, the Purchaser does NOT accept hard copies of bids, CD/DVDs, thumb drives, or zip files.

**3.3. Volume 1 – Bid Administration Package**

3.3.1. Quantity:

3.3.1.1. One (1) electronic PDF file containing all the documents specified in paragraphs 3.3.3.1 through to 3.3.3.18, and

3.3.1.2. One (1) electronic PDF file of the Bid Guarantee (paragraph 3.2.2.1.2) submitted to:  
NCIABankGuarantee@ncia.nato.int

3.3.1.2.1. In addition, an Original (Paper) copy of the Bid Guarantee shall be sent. This Original (Paper) shall be received no later than seven (7) business days after the Bid Closing Date (in paragraph 2.3.1). This Original (Paper) copy shall be sent to:

ATTN: Martin Steenwege

IFB-CO-15577-SSSB

Mailing Address: NATO Headquarters, Boulevard Léopold III, 1110  
Bruxelles

Tel: +32 2 707 8335

3.3.2. Failure to comply with paragraphs 3.4.1.2 and 3.4.1.3 may be cause for the bid to be determined non-compliant.

3.3.3. No indication disclosing or contributing to disclose the Bid Price shall be made part of the Bid Administration Package. Failure to abide to this prescription may result in the bid being declared non-compliant. The Package shall include the Certificates set forth in Annexes to these Bidding Instructions, signed in the original by an authorised representative of the Bidder. The text of the certificates must not be altered in any way. The Certificates are as follows:

3.3.3.1. Annex B-1 (Certificate of Legal Name of Bidder)

3.3.3.2. Annex B-2 (Acknowledgement of Receipt of IFB Amendments)

3.3.3.3. Annex B-3 (Certificate of Independent Determination)

3.3.3.4. Annex B-4 (Certificate of Bid Validity)

3.3.3.5. Annex B-5 (Certificate of Exclusion of Taxes, Duties and Charges)

- 3.3.3.6. Annex B-6 (Comprehension and Acceptance of Contract Special and General Provisions)
- 3.3.3.7. Annex B-7 (Disclosure of Requirements for NCI Agency Execution of Supplemental Agreements) with the prospective text of such Agreements, as applicable.
- 3.3.3.8. Annex B-8 (Certificate of Compliance AQAP or ISO 9001:2015 or Equivalent) with a copy of the relevant quality certification attached to it.
- 3.3.3.9. Annex B-9 (List of Prospective SubContractors)
- 3.3.3.10. Annex B-10 (Bidder Background IPR)
- 3.3.3.11. Annex B-11 (List of SubContractor IPR)
- 3.3.3.12. Annex B-12 (List of Third Party IPR) and associated copies of license agreements for each Third Party
- 3.3.3.13. Annex B-13 (Certificate of Origin of Equipment, Services, and Intellectual Property)
- 3.3.3.14. Annex B-14 (List of Proposed Key Personnel)
- 3.3.3.15. Annex B-15 Supply Chain Security Self-Attestation Statement
- 3.3.3.16. Annex B-15.bis Vendor Specific Requirements for Supply Chain Security
- 3.3.3.17. Annex B-16 Disclosure of Involvement of Former NCI Agency Employment
- 3.3.3.18. Annex B-16.Bis NCI Agency AD. 05.00, Code of Conduct: Post Employment Measures

### **3.4. Volume 2 - Price Quotation**

#### 3.4.1. Introduction

- 3.4.1.1. The authorized scope for this project and consequently that of any Contract resulting from this IFB is that encompassed by the requirements illustrated in Contract CLINs 1 through 17.

- 3.4.1.2. Optional CLINs are subject to express authorization to be provided by the relevant NATO authorities. Therefore at the time of the signature of any Contract resulting from this IFB, no obligation for the parties will arise with respect to the performance and/or payments associated with these CLINs. The obligation of the parties with respect to the scope of these CLINs are subject to the authorization by the relevant authorities and the unilateral express exercise of the Options by the Purchaser.
- 3.4.2. Package Contents
- 3.4.2.1. Contents: the completed Bidding Sheets “IFB-CO-15577-SSSB – Bidding Sheets.xls” provided with this IFB under Book I - Annex A.
- 3.4.2.1.1. The documentation stated in paragraph 3.4.2.1 above must be submitted in one (1) version in **Excel**, and one (1) **electronically signed PDF** conversion of the Excel file.
- 3.4.3. Pricing Prescriptions
- 3.4.3.1. Annex A to the present Book I contains the Bidding Sheets. Bidders shall prepare their Price Quotation by completing the Bidding Sheets in strict compliance with the Bidding Sheets Instructions. Such documentation constitutes an integral part of this IFB and prescriptions contained therein shall be referred to for the purpose of the evaluation set forth in paragraph 4.3. Failure to abide to these Bidding Sheets Instructions may lead to the bid being declared non-compliant.
- 3.5. Volume 3 - Technical Proposal Package**
- 3.5.1. Bidders shall submit their Technical Proposal in one volume containing the equipment’s technical specification sheets in compliance with the technical specification addressed in the Statement of Work. The required content of the Technical Proposal is described below, as of paragraph 3.5.3.
- 3.5.2. Additional materials such as brochures, sales literature, product endorsements and unrelated technical or descriptive narratives shall not be included in the Technical Proposal. These materials may be included in a separate volume marked as Supplemental Material, but will not be evaluated.
- 3.5.3. Executive Summary**
- 3.5.3.1. Bidders shall provide an overview of the salient features of their technical proposal in the form of an executive summary.

- 3.5.3.2. This summary shall provide a clear description of the major points contained in each of the required sections of the technical proposal and shall demonstrate the depth of the Bidder's understanding of the project, the implementation environment and the problems and risks of the project implementation. The Bidder shall highlight the strengths they bring to the project in terms of minimising the problems and reducing the risks that they specify and perceive, as well as the key points of the technical approach and solution. Typically, the executive summary shall be between 10 and 15 pages in length.
- 3.5.4. Table of Contents
- 3.5.4.1. Bidders shall compile a detailed Table of Contents which lists not only the section headings but also the major sub-sections, and topic headings required set forth in these Instructions or implicit in the organisation of the Technical Proposal.
- 3.5.4.2. Technical Proposal Cross Reference – Traceability Matrix
- 3.5.4.3. For the preparation of the Technical Proposal that describes how the respective requirements will be met, the Bidder shall include a completed Technical Proposal Cross Reference – Traceability Matrix. The Bidder shall hereby confirm that it accepts and will perform the requirements described in the Statement of Work by completing and submitting the Cross Reference – Traceability Matrix as detailed in Annex G. The Bidder shall complete Column four (4) – Bid Reference – of the Table, citing the appropriate section of the Technical Proposal that corresponds to each row of the Matrix.
- 3.5.4.4. The completed Matrix serves as an index for the Purchaser's Technical Evaluation and also as an aid-memoire to the Bidder to ensure that all the required information has been provided in the submitted Technical Proposal.
- 3.5.5. Key Personnel
- 3.5.5.1. Bidders shall provide the resumes of the individuals designated as Key Personnel to this project. For each role identified (at least one person per role and a maximum of one role per person), the resumes shall demonstrate that they have the expected knowledge, capability and experience to meet the requirements of this Contract. The key personnel are:
- 3.5.5.1.1. Project Manager;
- 3.5.5.1.2. Technical Lead;
- 3.5.5.1.3. Test Director;

- 3.5.5.1.4. ILS Manager.
- 3.5.5.2. Bidders shall provide for all of the above Key personnel at least one of the following valid Certificates:
  - 3.5.5.2.1. Standardized Language Proficiency (SLP) of 3333 in English corresponding to NATO STANAG 6001;
  - 3.5.5.2.2. Common European Framework of Reference for Languages (CEFR) C1 for the English language;
  - 3.5.5.2.3. Test of English as a Foreign Language (TOEFL) Internet-based Test (iBT) 110 – 120;
  - 3.5.5.2.4. Cambridge English Language Assessment CPE (45 to 59)/ CAE grade B or C / FCE grade A;
  - 3.5.5.2.5. International English Language Testing System (IELTS) 6 points;
  - 3.5.5.2.6. Bachelor's Degree or Higher from an accredited Institution in which program of study has been completed fully in the English language.
- 3.5.6. Corporate Experience
  - 3.5.6.1. Bidders shall describe the corporate structure of the Contractor and the administration of the prospective Project within the overall corporate structure. This information, labelled as "Corporate Capability", should indicate the chain of authority within the Contractor's Organization from the Project Manager to the Chief Executive Officer.
  - 3.5.6.2. Bidders shall describe the Corporate Experience which demonstrates relevant and recent experience of the Bidder in the design, implementation and integration of projects similar to the subject procurement.
  - 3.5.6.3. Bidders shall describe the process by which the Project Manager may have access to these "in-house" corporate resources and what level of authority is required in the Corporation hierarchy to secure the needed resources.
  - 3.5.6.4. Bidders shall describe the Corporate Experience which shall provide evidence of relevant and recent experience of the Bidder in the design, implementation and integration of projects similar to the subject procurement.

- 3.5.6.5. The Bidder shall provide relevant and successful corporate experience in at least two Contracts within the last five years for which the Bidder has executed the design, configuration, installation, integration and testing of similar radio frequency systems to meet military or government requirements. For each of the Contracts the following data shall be provided:
- 3.5.6.5.1. The Bidder shall provide a description of the key requirements and how far these requirements have been met by the solution fielded, preferably with a customer evaluation report.
  - 3.5.6.5.2. A brief description of the financial and physical scope of the project including the number of systems deployed/delivered.
  - 3.5.6.5.3. The purchaser(s) of these systems.
  - 3.5.6.5.4. The user(s) of these systems.
  - 3.5.6.5.5. The Contract number(s).
  - 3.5.6.5.6. The start date and end date of the Contract.
  - 3.5.6.5.7. A valid Point of Contact for verification purposes.
- 3.5.6.6. The Bidder shall provide relevant and successful corporate experience in at least two Contracts within the last five years of the major sub-Contractors for the delivery of projects similar to the respective parts of the subject procurement. For each of the Contracts the following data shall be provided:
- 3.5.6.6.1. The Bidder shall provide a description of the key requirements and how far these requirements were met by the solution fielded, preferably with customer evaluation report;
  - 3.5.6.6.2. A brief description of the financial and physical scope of the project including the number of systems deployed/delivered;
  - 3.5.6.6.3. The purchaser(s) of these systems;
  - 3.5.6.6.4. The user(s) of these systems;
  - 3.5.6.6.5. The Contract number(s);
  - 3.5.6.6.6. The start date and end date of the Contract;
  - 3.5.6.6.7. A valid Point of Contact for verification purposes.
- 3.5.6.7. The bidder shall provide the following information regarding their sub-contractors:

- 3.5.6.7.1. Architecture and Engineering (A/E) company - the sub-contractor in charge of and responsible for the studies, designs and the control of the civil works (possibly more than one company, for example one for each country: Netherlands (NLD), United Kingdom (GBR), Greece (GRC).
- 3.5.6.7.2. Civil Works execution company – the sub-contractor who will execute the works according to the design (possibly more than one company, for example one for each country: NLD, GBR, GRC).
- 3.5.6.7.3. Health and Safety (H&S) Coordinator – the sub-contractor qualified and capable of being responsible for H&S of the study phase, design and, if the bid is selected, for the safety coordination in execution phase (possibly more than one coordinator, for example one for each country: NLD, GBR, GRC)
- 3.5.7. **Plans and documentation**
  - 3.5.7.1. The Bidder shall develop a preliminary Project Management and Control Plan (PMCP) in accordance with the Statement of Work (SOW) of the Prospective Contract. This plan shall identify the significant tasks required to be accomplished and the items to be delivered in the execution of the Contract. The Plan will centre on a preliminary Project Work Breakdown Structure (PWBS) and supporting charts in accordance with the SOW of the Prospective Contract.
  - 3.5.7.2. The Contractor shall develop a preliminary Project Master Schedule (PMS) in accordance with the SOW of the Prospective Contract that shall contain all Contract events and milestones.
  - 3.5.7.3. In the PMS, the relationship between the Work Packages and project deliverables shall be clearly demonstrated as well as the schedule of sub-Contracted performance.
  - 3.5.7.4. The Bidder shall provide a preliminary Risk Assessment and Management Plan (RAMP) defining his strategy for risk management to meet the requirements in accordance with the Prospective Contract.
  - 3.5.7.5. The Bidder shall provide a draft Documentation Submission Plan as detailed in the SOW Section 15.
  - 3.5.7.6. The Documentation Submission Plan shall not simply restate the SOW requirements.
- 3.5.8. Communications and Information Systems (CIS)

- 3.5.8.1. The Bidder shall submit a Preliminary System Engineering and Design Plan (PSEDP), including a preliminary System Safety Engineering Plan and a preliminary Electromagnetic Interference and Compatibility (EMI/EMC) Control Plan as sub plans describing the preliminary design of the proposed System.
- 3.5.8.2. The Bidder shall be required to support its design with information in such a way as to convincingly demonstrate that the proposed design will meet the safety and security requirements as set out in SOW Section 4 and Section 5 of the prospective Contract, as well as any functional and technical requirements as set out in SOW Annex A to I of the prospective Contract.
- 3.5.8.3. The PSEDP shall provide detailed descriptions of how the proposed designs shall meet each of the specific performance requirements/parameters.
- 3.5.8.4. The Bidders shall take into account the constraints of the site(s) and number of simultaneous transmissions, as well EMC, in its technical proposal.
- 3.5.8.5. The PSEDP shall demonstrate that the system as delivered will meet all safety and security requirements.
- 3.5.8.6. The Bidder shall describe their approach to preparing and maintaining the Engineering Documentation Package (EDP).
- 3.5.8.7. The Bidder shall provide equipment specifications for each capability separately as specified within the System Requirement Specification (SRS) CIS Annexes.
- 3.5.8.8. The Bidder shall furnish detailed drawings, diagrams and specifications of the proposed system.
- 3.5.8.9. The Bidder shall provide predicted performance characteristics and specifications based on engineering analysis and/or extrapolations from previous data.
- 3.5.8.10. The Bidder shall ensure that any hardware to be procured in accordance with this IFB meets the hardware specifications as defined in SOW Annex A, D and G.
- 3.5.9. **Civil Works**
- 3.5.9.1. The bidder shall submit a Civil Works schedule that meets the following requirements:
  - 3.5.9.1.1. Presents the "civil works sub-project" integrated into the core of this project;

- 3.5.9.1.2. Is established taking into account all the requirements mentioned in this bidder's document, including the main milestone delivery dates (civil works and installation of transmission equipment, external services, etc.);
- 3.5.9.1.3. Shows necessary links between the specific civil works tasks and the other tasks of the core project;
- 3.5.9.1.4. Includes key tests and trials planned for prior to the technical acceptance of major equipment, site tests, provisional acceptance, etc.;
- 3.5.9.1.5. Shows 'critical path'.
- 3.5.9.2. The Bidder shall submit preliminary analysis, documents and drawings that address, as a minimum, the following criteria and make reference to respective international standards or their Territorial Host Nation (THN) equivalents:
  - 3.5.9.2.1. Building regulations;
  - 3.5.9.2.2. Stability;
  - 3.5.9.2.3. Functionality;
  - 3.5.9.2.4. Technical specifications;
  - 3.5.9.2.5. Fire protection;
  - 3.5.9.2.6. Physical security.
- 3.5.9.3. The Bidder shall submit for each radio site, preliminary and schematic graphics, drawings, layouts, calculations, and narrative including the following as a minimum:
  - 3.5.9.3.1. Nature of construction, demolishing, dismantling, refurbishment or new build works as well as installation works;
  - 3.5.9.3.2. Application – general description where and why major material and equipment are used / proposed for installation, construction, demolishing and dismantling works;
  - 3.5.9.3.3. Major equipment, installations and material performance parameters;
  - 3.5.9.3.4. Identification and general description of method of implementation for key works (including earth works, construction, installation, demolishing and dismantling works);
  - 3.5.9.3.5. General work schedule.

- 3.5.9.4. The Bidder shall submit the schematic design for each radio site. The schematic design shall make reference which international standards (or their THN equivalents) are used for formats, numbering, legends, representations, symbols and other indications. As a minimum they shall include:
  - 3.5.9.4.1. Floor plans;
  - 3.5.9.4.2. Site plans;
  - 3.5.9.4.3. Building elevations (all four sides - the east, west, north and south);
  - 3.5.9.4.4. General description of building systems (structural, mechanical, HVAC, plumbing, electrical, fuel distribution, firefighting, security, data and phone cabling), interior and exterior finishes, and the building site with supporting schematic and conceptual drawings.
- 3.5.9.5. The bidder shall submit preliminary drawings of civil works infrastructure that include as the minimum:
  - 3.5.9.5.1. The general situational layout showing the construction site, the site installations, buildings, access to the site, cables, pipes etc. (scale 1/500);
  - 3.5.9.5.2. The general site plan (scale 1/500) including the demolition phases, accesses, roads and parking lots, buildings, foundations for antennas and other installations, fences, safety zones, location of fuel tanks and pipes etc.;
  - 3.5.9.5.3. Drainage installations (1/100 and / or 1/200 scale);
  - 3.5.9.5.4. Cables, pipes, ducts and trenches (1/100 and / or 1/200 scale);
  - 3.5.9.5.5. Key dimensions of main infrastructure (for example roads and parking lots, antenna fields).
- 3.5.9.6. The bidder shall submit preliminary drawings of buildings and miscellaneous constructions that include as a minimum:
  - 3.5.9.6.1. General plans/ layouts per building (1/100 scale);
  - 3.5.9.6.2. Key cross sections drawings (scale 1/50);
  - 3.5.9.6.3. The schematic plans and drawings of key construction details (scale 1/50, 1/20 or 1/10);
  - 3.5.9.6.4. General roof plans with outlets (1/100 scale);
  - 3.5.9.6.5. Key dimensions of buildings, rooms and wall openings.

- 3.5.9.7. The bidder shall submit preliminary drawings of HVAC (scale 1/50 or 1/100) that include as a minimum:
  - 3.5.9.7.1. General HVAC installation plans and drawings (with location of main equipment)
  - 3.5.9.7.2. Ventilation ducts for air treatment installations, etc.;
  - 3.5.9.7.3. General drawings with layout of heating elements, ventilation equipment;
  - 3.5.9.7.4. In summary, the drawings and cross sections necessary to make the bidder's general proposal understandable
- 3.5.9.8. The bidder shall submit preliminary drawings of the fire protection and fighting system (scale 1/50 or 1/100) that include as a minimum:
  - 3.5.9.8.1. Fire detection and fire alarm plans (with locations of the main components such as control panels, detectors, etc.).
- 3.5.9.9. The bidder shall submit preliminary drawings of the electrical system (scale 1/50 or 1/100) that include as a minimum:
  - 3.5.9.9.1. General electrical installation plans and drawings (with location of the main components – main power distribution board, electrical distribution boards, UPS, battery rack, high -voltage cabin, etc.);
  - 3.5.9.9.2. General plans with indication of lighting points and sockets;
  - 3.5.9.9.3. Schematic diagram of the energy distributions including the distributions from the main power distribution board to the electrical distribution boards.
- 3.5.9.10. The bidder shall submit preliminary drawings of the ancillary equipment (scale 1/50 or 1/100) that include as a minimum:
  - 3.5.9.10.1. A schematic plan per room showing key equipment offered (scale 1/20 of 1/10) with reference to the respective technical data sheets.
- 3.5.9.11. The bidder shall submit preliminary drawings of the roads, paved areas and landscaping that include as the minimum:
  - 3.5.9.11.1. General plans and drawings (scale 1/100 and / or 1/200);
  - 3.5.9.11.2. Major details of the structure of roads, parking lots, paths, sidewalks, etc. (scale 1/100 and / or 1/50);
  - 3.5.9.11.3. General plans for landscaping
- 3.5.10. Test and Evaluation

- 3.5.10.1. The Bidder shall have identified their proposed test organization and provided a preliminary Test and Evaluation plan by Work Breakdown Structure (WBS) for the allocation of personnel and the time line for the Test activities set forth as requirements in SOW Section 10.
- 3.5.10.2. The Bidder shall have submitted as an integral part of the testing activities, a preliminary Security Test and Evaluation Plan (STEP) that meets the requirements set forth as in SOW Section 5.
- 3.5.10.3. The Bidder shall have provided comprehensive information about the major components, sub-assemblies and assemblies that are expected to undergo partial testing and extensive testing and evaluation prior to Factory Acceptance Test (FAT), Radio Site Acceptance Test (RSAT) and System Acceptance Test (SAT).
- 3.5.10.4. If the Bidder proposes elements of the System to be submitted on the basis of a Certificate of Conformity (CoC) based on prior test and qualification, the Bidder shall provide a summary of the particulars and especially the dates of the prior tests and for whom the testing was executed.
- 3.5.10.5. The Bidder shall describe how the proposed CoC or request for exemption of testing based on prior qualification will be processed from the QA and CM aspects.
- 3.5.10.6. The Bidder shall describe the preliminary version of procedures and controls to be employed for testing of components, sub-assemblies and assemblies that are sub-Contracted and tested at sub-Contractor's facilities.
- 3.5.11. **Provisional System Acceptance (PSA) and Final Systems Acceptance (FSA)**
- 3.5.11.1. The Bidder shall provide a preliminary System Acceptance Plan, by WBS, for the allocation of personnel and the time schedule to accomplish all the activities required and ensure the timely delivery of all documentation and other deliverables required for successful PSA and FSA.
- 3.5.12. **Security**
- 3.5.12.1. The Bidder shall describe how the system will manage access control.
- 3.5.12.2. The Bidder shall describe how the system will manage identification, authentication and authorisation.
- 3.5.12.3. The Bidder shall describe how the system will defend against malicious software.

- 3.5.12.4. The Bidder shall describe how the system will generate and collect security logs
- 3.5.12.5. The Bidder shall describe what guides will be used to harden all system deliverables.
- 3.5.12.6. The Bidder shall describe how they will perform vulnerability management (CVE, testing specific vulnerabilities) throughout the project lifecycle.
- 3.5.12.7. The Bidder shall describe how the project security (including supply chain security) will be achieved.
- 3.5.13. **Integrated Logistic Support Plan (ILSP)**
- 3.5.13.1. Bidders shall provide a draft ILSP, as detailed in the SOW section 9.2.4. This shall address the following in detail in accordance with the requirements of Section 9 and Section 10:
  - 3.5.13.1.1. The Contractor's Integrated Logistic Support (ILS) organization, roles, responsibilities and procedures;
  - 3.5.13.1.2. ILS activities schedule with dependencies between different activities and deliverables;
  - 3.5.13.1.3. Maintenance and Support Concept (Maintenance Plan, detailed Maintenance Level definitions and tasks);
  - 3.5.13.1.4. Design Influence and interfaces with other functional/technical areas (planning activities as an annex to ILSP, while the actual data and methods to be covered under Support Case)
    - 3.5.13.1.4.1. Reliability, Availability, Maintainability and Testability (RAMT) Programme planning, activities, processes (including testing);
    - 3.5.13.1.4.2. Logistics Support Analysis planning, reporting (such as Logistics Support Analysis Requirements (LSAR)), activities and processes;
    - 3.5.13.1.4.3. Support Case;
    - 3.5.13.1.5. Planning of supply support (System Inventory, Codification, Recommended Spare Parts List (RSPL) and Recommended Consumables Items List (RCIL) template);
    - 3.5.13.1.6. Planning, resourcing, calculating, procuring and providing the Initial Provisioning (spares, consumables, support tools and test equipment)
    - 3.5.13.1.7. Computer Resources

- 3.5.13.1.8. Manpower and Personnel Requirements
- 3.5.13.1.9. Packaging, Handling, Storage and Transportation
- 3.5.13.1.10. Technical Publications Development Plan
- 3.5.13.1.11. Planning of supply chain security
- 3.5.13.1.12. Planning of obsolescence management and monitoring (Parts Obsolescence Management Plan)
- 3.5.13.2. Bidders shall provide a detailed approach for the Maintenance and Support Concept in the draft ILS Plan.
  - 3.5.13.2.1. The Maintenance and Support Concept shall demonstrate the understanding of the different Maintenance and Support Levels, the interfaces between these different levels, maintenance and support environment, constraints, locations, procedures, artefacts, organization, personnel skills, related ITIL processes and responsibilities between different parties to maintain the delivered baselines of the system in different phases of the lifecycle.
  - 3.5.13.2.2. The Maintenance Concept shall explain how the logistics support resources (documentation, training, manpower and personnel, tools, supply support and test equipment etc.) will be designed, acquired and provided to enable the Purchaser to obtain the assigned maintenance level capabilities separately addressing system level, hardware (HW) and software (SW) level.
  - 3.5.13.2.3. The draft Maintenance and Support Concept shall be compliant with the SOW requirements in Section 9.
- 3.5.14. **In-Service Support Plan (ISSP)**
  - 3.5.14.1. Bidders shall provide a separate, stand-alone draft ISSP that is fully compliant with the requirements outlined in Warranty and Optional CLS Annex/Addendum. The Bidder's ISSP shall detail the responsibilities and services until FSA and during the Warranty period, covering the following topics at minimum:
    - 3.5.14.1.1. The Contractor's Support organization, roles, responsibilities, processes and procedures (between PSA and FSA; and during warranty);
    - 3.5.14.1.2. Description of the system of interest (SOI);
    - 3.5.14.1.3. Description of the integrated support concept, including the maintenance concept, warranty concept, customer support concept, service management & control concept, ITSM processes including but not limited

to the incident, problem management, release and deployment management, and configuration and change management;

- 3.5.14.1.4. Brief description of the Purchaser and Host Nation maintenance and support organization; their interfaces and interactions with each other;
- 3.5.14.1.5. Description of sub-contractors, vendors and other third parties involved in warranty and support;
- 3.5.14.1.6. Description and allocation of operation, Service Management & Control (SM&C) and corrective and preventive maintenance tasks required to operate and maintain the system;
- 3.5.14.1.7. Description of the Sustainability measures (obsolescence management, failure reporting, performance monitoring, reliability and availability assessment and reporting);
- 3.5.14.1.8. Procedures to follow when any part of the system fails together with response times for analysis and resolution by the Contractor,
- 3.5.14.1.9. Comprehensive lists of all available spares, consumables, and software licenses, support software tools, COTS documentation, technical documentation, training documentation and manuals.

### 3.5.15. **Contractor Logistics Support (CLS) Plan**

- 3.5.15.1. Bidders shall provide a draft CLS Plan as an annex to the ISSP detailing the responsibilities and services under the optional CLS services during the warranty and post-warranty. The draft CLS Plan shall cover the requirements outlined in Warranty and Optional CLS Annex/Addendum fully. The Bidder's CLS Plan shall be detailed enough to form a comprehensive understanding of how they propose to meet the optional CLS requirements of this SOW during warranty and post warranty periods separately. The CLS Plan shall detail the following:
  - 3.5.15.1.1. The Contractor's proposed CLS Management Organization;
  - 3.5.15.1.2. Description and details of the optional CLS services and sub-services that will be made available;
  - 3.5.15.1.3. SSSB Service Catalogue detailing how the Bidder will create, maintain and provide the services required by the SOW and associated KPI's;
  - 3.5.15.1.4. CLS Strategy, including intervention on each site, preventive and repair activities, spares replenishment plan and process,
  - 3.5.15.1.5. The location of the repair facilities that will be utilised, and/or the source within the corporate organization of the service and expertise required;

- 3.5.15.1.6. Description of how CLS shall be fulfilled during times of crisis and conflict;
- 3.5.15.1.7. Method for site personnel to inform CLS Contractor when spares have been used and when assistance is needed;
- 3.5.15.1.8. Method of meeting, recording and evaluating the Contractor's performance during CLS and KPI's outlined in SOW;
- 3.5.15.1.9. Description of the strategy for replacing hardware that can no longer be economically supported by the Contractor or sub-contractors.
- 3.5.15.1.10. Description of how CM procedures will continue to be implemented on the hardware and software/firmware during the CLS period.
- 3.5.15.1.11. Description of the proposed logistic and maintenance information processes,
- 3.5.15.1.12. Identification of the proposed sub-contractors/vendors during the CLS period, including the firm, the nation of origin, the major items (assemblies, sub-assemblies) or services.
- 3.5.15.1.13. Description of how the QA/QC Programme of the Prime Contractor and sub-contractors will meet the provisions of this Contract.
- 3.5.15.1.14. The CLS Plan shall not simply restate the SOW requirements or solely provide empty templates.
- 3.5.16. Support Case
  - 3.5.16.1. Bidders shall provide a draft Support Case, in accordance with the requirements in SOW Section 8 and 9, and as detailed in the SOW section 8.5.2. The Support Case shall provide sufficient details on how the Logistic Support Analysis (LSA) and RAMT Program will be managed, developed, resourced and maintained in accordance with the requirements. The Support Case shall provide sufficient details including, but not limited to, the following to show the Bidder's approach and capability to perform the required LSA studies:
    - 3.5.16.1.1. How various SRS and SOW RAMT requirements shall be integrated into the system design;
    - 3.5.16.1.2. How LSA shall be performed including the creation of a draft LCN;
    - 3.5.16.1.3. Task analysis shall be performed including inputs, methods, tools, standards and outputs (template and content for the proposed design);
    - 3.5.16.1.4. Level of Repair (LORA) Analysis shall be performed (template and content in accordance with the proposed design);

- 3.5.16.1.5. Maintenance Allocation Chart (MAC) shall be provided (template and content in accordance with the proposed design);
- 3.5.16.1.6. Total cost of Ownership analysis shall be conducted;
- 3.5.16.1.7. Obsolescence Analysis and Management shall be performed;
- 3.5.16.1.8. Spare part calculations and reporting shall be undertaken, and spare and consumables set shall be provided (template and content in accordance with the proposed design);
- 3.5.16.1.9. How planning and execution of the O&M Procedures Verification Test shall be done with references to the Master Test Plan.
- 3.5.16.2. The Support Case shall provide sufficient details including, but not limited to, the following to show the Bidder's approach and capability to perform the required RAMT studies:
  - 3.5.16.2.1. RAMT allocation, prediction, calculation and testing activities shall be planned, resourced and performed;
  - 3.5.16.2.2. RAMT allocation, prediction, RBD analysis shall be performed including calculations, inputs, methods, tools, standards and outputs;
  - 3.5.16.2.3. FMECA shall be performed including inputs, methods, tools, standards and outputs;
  - 3.5.16.2.4. FMECA report shall be provided as compliant with MIL-STD-1629A (template and content in accordance with the proposed design);
  - 3.5.16.2.5. Testability report shall be provided (template and content in accordance with the proposed design);
  - 3.5.16.2.6. How the verification and testing activities will be planned and performed;
- 3.5.16.3. The Support Case shall not simply restate the SOW requirements or solely provide empty templates.
- 3.5.17. **Training Plan (TP)**
  - 3.5.17.1. Bidders shall provide a draft training plan by creating the necessary sections to cover and detail all training related requirements outlined in SOW Section 16.
  - 3.5.17.2. The training plan shall detail how the Training Needs Analysis (TNA) will be performed with all possible deliverables, inputs and outputs to the process; which and how training materials will be provided, and how the courses will be conducted.

- 3.5.17.3. The training plan shall explain in detail how the Bidder will schedule, resource and manage the various training requirements (TNA, training schedule, training courses and material, training tools, media, training personnel, training reviews, meetings, assessment, evaluation and reporting) starting from the contract award until the acceptance.
- 3.5.17.4. The Training Plan shall not simply restate the SOW requirements or solely provide empty templates.
- 3.5.18. **Configuration Management Plan (CMP)**
- 3.5.18.1. The Bidder shall provide a draft CMP in accordance with the ACMP-2009 and as detailed in the SOW Section 7.
- 3.5.18.2. This shall address all the CM sections (Organization, Configuration identification and Documentation, Baselines, Configuration control, Interface management, Change request Process, Configuration Status Accounting, Configuration Audits and Reviews and Configuration Management Tools) detailing the activities under each section to be compliant with the requirements.
- 3.5.18.3. The draft CMP shall at least cover how the CM process will be planned, managed, resourced, executed and provided including the organization and personnel, CM tools, directives and standards, meetings, reviews and deliverables (baselines, documents, CMDB etc.).
- 3.5.18.4. The CMP shall not simply restate the SOW requirements.
- 3.5.19. **Quality Assurance (QA)**
- 3.5.19.1. The Bidder shall provide a draft QA Plan as detailed in SOW Section 6.
- 3.5.19.2. The draft QA Plan shall provide sufficient information that the Quality Management processes and organization are in place for the project in accordance with AQAP-2110 and /or equivalent ISO standards.
- 3.5.19.3. The QA Plan shall detail QA procedures for requirements analysis, design, development, production, installation, test, acceptance, certification, support, defects and corrective actions, documentation, reviews and audits including subcontractor management specified for this project.
- 3.5.19.4. The QA Plan shall not simply restate the SOW requirements.

## **SECTION 4. BID EVALUATION AND CONTRACT AWARD**

### **4.1. General**

- 4.1.1. The evaluation of bids will be made by the Purchaser solely on the requirements contained in this IFB.
- 4.1.2. The evaluation of bids and the determination as to the compliance or technical adequacy of the supplies and services offered will be based only on that information furnished by the Bidder and contained in his bid. The Purchaser shall not be responsible for locating or securing any information that is not included in the bid.
- 4.1.3. To ensure that sufficient information is available, the Bidder shall furnish with his bid all information appropriate to provide a complete description of the work that will be performed and/or the supplies to be delivered. The information provided shall be to a level of detail necessary for the Purchaser to determine exactly what the Bidder proposes to furnish and whether the offer meets the technical, administrative and contractual requirements of this IFB.
- 4.1.4. During the evaluation, the Purchaser may request clarification of the bid from the Bidder and the Bidder shall provide sufficient detailed information in connection with such requests as to permit the Purchaser to make a final determination based upon the facts. The purpose of such clarifications will be to resolve ambiguities in the bid and to permit the Bidder to state his intentions regarding certain statements contained therein. The Bidder is not permitted any cardinal alteration of the bid regarding technical matters and shall not make any change to its Price Quotation at any time.
- 4.1.5. The Bidder's prompt response to the Purchaser's IFB clarification requests is important and therefore failure to provide the requested clarifications within the time-limits set forth in the specific Clarification Requests may cause the bid to be deemed non-compliant.
- 4.1.6. The evaluation will be conducted in accordance with NATO Infrastructure Bidding Procedures as set forth in the document AC/4-D/2261 (1996 Edition). The bid evaluation methodology to be followed was agreed by the NATO Infrastructure Committee.
- 4.1.7. The administrative compliance of the Bids will be evaluated first. Bids that are declared administratively non-compliant may be rejected without further evaluation. Following evaluation for administrative compliance, the Price Quotation of each Bidder is evaluated, and subsequently only

the Technical Proposals of the apparent lowest priced bid is evaluated for technical compliance with the requirements of the SOW.

- 4.1.8. The Contract resulting from this IFB will be awarded to the bidder whose offer, as evaluated by the Purchaser, is the lowest priced bid and in compliance with the requirements of this IFB.

#### **4.2. Administrative Criteria**

- 4.2.1. Prior to commencement of the Price and Technical evaluation, Bids will be reviewed for compliance with the Bid Submission Requirements of this IFB. These are as follows:

4.2.1.1. The Bid was received by the Bid Closing Date,

4.2.1.2. The Bid was submitted and marked properly,

4.2.1.3. The Administrative Package contains all the requested signed originals of the required Certificates at Annex B hereto.

4.2.2. A Bid that fails to conform to the above requirements may be declared non-compliant and may not be evaluated further by the Purchaser. Bidders whose bids were assessed as administratively non-compliant will be notified only if their proposal is evaluated as the lowest priced bid.

4.2.3. If it is discovered, during either the Price or Technical evaluation, that the Bidder has taken exception to the Terms and Conditions of the Prospective Contract, or has qualified and/or otherwise conditioned his offer on a modification or alteration of the Terms and Conditions or the language of the SOW, the Bidder may be determined to have submitted a non-compliant bid.

#### **4.3. Price Criteria**

4.3.1. Price Evaluation Criteria - the Bid will be evaluated against the following criteria:

4.3.1.1. Completeness and formal compliance of the Price Quotation with all IFB provisions and Bidding Instructions.

4.3.1.2. Total Firm Fixed Price offered for the requested CLIN's in the Bidding Sheets i.e. CLINs 1 through 17, including the options of CLIN 10.

4.3.1.3. The Bid meets the requirement for Price Realism, in accordance with paragraph 4.4 below.

4.3.2. Determination of Lowest Priced Bid:

- 4.3.2.1. In order to determine the lowest offered price, the Purchaser will convert all prices quoted into Euro for purposes of comparison. The exchange rate to be utilised by the Purchaser will be the average of the official buying and selling rates of the European Central Bank at close of business on the last working day preceding the Bid Closing Date.
- 4.3.3. Inconsistencies and Discrepancies in Bid Price Quotation:
- 4.3.3.1. In case of inconsistencies, discrepancies and/or contradictory pricing information in the different parts of the Bid price submission and notwithstanding the possibility for the Purchaser, at its sole discretion to obtain clarification from the bidder, for the purpose of determining the total price of the Bid, the following order of precedence shall apply:
- 4.3.3.2. PDF copy of the completed Bidding Sheets,
- 4.3.3.3. Microsoft Excel copy of the completed Bidding Sheets.
- 4.3.4. Basis of Price Comparison
- 4.3.4.1. The sum of the Total Firm Fixed Prices offered (CLIN's 1 through 17, including the options of CLIN 10) shall be compared on the basis of the prices offered converted to Euro as stated in paragraph 4.3.2.1 above. Option CLINs 18 through 23 shall not be considered for the purpose of total price comparison, however they shall be considered for the purposes outlined in paragraphs 4.3.1, 4.3.4.2, 4.4, and 4.5.
- 4.3.4.2. The Bid will be evaluated against the following criteria:
- 4.3.4.2.1. The Bidder must have furnished firm fixed prices for all items listed, including all options.
- 4.3.4.2.2. All pricing data, i.e., quantities, unit prices, shall be provided as reflected in the Biding Sheet.
- 4.3.4.2.3. Bid prices include all costs for items supplied, delivered, and supported.
- 4.3.4.2.4. The Bidder must have provided accurate unit prices of each of the sub-items(s) he has added (if any).
- 4.3.4.2.5. The currency of all line items is to be clearly indicated.
- 4.3.4.2.6. The bidder must have provided accurate unit price and total price for each line item under CLIN's 1 through 23.
- 4.3.4.2.7. The grand total shall be accurate.
- 4.3.4.2.8. Bidders shall quote in their own national currency or in EUR, the host nation currency, or they may submit bids in multiple currencies.

- 4.3.4.2.9. All prices shall be accurately entered into appropriate columns, and accurately totalled.
- 4.3.4.2.10. Bidders must have indicated that in accordance with the treaties governing the terms of business with NATO, exclude from their prices all taxes, duties and customs charges from which the Purchaser has been exempted.
- 4.3.4.2.11. Price quotes for each individual item, and totalled prices are accurate and realistic, based on historic data, and/or market and competitive trends in the specified industrial sectors.
- 4.3.4.3. A bid that fails to meet the compliance standards defined in this section may be declared non-compliant and may not be evaluated further by the Purchaser.

#### **4.4. Price Realism**

- 4.4.1. Otherwise successful Bidders that submit a Price Quotation so low that it is not a realistic reflection of the objective cost of performance of the associated Technical Proposal may be considered by the Purchaser to have submitted an unrealistic offer and that offer may be determined to be non-compliant.
- 4.4.2. Indicators of an unrealistically low bid may be the following, amongst others:
  - 4.4.2.1. Labour Costs that, when amortised over the expected or proposed direct labour hours, indicate average labour rates far below those prevailing in the Bidders locality for the types of labour proposed.
  - 4.4.2.2. Direct Material costs that are considered to be too low for the amounts and types of material proposed, based on prevailing market prices for such material.
  - 4.4.2.3. Numerous Line Item prices for supplies and services that are provided at no cost or at nominal prices.
- 4.4.3. If the Purchaser has reason to suspect that a Bidder has artificially debased its prices in order to secure contract award, the Purchaser will request clarification of the bid in this regard and the Bidder shall provide explanation on one of the following bases:

- 4.4.3.1. An error was made in the preparation of the Price Quotation. In such a case, the Bidder must document the nature of the error and show background documentation concerning the preparation of the Price Quotation that makes a convincing case that a mistake was made by the Bidder. In such a case, the Bidder shall petition the Purchaser to either remain in the competition and accept the Contract at the offered price, or to withdraw from the competition.
- 4.4.3.2. The Bidder has a competitive advantage due to prior experience or industrial/technological processes that demonstrably reduce the costs of Bidder performance and therefore the price offered is realistic. Such an argument must support the Technical Proposal offered and convincingly and objectively describe the competitive advantage and the net savings achieved by this advantage over standard market practices and technology.
- 4.4.3.3. The Bidder recognises that the submitted Price Quotation is unrealistically low compared to its cost of performance and, for business reasons, the Bidder is willing to absorb such a loss. Such a statement can only be made by the head of the business unit submitting the Bid and will normally be made at the level of Chief Operating Officer or Chief Executive Officer. In such a case, the Bidder shall estimate the potential loss and show that the financial resources of the Bidder are adequate to withstand such reduction in revenue.
- 4.4.4. If a Bidder fails to submit a comprehensive and compelling response on one of the bases above, the Purchaser may determine the Bid submitted as non-compliant. If the Bidder responds on the basis of paragraph 4.4.3.1 above and requests to withdraw from the competition, the Purchaser may, depending on the nature and gravity of the mistake, allow the Bidder to withdraw.
- 4.4.5. If the Purchaser accepts the Bidder's explanation of mistake on the basis of paragraph 4.4.3.1 and allows the Bidder to accept the Contract at the offered price, or the Purchaser accepts the Bidder's explanation pursuant to paragraph 4.4.3.3 above, the Bidder shall agree that the supporting pricing data submitted with his Bid will be incorporated by reference in the resultant contract. The Bidder shall agree as a condition of contract signature, that the pricing data will be the basis of determining fair and reasonable pricing for all subsequent negotiations for modifications of or additions to the contract and that no revisions of proposed prices will be made.
- 4.4.6. If the Bidder presents a convincing rationale pursuant to paragraph 4.4.3.2 above, no additional action will be warranted. The Purchaser, however, reserves its right to reject such an argument if the rationale is not compelling or capable of objective analysis. In such a case the Bid may be determined to be non-compliant.

**4.5. Technical Criteria**

4.5.1. Upon determination of the lowest-priced Bid as described above, the Purchaser will only evaluate the technical proposal of the apparent lowest priced bid in order to confirm its completeness and compliance with all following criteria.

**4.5.2. Executive Summary**

4.5.2.1. The bid provides an overview of the salient features of their technical proposal in the form of an executive summary..

4.5.2.2. The Bid provides an executive summary between 10 and 15 pages in length that demonstrates a clear description of the major points contained in each of the required sections of the technical proposal and shall demonstrate the depth of the Bidder's understanding of the project, implementation environment and the problems and risks of project implementation. It should also summarize the strengths which the Bidder and its team bring to the project in terms of minimising the problems and reducing the risks as perceived and specified by the bidder. Finally, it should highlight the key points of the technical approach and solution that the Bidder believes deserves recognition

**4.5.3. Table of Contents**

4.5.3.1. The Bidder shall have compiled a detailed Table of Contents which lists not only the section headings but also the major sub-sections, and topic headings required set forth in these Instructions or implicit in the organisation of the Technical Proposal.

**4.5.4. Key Personnel**

4.5.4.1. The bid shall provide the resumes of the individuals designated as Key Personnel to this project. For each role identified (at least one person per role and a maximum of one role per person), the resumes shall demonstrate that they have the expected knowledge, capability and experience to meet the requirements of this Contract. The key personnel are::

4.5.4.1.1. Project Manager;

4.5.4.1.2. Technical Lead;

4.5.4.1.3. Test Director;

4.5.4.1.4. ILS Manager.

4.5.4.2. Bidders shall provide for all of the above Key personnel at least one of the following valid Certificates:

- 4.5.4.2.1. Standardized Language Proficiency (SLP) of 3333 in English corresponding to NATO STANAG 6001;
- 4.5.4.2.2. Common European Framework of Reference for Languages (CEFR) C1 for the English language;
- 4.5.4.2.3. Test of English as a Foreign Language (TOEFL) Internet-based Test (iBT) 110 – 120;
- 4.5.4.2.4. Cambridge English Language Assessment CPE (45 to 59)/ CAE grade B or C / FCE grade A;
- 4.5.4.2.5. International English Language Testing System (IELTS) 6 points;
- 4.5.4.2.6. Bachelor's Degree or Higher from an accredited Institution in which program of study has been completed fully in the English language.
- 4.5.5. Corporate Experience
  - 4.5.5.1. The Bid describes the corporate structure of the Contractor and the administration of the prospective Project within the overall corporate structure. This information, labelled as "Corporate Capability", indicates the chain of authority within the Contractor's Organization from the Project Manager to the Chief Executive Officer..
  - 4.5.5.2. The Bid describes the corporate resources that are available to support the Project which are resident in the Organization of the Contractor but not directly under the authority of the Project Manager..
  - 4.5.5.3. The Bid describes the Corporate Experience that provides evidence of relevant and recent experience of the Bidder in the design, implementation and integration of projects similar to the subject procurement..
  - 4.5.5.4. Bidders shall describe the Corporate Experience that shall provide evidence of relevant and recent experience of the Bidder in the design, implementation and integration of projects similar to the subject procurement..
  - 4.5.5.5. The Bid provides relevant and successful corporate experience in at least two Contracts within the last five years for which the Bidder has executed the design, configuration, installation, integration and testing of similar systems to meet military or government requirements. For each of the Contracts the following data has been provided::
    - 4.5.5.5.1. A description of the key requirements and how far these requirements were met by the solution fielded, preferably with customer evaluation report.

- 4.5.5.5.2. A brief description of the financial and physical scope of the project including the number of systems deployed/delivered.
- 4.5.5.5.3. The purchaser(s) of these systems.
- 4.5.5.5.4. The user(s) of these systems.
- 4.5.5.5.5. The Contract number(s).
- 4.5.5.5.6. The start date and end date of the Contract.
- 4.5.5.5.7. A valid Point of Contact for verification purposes.
- 4.5.5.6. The Bid provides relevant and successful corporate experience in at least two Contracts within the last five years of the major sub-Contractors for the delivery of projects similar to the respective parts the subject procurement. For each of the Contracts the following data has been provided:
  - 4.5.5.6.1. A description of the key requirements and how far these requirements were met by the solution fielded, preferably with customer evaluation report;
  - 4.5.5.6.2. A brief description of the financial and physical scope of the project including the number of systems deployed/delivered;
  - 4.5.5.6.3. The purchaser(s) of these systems;
  - 4.5.5.6.4. The user(s) of these systems;
  - 4.5.5.6.5. The Contract number(s);
  - 4.5.5.6.6. The start date and end date of the Contract;
  - 4.5.5.6.7. A valid Point of Contact for verification purposes.
- 4.5.5.7. The bidder shall include the following information regarding their proposed sub-contractors:
  - 4.5.5.7.1. Architecture and Engineering (A/E) company - the sub-contractor in charge of and responsible for the studies, designs and the control of the civil works (possibly more than one company, for example one for each country: Netherlands (NLD), United Kingdom (GBR), Greece (GRC).
  - 4.5.5.7.2. Civil Works execution company – the sub-contractor who will execute the works according to the design (possibly more than one company, for example one for each country: NLD, GBR, GRC).
  - 4.5.5.7.3. Health and Safety (H&S) Coordinator – the sub-contractor qualified and capable of being responsible for H&S of the study phase, design and, if

the bid is selected, for the safety coordination in execution phase (possibly more than one coordinator, for example one for each country: NLD, GBR, GRC)

**4.5.6. Plans and documentation**

- 4.5.6.1. The Bidder shall have submitted a preliminary Project Management and Control Plan (PMCP) that conforms to the requirements of SOW Section 2 of the Prospective Contract. This plan shall have identified the significant tasks to be accomplished and the items to be delivered in the execution of the Contract. The preliminary Project Work Breakdown Structure (PWBS), the preliminary Project Master Schedule (PMS) and supporting charts shall have thoroughly described the steps necessary to achieve delivery of the SSSB System within the Contract terms and schedule. The preliminary PMCP shall have been logical and realistic, demonstrating the Bidder's appreciation of the complexity of the Project and his experience in managing large programmes.
- 4.5.6.2. The Contractor shall also have developed a preliminary Project Master Schedule (PMS) in accordance with SOW Section 2 of the Prospective Contract that shall contain all Contract events and milestones. The PMS shall have correlated with the PWBS. The PMS shall have included activity network, activity GANTT / Program Evaluation Review Technique (PERT) charts, milestone, and critical path views of the project schedule, showing detailed and high level schedules with associated resources. This Plan shall have been detailed to the level at which all deliverable items required under the Contract are identified and accounted for by a work path that shows the interconnectivity of the various task. The PMS should be a minimum of 50 activities.
- 4.5.6.3. In the PMS, the relationship between the Work Packages and project deliverables shall have been clearly demonstrated as well as the schedule of sub-Contracted performance and deliveries shall have been clearly integrated into this Plan.
- 4.5.6.4. The Bidder shall have provided a preliminary Risk Assessment and Management Plan (RAMP) defining their strategy for risk management to meet the requirements as set forth in SOW Section 2 of the Prospective Contract. The Bidder shall have demonstrated the adequacy of monitoring and control activities to ensure early detection of problem areas and to schedule risk. The Bidder shall have identified the possible risks involved in the performance of the Contract and shall have convincingly demonstrated that his approach offers adequate, logical and pragmatic means for risk identification, assessment, mitigation, monitoring, and reporting the risks, as well as methods for overcoming setbacks to the project throughout the Contract duration.

- 4.5.6.5. The Bidder shall have provided a draft Documentation Submission Plan as detailed in SOW Section 15..
- 4.5.6.6. The Documentation Submission Plan shall not simply restate the SOW requirements.
- 4.5.7. **Communications and Information Systems (CIS)**
- 4.5.7.1. The Bidder shall have submitted a Preliminary System Engineering and Design Plan describing the preliminary design of the proposed System and including a preliminary System Safety Engineering Plan and a preliminary Electromagnetic Interference and Compatibility (EMI/EMC) Control Plan as sub-plans that conform to the requirements of SOW Section 4 of the Prospective Contract.
- 4.5.7.2. The Bidder shall have supported this design with such information as to convincingly demonstrate that the proposed design will meet the safety and security requirements as set forth in SOW Section 4 and Section 5 of the Prospective Contract as well as functional and technical requirements as set forth in SOW Annex-A to I of the Prospective Contract. Bidder's technical proposed design shall have provided detailed information on how the Bidder intends to meet all performance, functional or architectural requirements.
- 4.5.7.3. The PSEDP shall have provided detailed descriptions of how the proposed design shall have met each of the specific performance requirements/parameters of the areas detailed at SOW Section 4.
- 4.5.7.4. The bid shall have taken into account the constraints of the sites and number of simultaneous transmissions, as well EMC, in his technical proposal. An EMC study of the transmitter site shall have been submitted as part of the bid to show that Public and Occupational exposure levels are within international and national guidelines.
- 4.5.7.5. The Preliminary System Engineering and Design Plans shall have contained as much detail as is practicable in order to demonstrate that the system as delivered will meet the safety and security requirements as set forth in SOW Section 4 and SOW Section 5 as well as functional and technical requirements as set forth in SOW Annex-A to I.
- 4.5.7.6. The Bid shall have described the Bidder's approach to preparing and maintaining the Engineering Documentation Package throughout the design, integration, test and site surveys activities, ensuring consistency between all the documents included in that documentation package.
- 4.5.7.7. The bid shall include equipment specifications for each capability separately;

- 4.5.7.7.1. For each Hardware Contract Line Item Number (CLIN); the Bidder shall have included in his bid a detailed list of the COTS components proposed to be supplied as part of that CLIN. The product name, manufacturer name, and manufacturer's part number, version, or release number shall have been stated. If a generic or non-vendor specific component is proposed, the Bidder shall have provided the item name;
- 4.5.7.7.2. The Bidder shall have included in his bid a detailed specification sheet for each item of equipment the Bidder proposes to provide in satisfaction of contractual requirements;
- 4.5.7.7.3. With regard to major long-lead acquisition items, the Bidder shall provide a list that shall include the Contractor's primary choice and alternative choice for those items that are sub-contracted (assemblies and sub-assemblies) and that are considered to be on the 'Critical Path' to meeting the delivery schedule of the Contract;
- 4.5.7.7.4. The Contractor shall provide evidence that the intended equipment and the functionality of the required services and capabilities shall be available at the time of bid.
- 4.5.7.8. The Bidder shall demonstrate their comprehension of the system and that their proposal for the antenna farms of the 13 (thirteen) Radio Sites, Direct Line of Sight (DLOS) and long distance underground fibre where appropriate is feasible containing the location and physical arrangement of, but not limited to, antenna locations, ground planes (where applicable), transmission cable layouts represented at a suitable scale (no greater than 1:100 for layouts and no smaller than 1:25 for detailed drawings) on a site layout plan as well as locations of any new builds.".
- 4.5.7.9. The bidder shall provide evidence based on a design that has been tested and the results certified by a national authority, the test performance data shall also have been provided and data projections included for elements that were not tested.
- 4.5.7.10. The Bidder shall provide evidence that the hardware to be procured in accordance with this IFB meets the hardware specifications as defined in SOW Annex A, D and G. The evidence shall be in the form of product data sheets and/ or past performance in similar systems implemented by the Contractor in the last five (5) years.
- 4.5.8. **Civil Works**
- 4.5.8.1. The bidders Civil Works schedule shall meet the following requirements:
- 4.5.8.1.1. Presents the "civil works sub-project" integrated into the core of this project;

- 4.5.8.1.2. Is established taking into account all the requirements mentioned in this bidder's document, including the main milestone delivery dates (civil works and installation of transmission equipment, external services, etc.);
- 4.5.8.1.3. Shows necessary links between the specific civil works tasks and the other tasks of the core project;
- 4.5.8.1.4. Includes key tests and trials planned for prior to the technical acceptance of major equipment, site tests, provisional acceptance, etc.;
- 4.5.8.1.5. Shows 'critical path'.
- 4.5.8.2. The Bidder shall have included preliminary analysis, documents and drawings that address, at the minimum, the following criteria and make reference to the respective international standards or their THN equivalents:
  - 4.5.8.2.1. Building regulations;
  - 4.5.8.2.2. Stability;
  - 4.5.8.2.3. Functionality;
  - 4.5.8.2.4. Technical specifications;
  - 4.5.8.2.5. Fire protection;
  - 4.5.8.2.6. Physical security.
- 4.5.8.3. The Bidder shall have submitted for each radio site, preliminary and schematic graphics, drawings, layouts, calculations, and narrative that demonstrates their comprehension of the requirements including the following as a minimum::
  - 4.5.8.3.1. Nature of construction, demolishing, dismantling, refurbishment or new build works as well as installation works;
  - 4.5.8.3.2. Application – general description where and why major material and equipment are used / proposed for installation, construction, demolishing and dismantling works;
  - 4.5.8.3.3. Major equipment, installations and material performance parameters;
  - 4.5.8.3.4. Identification and general description of method of implementation for key works (including earth works, construction, installation, demolishing and dismantling works);
  - 4.5.8.3.5. General work schedule.

- 4.5.8.4. The Bidder shall have submitted the schematic design for each radio site. The schematic design shall make reference which international standards (or their THN equivalents) have been used for formats, numbering, legends, representations, symbols and other indications. That as a minimum shall include:
- 4.5.8.4.1. Floor plans;
  - 4.5.8.4.2. Site plans;
  - 4.5.8.4.3. Building elevations (all four sides - the east, west, north and south);
  - 4.5.8.4.4. General description of building systems (structural, mechanical, HVAC, plumbing, electrical, fuel distribution, firefighting, security, data and phone cabling), interior and exterior finishes, and the building site with supporting schematic and conceptual drawings.
- 4.5.8.5. The bidder shall have submitted preliminary drawings of the civil works infrastructure that demonstrates their comprehension of the requirement that will include as the minimum::
- 4.5.8.5.1. The general situational layout showing the construction site, the site installations, buildings, access to the site, cables, pipes etc. (scale 1/500);
  - 4.5.8.5.2. The general site plan (scale 1/500) including the demolition phases, accesses, roads and parking lots, buildings, foundations for antennas and other installations, fences, safety zones, location of fuel tanks and pipes etc.;
  - 4.5.8.5.3. Drainage installations (1/100 and / or 1/200 scale);
  - 4.5.8.5.4. Cables, pipes, ducts and trenches (1/100 and / or 1/200 scale);
  - 4.5.8.5.5. Key dimensions of main infrastructure (for example roads and parking lots, antenna fields).
- 4.5.8.6. The bidder shall have submitted preliminary drawings of buildings and miscellaneous constructions that demonstrates their comprehension of the requirement that will include as the minimum;
- 4.5.8.6.1. General plans/ layouts per building (1/100 scale);
  - 4.5.8.6.2. Key cross sections drawings (scale 1/50);
  - 4.5.8.6.3. The schematic plans and drawings of key construction details (scale 1/50, 1/20 or 1/10);
  - 4.5.8.6.4. General roof plans with outlets (1/100 scale);

- 4.5.8.6.5. Key dimensions of buildings, rooms and wall openings.
- 4.5.8.7. The bidder shall have submitted preliminary drawings of HVAC (scale 1/50 or 1/100 that demonstrates their comprehension of the requirement that will include as the minimum:
  - 4.5.8.7.1. General HVAC installation plans and drawings (with location of main equipment
  - 4.5.8.7.2. Ventilation ducts for air treatment installations, etc.;
  - 4.5.8.7.3. General drawings with layout of heating elements, ventilation equipment;
  - 4.5.8.7.4. In summary, the drawings and cross sections necessary to make the bidder's general proposal understandable
- 4.5.8.8. The bidder shall have submitted preliminary drawings of the fire protection and fighting system (scale 1/50 or 1/100) that demonstrates their comprehension of the requirement that will include as the minimum:
  - 4.5.8.8.1. Fire detection and fire alarm plans (with locations of the main components such as control panels, detectors, etc.).
- 4.5.8.9. The bidder shall have submitted preliminary drawings of the electrical system (scale 1/50 or 1/100) that demonstrates their comprehension of the requirement that will include as the minimum:
  - 4.5.8.9.1. General electrical installation plans and drawings (with location of the main components – main power distribution board, electrical distribution boards, UPS, battery rack, high -voltage cabin, etc.);
  - 4.5.8.9.2. General plans with indication of lighting points and sockets;
  - 4.5.8.9.3. Schematic diagram of the energy distributions including the distributions from the main power distribution board to the electrical distribution boards.
- 4.5.8.10. The bidder shall have submitted preliminary drawings of the ancillary equipment (scale 1/50 or 1/100) that demonstrates their comprehension of the requirement that will include as the minimum:
  - 4.5.8.10.1. A schematic plan per room showing key equipment offered (scale 1/20 of 1/10) with reference to the respective technical data sheets.
- 4.5.8.11. The bidder shall have submitted preliminary drawings of the roads, paved areas and landscaping that demonstrates their comprehension of the requirement that will include as the minimum:
  - 4.5.8.11.1. General plans and drawings (scale 1/100 and / or 1/200);

- 4.5.8.11.2. Major details of the structure of roads, parking lots, paths, sidewalks, etc. (scale 1/100 and / or 1/50);
- 4.5.8.11.3. General plans for landscaping
- 4.5.9. **Test and Evaluation**
- 4.5.9.1. The Bidder shall have submitted a preliminary version of the Test and Evaluation Plan for FAT, RSAT and SAT for the allocation of personnel and the time line for the Test activities that meets the overall requirements and objectives of SOW Section 10.
- 4.5.9.2. The plan shall also include a preliminary Security Test and Evaluation Plan (STEP) that meets the requirements set forth in SOW Section 5.
- 4.5.9.3. The Bidder shall have described the major components, sub-assemblies and assemblies that are proposed to be submitted for acceptance on the basis of prior testing and qualification and that are expected to undergo partial testing and/or extensive testing and evaluation.
- 4.5.9.4. If there are elements of the System proposed to be submitted on the basis of a Certificate of Conformity (CoC), based on prior test and qualification, the Bidder shall have provided a summary of the particulars, and especially the dates of the prior tests and for whom the testing was executed.
- 4.5.9.5. The Bidder shall have described how the proposed CoC or request for exemption of testing based on prior qualification will be processed from the QA and CM aspects.
- 4.5.9.6. The Bidder shall have adequately described the proposed methods to ensure that the testing is in compliance with the requirements of components, sub-assemblies and assemblies that are sub-contracted and tested at sub-Contractor facilities.
- 4.5.10. **Provisional System Acceptance (PSA) and Final Systems Acceptance (FSA)**
- 4.5.10.1. The Bidder shall have provided a preliminary System Acceptance Plan, by WBS, for the allocation of personnel and the time schedule to accomplish all of the activities required and to ensure the timely delivery of all documentation and other deliverables required for successful PSA and FSA.
- 4.5.11. **Security**
- 4.5.11.1. The Bidder shall have demonstrated how the system will manage access control. The bid shall have addressed the following in detail in accordance with the requirements of:

- 4.5.11.1.1. SOW Annex J, System Security Requirements – Section 2.2 – AC – Logical access control – AC.2 – Access control enforcement;
- 4.5.11.1.2. SOW Annex J, System Security Requirements – Section 2.2 – AC – Logical access control – H.ST – Segregation of tasks;
- 4.5.11.1.3. SOW Annex J, System Security Requirements – Section 2.2 – AC – Logical access control – AC.6 – Protection of remote diagnosis ports;
- 4.5.11.1.4. SOW Annex J, System Security Requirements – Section 2.8 – COM – Protection of Communications – COM.13 – Network access control.
- 4.5.11.2. The Bidder shall have described how the system will manage identification, authentication and authorisation. The bid shall have addressed the following in detail in accordance with the requirements:
  - 4.5.11.2.1. SOW Annex J, System Security Requirements – Section 2.1 IA – Identification and authentication – IA.3 – User identification;
  - 4.5.11.2.2. SOW Annex J, System Security Requirements – Section 2.1 IA – Identification and authentication – IA.5 – Special accounts (administration);
  - 4.5.11.2.3. SOW Annex J, System Security Requirements – Section 2.1 IA – Identification and authentication – IAM4 – Password based Authentication.
- 4.5.11.3. The Bidder shall have described how the system will defend against malicious software. The bid shall have addressed the following in detail in accordance with the requirements:
  - 4.5.11.3.1. SOW Annex J, System Security Requirements – Section 2.10 – Tools – Security tools – Tools.AV – Tool against harmful code (malware);
  - 4.5.11.3.2. SOW Annex J, System Security Requirements – Section 2.10 – Tools – Security tools – Tools.FIM – File Integrity Monitoring.
- 4.5.11.4. The Bidder shall have described how the system will generate and collect security logs. The bid shall have addressed the following in detail in accordance with the requirements of:
  - 4.5.11.4.1. SOW Annex J, System Security Requirements – Section 2.11 – Logging and audit – A.2 – Tools.
- 4.5.11.5. The Bidder shall have described what guides will be used to harden all system deliverables. The bid shall have addressed the following in detail in accordance with the requirements of:

- 4.5.11.5.1. SOW Section 5.3 – SSSB-UK-GR-NL System Security Design & Engineering;
- 4.5.11.5.2. SOW Annex J, System Security Requirements – Section 2.6 – SW – Protection of Software – SW.SC – Secure configuration baseline is applied;
- 4.5.11.5.3. SOW Annex J, System Security Requirements – Section 2.7 – HW – Protection of Hardware – HW.SC – Secure configuration baseline is applied;
- 4.5.11.5.4. SOW Annex J, System Security Requirements – Section 2.8 – COM - Protection of Communications – COM.SC – Secure configuration baseline is applied.
- 4.5.11.6. The Bidder shall have described how they will perform vulnerability management (CVE, testing specific vulnerabilities) throughout the project lifecycle. The bid shall have addressed the following in detail in accordance with the requirements of:
  - 4.5.11.6.1. SOW Section 5.7 – SSSB-UK-GR-NL Security Maintenance;
  - 4.5.11.6.2. SOW Section 5.8 – SSSB-UK-GR-NL System Security Obsolescence.
- 4.5.11.7. The Bidder shall describe how the project security (including supply chain security) will be achieved. The bid shall have addressed the following in detail in accordance with the requirements of:
  - 4.5.11.7.1. SOW Section 5.10 – SSSB-UK-GR Security enforcing Product;
  - 4.5.11.7.2. Project Security Instructions – Section 3.2.2 – Facility Security Clearance;
  - 4.5.11.7.3. Project Security Instructions – Section 2.1 – Records of Employees;
  - 4.5.11.7.4. Project Security Instructions – Section 2.1 – Records of Employees;
  - 4.5.11.7.5. Project Security Instructions – Section 2.3 – Personnel Security Clearances (PSCs);
  - 4.5.11.7.6. Project Security Instructions – Section 2.4 – Protection of NATO classified information;
  - 4.5.11.7.7. Project Security Instructions – Section 3.6 – Security Education;
  - 4.5.11.7.8. Project Security Instructions – Section 10.2 – Handling of NATO RESTRICTED Information on Information and Communication Systems (CIS).
- 4.5.12. **ILSP**

- 4.5.12.1. The Bidder shall have provided a draft ILSP, as detailed in the SOW section 9.2.4. The bid shall have addressed the following in detail in accordance with the requirements of Section 9 and Section 10:
  - 4.5.12.1.1. The Contractor's Integrated Logistic Support (ILS) organization, roles, responsibilities and procedures;
  - 4.5.12.1.2. ILS activities schedule with dependencies between different activities and deliverables;
  - 4.5.12.1.3. Maintenance and Support Concept (Maintenance Plan, detailed Maintenance Level definitions and tasks);
  - 4.5.12.1.4. Design Influence and interfaces with other functional/technical areas (planning activities as an annex to ILSP, while the actual data and methods to be covered under Support Case)
    - 4.5.12.1.4.1. Reliability, Availability, Maintainability and Testability (RAMT) Programme planning, activities, processes (including testing);
    - 4.5.12.1.4.2. Logistics Support Analysis planning, reporting (such as Logistics Support Analysis Requirements (LSAR)), activities and processes;
    - 4.5.12.1.4.3. Support Case;
  - 4.5.12.1.5. Planning of supply support (System Inventory, Codification, Recommended Spare Parts List (RSPL) and Recommended Consumables Items List (RCIL) template);
  - 4.5.12.1.6. Planning, resourcing, calculating, procuring and providing the Initial Provisioning (spares, consumables, support tools and test equipment)
  - 4.5.12.1.7. Computer Resources
  - 4.5.12.1.8. Manpower and Personnel Requirements
  - 4.5.12.1.9. Packaging, Handling, Storage and Transportation
  - 4.5.12.1.10. Technical Publications Development Plan
  - 4.5.12.1.11. Planning of supply chain security
  - 4.5.12.1.12. Planning of obsolescence management and monitoring (Parts Obsolescence Management Plan)
- 4.5.12.2. Bidders shall provide a detailed approach for the Maintenance and Support Concept in the draft ILS Plan.
  - 4.5.12.2.1. The Maintenance and Support Concept shall demonstrate the understanding of the different Maintenance and Support Levels, the

interfaces between these different levels, maintenance and support environment, constraints, locations, procedures, artefacts, organization, personnel skills, related ITIL processes and responsibilities between different parties to maintain the delivered baselines of the system in different phases of the lifecycle.

4.5.12.2.2. The Maintenance Concept shall explain how the logistics support resources (documentation, training, manpower and personnel, tools, supply support and test equipment etc.) will be designed, acquired and provided to enable the Purchaser to obtain the assigned maintenance level capabilities separately addressing system level, hardware (HW) and software (SW) level.

4.5.12.2.3. The draft Maintenance and Support Concept shall be compliant with the SOW requirements in Section 9.

#### 4.5.13. **ISSP**

4.5.13.1. The Bidder shall have provided a separate, stand-alone draft ISSP that is fully compliant with the requirements outlined in the Warranty and Optional CLS Annex/Addendum. The Bidder's ISSP shall detail the responsibilities and services until FSA and during the Warranty period, covering the following topics at minimum:

4.5.13.1.1. The Contractor's Support organization, roles, responsibilities, processes and procedures (between PSA and FSA; and during warranty);

4.5.13.1.2. Description of the system of interest (SOI);

4.5.13.1.3. Description of the integrated support concept, including the maintenance concept, warranty concept, customer support concept, service management & control concept, ITSM processes including but not limited to the incident, problem management, release and deployment management, and configuration and change management;

4.5.13.1.4. Brief description of the Purchaser and Host Nation maintenance and support organization; their interfaces and interactions with each other;

4.5.13.1.5. Description of sub-contractors, vendors and other third parties involved in warranty and support;

4.5.13.1.6. Description and allocation of operation, Service Management & Control (SM&C) and corrective and preventive maintenance tasks required to operate and maintain the system;

4.5.13.1.7. Description of the Sustainability measures (obsolescence management, failure reporting, performance monitoring, reliability and availability assessment and reporting);

- 4.5.13.1.8. Procedures to follow when any part of the system fails together with response times for analysis and resolution by the Contractor,
- 4.5.13.1.9. Comprehensive lists of all available spares, consumables, and software licenses, support software tools, COTS documentation, technical documentation, training documentation and manuals.
- 4.5.14. **CLS Plan**
- 4.5.14.1. The Bidder shall have provided a draft CLS Plan as an annex to the ISSP detailing the responsibilities and services under the optional CLS services during the warranty and post-warranty. The draft CLS Plan shall have covered the requirements outlined in Warranty and Optional CLS Annex/Addendum fully. The Bidder's CLS Plan shall be detailed enough to form a comprehensive understanding of how they propose to meet the optional CLS requirements of this SOW during warranty and post warranty periods separately. The CLS Plan shall detail the following::
  - 4.5.14.1.1. The Contractor's proposed CLS Management Organization;
  - 4.5.14.1.2. Description and details of the optional CLS services and sub-services that will be made available;
  - 4.5.14.1.3. SSSB Service Catalogue detailing how the Bidder will create, maintain and provide the services required by the SOW and associated KPI's;
  - 4.5.14.1.4. CLS Strategy, including intervention on each site, preventive and repair activities, spares replenishment plan and process,
  - 4.5.14.1.5. The location of the repair facilities that will be utilised, and/or the source within the corporate organization of the service and expertise required;
  - 4.5.14.1.6. Description of how CLS shall be fulfilled during times of crisis and conflict;
  - 4.5.14.1.7. Method for site personnel to inform CLS Contractor when spares have been used and when assistance is needed;
  - 4.5.14.1.8. Method of meeting, recording and evaluating the Contractor's performance during CLS and KPI's outlined in SOW;
  - 4.5.14.1.9. Description of the strategy for replacing hardware that can no longer be economically supported by the Contractor or sub-contractors.
  - 4.5.14.1.10. Description of how CM procedures will continue to be implemented on the hardware and software/firmware during the CLS period.
  - 4.5.14.1.11. Description of the proposed logistic and maintenance information processes,

- 4.5.14.1.12. Identification of the proposed sub-contractors/vendors during the CLS period, including the firm, the nation of origin, the major items (assemblies, sub-assemblies) or services.
- 4.5.14.1.13. Description of how the QA/QC Programme of the Prime Contractor and sub-contractors will meet the provisions of this Contract.
- 4.5.14.1.14. The CLS Plan shall not simply restate the SOW requirements or solely provide empty templates.
- 4.5.15.       **Support Case**
- 4.5.15.1.       The Bidder shall have provided a draft Support Case, in accordance with the requirements in SOW Section 8 and 9, and as detailed in the SOW section 8.5.2. The Support Case shall have provided sufficient details on how the LSA and RAMT Program will be managed, developed, resourced and maintained in accordance with the requirements. The Support Case shall have provided sufficient details including, but not limited to, the following to show the Bidder's approach and capability to perform the required LSA studies:
  - 4.5.15.1.1.     How various SRS and SOW RAMT requirements shall be integrated into the system design;
  - 4.5.15.1.2.     How LSA shall be performed including the creation of a draft LCN;
  - 4.5.15.1.3.     Task analysis shall be performed including inputs, methods, tools, standards and outputs (template and content for the proposed design);
  - 4.5.15.1.4.     Level of Repair (LORA) Analysis shall be performed (template and content in accordance with the proposed design);
  - 4.5.15.1.5.     Maintenance Allocation Chart (MAC) shall be provided (template and content in accordance with the proposed design);
  - 4.5.15.1.6.     Total cost of Ownership analysis shall be conducted;
  - 4.5.15.1.7.     Obsolescence Analysis and Management shall be performed;
  - 4.5.15.1.8.     Spare part calculations and reporting shall be undertaken, and spare and consumables set shall be provided (template and content in accordance with the proposed design);
  - 4.5.15.1.9.     How planning and execution of the O&M Procedures Verification Test shall be done with references to the Master Test Plan.
- 4.5.15.2.       The Support Case shall provide sufficient details including, but not limited to, the following to show the Bidder's approach and capability to perform the required RAMT studies:

- 4.5.15.2.1. RAMT allocation, prediction, calculation and testing activities shall be planned, resourced and performed;
- 4.5.15.2.2. RAMT allocation, prediction, RBD analysis shall be performed including calculations, inputs, methods, tools, standards and outputs;
- 4.5.15.2.3. FMECA shall be performed including inputs, methods, tools, standards and outputs;
- 4.5.15.2.4. FMECA report shall be provided as compliant with MIL-STD-1629A (template and content in accordance with the proposed design);
- 4.5.15.2.5. Testability report shall be provided (template and content in accordance with the proposed design);
- 4.5.15.2.6. How the verification and testing activities will be planned and performed;
- 4.5.15.3. The Support Case shall not simply restate the SOW requirements or solely provide empty templates.
- 4.5.16. **Training Plan (TP)**
- 4.5.16.1. Bidders shall have provided a draft training plan by creating the necessary sections to cover and detail all training related requirements outlined in Section 16.
- 4.5.16.2. The training plan shall detail how the Training Needs Analysis (TNA) will be performed with all possible deliverables, inputs and outputs to the process; which and how training materials will be provided, and how the courses will be conducted.
- 4.5.16.3. The training plan shall explain in detail how the Bidder will schedule, resource and manage the various training requirements (TNA, training schedule, training courses and material, training tools, media, training personnel, training reviews, meetings, assessment, evaluation and reporting) starting from the contract award until the acceptance.
- 4.5.16.4. The Training Plan shall not simply restate the SOW requirements or solely provide empty templates.
- 4.5.17. **Configuration Management Plan (CMP)**
- 4.5.17.1. The Bidder shall have provided a draft CMP in accordance with the ACMP-2009 and as detailed in the SOW Section 7.

- 4.5.17.2. This shall address all the CM sections (Organization, Configuration identification and Documentation, Baselines, Configuration control, Interface management, Change request Process, Configuration Status Accounting, Configuration Audits and Reviews and Configuration Management Tools) detailing the activities under each section to be compliant with the requirements.
- 4.5.17.3. The draft CMP shall at least cover how the CM process will be planned, managed, resourced, executed and provided including the organization and personnel, CM tools, directives and standards, meetings, reviews and deliverables (baselines, documents, CMDDB etc.).
- 4.5.17.4. The CMP shall not simply restate the SOW requirements.
- 4.5.18. **Quality Assurance (QA)**
- 4.5.18.1. The Bidder shall have provided a draft QA Plan as detailed in SOW Section 6.
- 4.5.18.2. The draft QA Plan shall provide sufficient information that the Quality Management processes and organization are in place for the project in accordance with AQAP-2110 and /or equivalent ISO standards.
- 4.5.18.3. The QA Plan shall detail QA procedures for requirements analysis, design, development, production, installation, test, acceptance, certification, support, defects and corrective actions, documentation, reviews and audits including subcontractor management specified for this project.
- 4.5.18.4. The QA Plan shall not simply restate the SOW requirements.

# Annex A. Cover Letter Bidding Sheets

## IFB-CO-15577-SSSB

On behalf of the firm stated below I hereby offer providing NCI Agency with the services and deliverables (collectively referred as "ITEMS") set forth in the attached schedules, at the specified prices, and subject to the terms and conditions stated in the referred IFB included but not limited to those expressed in the Annexes and enclosures.

Date : .....

Signature : .....

Name & Title : .....

Company : .....

Bid Reference : .....

**SEE SEPARATE BIDDING SHEETS**

## **Annex B. Prescribed Administrative Forms and Certificates**

See below

## Annex B-1. Certificate of Legal Name of Bidder

This Bid is prepared and submitted on behalf of the legal corporate entity specified below:

FULL NAME OF CORPORATION: \_\_\_\_\_

DIVISION (IF APPLICABLE): \_\_\_\_\_

SUB DIVISION (IF APPLICABLE): \_\_\_\_\_

OFFICIAL MAILING ADDRESS

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

E-MAIL ADDRESS: \_\_\_\_\_

TELEFAX No: \_\_\_\_\_

POINT OF CONTACT REGARDING THIS BID:

NAME: \_\_\_\_\_

POSITION: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

ALTERNATIVE POINT OF CONTACT:

NAME: \_\_\_\_\_

POSITION: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

.....  
Date

.....  
Signature of Authorised Representative

.....  
Title

.....  
Company

**Annex B-2. Acknowledgement of Receipt of IFB Amendments**

I confirm that the following amendments to Invitation for Bid n° IFB-CO-15577-SSSB have been received and the Bid, as submitted, reflects the content of such amendments.

<b>Amendment no.</b>	<b>Date Issued</b>	<b>of Date receipt</b>	<b>of Initials</b>

.....  
Date

.....  
Signature of Authorised Representative

.....  
Title

.....  
Company

### **Annex B-3. Certificate of Independent Determination**

It is hereby stated that:

- a. We have read and understand all documentation issued as part of IFB-CO-15577-SSSB. Our Bid submitted in response to the referred solicitation is fully compliant with the provisions of the IFB and the prospective contract.
- b. Our Bid has been arrived at independently, without consultation, communication or agreement, for the purpose of restricting competition, with any other Bidder or with any competitor;
- b. The contents of our Bid have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to award, directly or indirectly to any other Bidder or to any competitor; and
- c. No attempt has been made, or will be made by the Bidder to induce any other person or firm to submit, or not to submit, a Bid for the purpose of restricting competition.

Date : .....

Signature : .....

Name & Title : .....

Company : .....

Bid Reference : .....

**Annex B-4. Certificate of Bid Validity**

I, the undersigned, as an authorised representative of the firm submitting this Bid, do hereby certify that the pricing and all other aspects of our Bid will remain valid for a period of twelve (12) months from the Bid Closing Date of this Invitation for Bid.

.....  
Date

.....  
Signature of Authorised Representative

.....  
Title

.....  
Company

## **Annex B-5. Certificate of Exclusion of Taxes, Duties and Charges**

I hereby certify that the prices offered in the Price Quotation of this Bid exclude all taxes, duties and customs charges from which the Purchaser has been exempted by international agreement.

.....  
Date

.....  
Signature of Authorised Representative

.....  
Title

.....  
Company

## **Annex B-6. Comprehension and Acceptance of Contract Special and General Provisions**

The Bidder hereby certifies that he has reviewed the Special Contract Provisions and the NCIO General Provisions set forth in the Prospective Contract, Book II of this Invitation for Bid. The Bidder hereby provides his confirmation that he fully comprehends the rights, obligations and responsibilities of the Contractor as set forth in the Articles and Clauses of the Prospective Contract. The Bidder additionally certifies that the offer submitted by the Bidder is without prejudice, qualification or exception to any of the Terms and Conditions and he will accept and abide by the stated Special and General Provisions if awarded the contract as a result of this Invitation for Bid.

.....  
Date

.....  
Signature of Authorised Representative

.....  
Title

.....  
Company

## ANNEX B-7. Disclosure of Requirements for NCI Agency Execution of Supplemental Agreements

I, the undersigned, as an authorised representative of \_\_\_\_\_, certify the following statement:

All supplemental agreements, defined as agreements, documents and/or permissions outside the body of the Contract but are expected to be required by my Government, and the governments of my subcontractors, to be executed by the NCI Agency as a condition of my firm’s performance of the Contract, have been identified, as part of the Bid.

In addition, I confirm to take over from the incumbent all export controlled information, including but not limited to information governed by US (ITAR), French and Italian export control regulations, and take responsibility for further use in line with the requirements of the Contract.

These supplemental agreements are listed as follows and/or are relevant to the following items:

***(insert here list of supplemental agreements or specify “none” if there are no Supplemental Agreements)***

Examples of the terms and conditions of these agreements have been provided in our Offer. The anticipated restrictions to be imposed on NATO, if any, have been identified in our offer along with any potential conflicts with the terms, conditions and specifications of the Prospective Contract. These anticipated restrictions and potential conflicts are based on our knowledge of and prior experience with such agreements and their implementing regulations. We do not certify that the language or the terms of these agreements will be exactly as we have anticipated.

The processing time for these agreements has been calculated into our delivery and performance plans and contingency plans made in the case that there is delay in processing on the part of the issuing government(s).

We recognise that additional supplemental agreements, documents and permissions presented as a condition of Contract performance or MOU signature after our firm would be selected as the successful bidder may be cause for the NCI Agency to determine the submitted bid to be non-compliant with the requirements of the IFB;

We accept that should the resultant supplemental agreements issued in final form by the government(s) result in an impossibility to perform the Contract in accordance with its schedule, terms or specifications, the contract may be terminated by the Purchaser at no cost to either Party.

.....  
Date

.....  
Signature of Authorised Representative

.....  
Title

.....  
Company

## **Annex B-8. Certificate of Compliance AQAP or ISO 9001:2015 or Equivalent**

I hereby certify that \_\_\_\_\_(name of Company) possesses and applies Quality Assurance Procedures/Plans that are equivalent to the AQAP 2110 or ISO 9001:2015 as evidenced through the attached documentation<sup>1</sup>.

.....  
Date

.....  
Signature of Authorised Representative

.....  
Title

.....  
Company

---

<sup>1</sup> Bidders must attach copies of any relevant quality certification.

**Annex B-9. List of Prospective SubContractors**

Name and Address of Sub-Bidder	DUNS Number <sup>1</sup>	Primary Location of Work	Items/Services to be Provided	Estimated % of total Contract Value

Date : .....

Signature : .....

Name & Title : .....

Company : .....

Bid Reference : .....

---

<sup>1</sup> Data Universal Numbering System (DUNS). Bidders are requested to provide this data in order to help NCIA to correctly identify Subcontractors. If a Subcontractor's DUNS is not known this field may be left blank.

## Annex B-10. Bidder Background IPR

I, the undersigned, as an authorised representative of Bidder \_\_\_\_\_, warrant, represent, and undertake that:

- a. The Contractor Background IPR specified in the table below will be used for the purpose of carrying out work pursuant to the prospective Contract<sup>2</sup>.

ITEM	DESCRIPTION / IP OWNERSHIP	INDICATE IF COTS

- b. The stated Bidder has and will continue to have, for the duration of the prospective Contract, all necessary rights in and to the Background IPR specified above.
- c. The Background IPR stated above complies with the terms specified in Clause 19 of the Special Contract Provisions and shall be licensed to the Purchaser according to the terms and conditions specified therein and in Clause 30 of the NCIO General Contract Provisions.

Date : .....  
 Signature : .....  
 Name & Title : .....  
 Bid Reference : .....

<sup>2</sup> Indicate solely items the provision of which is necessary for the purpose of installing, maintaining and regularly operating the system (i.e. development environment, testing environment etc. items shall not be included).





### **Annex B-13. Certificate of Origin of Equipment, Services, and Intellectual Property**

The Bidder hereby certifies that, if awarded the Contract pursuant to this solicitation, he will perform the contract subject to the following conditions:

- (a) none of the work, including project design, labour and services shall be performed other than by firms from and within participating NATO member countries;
- (b) no material or items of equipment down to and including identifiable sub-assemblies shall be manufactured or assembled by a firm other than from and within a participating NATO member country. (A sub-assembly is defined as a portion of an assembly consisting of two or more parts that can be provisioned and replaced as an entity)\*; and
- (c) The intellectual property rights to all design documentation and related system operating software shall reside in NATO member countries, and no license fees or royalty charges shall be paid by the Bidder to firms, individuals or Governments other than within the NATO member countries.

Date : .....

Signature : .....

Name & Title : .....

Company : .....

Bid Reference : .....

### Annex B-14. List of Proposed Key Personnel

Position	SOW Reference	Labour Category	Name	Designation Period
Project Manager	2.2.3			EDC through Contract expiration date
Technical Lead	2.2.3			EDC through Contract expiration date
Test Director	2.2.3			EDC through Contract expiration date
ILS Manager	2.2.3			EDC through Contract expiration date

Date : .....

Signature : .....

Name & Title : .....

Company : .....

Bid Reference : .....

## **Annex B-15. Supply Chain Security Self-Attestation Statement**

[Name Contractor]

I hereby as [Contractor] affirm that the security of the supply chain for Commercial off the Shelf communication and information systems security enforcing products [...] has been assessed and assessed against the requirements attached hereto named 'Vendor Specific Requirements for Supply Chain Security' “

I endorse this supply chain security statement for the product [.....], which covers the following items:

- Supply Chain Security Program Governance
- Security in Manufacturing and Operations
- Security in Logistics
- NATO Information Protection
- Vendor Physical and Personnel Security
- Security in Service Management
- Security in Incident Management
- 3rd Party Supplier Management

I can supply supporting evidence if required.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Authorised Representative

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Company

## **Annex B-15.bis Vendor Specific Requirements for Supply Chain Security**

### **1. Supply Chain Security Program Governance**

- 1.1. The vendor of Security Enforcing product shall implement a governed supply chain security program.
- 1.2. This area of security governance describes the practices for a CIS product vendor's overall governance for Supply Chain security and compliance. The program shall cover the following issues:
  - 1.2.1. Governance model:
    - 1.2.1.1. Clearly defining Roles and responsibilities
    - 1.2.1.2. Taking into account key third party vendor and their Supply chain security conformance
  - 1.2.2. Security policies, standards and procedures:
    - 1.2.2.1. Include supply chain security issues in their quality baseline, especially dealing with delivery and manufacturing issues;
    - 1.2.2.2. Maintain a supplier management procedure in their quality baseline;
    - 1.2.2.3. Security incident response procedures
    - 1.2.2.4. Define supply chain security self-assessment and internal audit processes.
- 1.3. The vendor, to improve its practices, should:
  - 1.3.1. Develop and implement a Supply Chain security program including roles and responsibilities, with identifying clearly 3rd Party vendor.
  - 1.3.2. Conform with existing standard and practices like Assurance Life Cycle (ALC) assurance requirements of ISO/IEC 15408, Informational technology – Security techniques – Evaluation criteria for IT security
  - 1.3.3. Develop its policies to manage Supply Chain security risks in the following areas:
    - 1.3.3.1. Manufacturing and service operations
    - 1.3.3.2. Implementation control and validation processes
    - 1.3.3.3. Scrap management processes
    - 1.3.3.4. Cyber threat and vulnerability management
    - 1.3.3.5. Anomaly detection and investigation
    - 1.3.3.6. Counterfeit mitigation, integrity and trapping
    - 1.3.3.7. Compliance management to manufacturing specification note
    - 1.3.3.8. Conduct short-periodic assessments by independent third parties against supply chain security leading practices to identify potential gaps

### **2. Security in Manufacturing and Operations**

- 2.1. The governed supply chain security program shall address security in manufacturing and operations.
- 2.2. The area of security in manufacturing and operations describes the practices to protect against Supply Chain security threats and risks in manufacturing operations. It shall address, at least, the following:
  - 2.2.1. Security of production platform
  - 2.2.2. Security in Inventory Management
  - 2.2.3. Segregation of Duties
  - 2.2.4. Tracking and Accountability
  - 2.2.5. Scrap Management
  - 2.2.6. Tampering and Malicious Modification
  - 2.2.7. Counterfeit Mitigation
- 2.3. The CIS product vendor, to improve its practices, should:
  - 2.3.1. Implement controls to manage access to material inventory within the production environment.
  - 2.3.2. Maintain accounting of inventory throughout the production lifecycle.
  - 2.3.3. Maintain inventory tracking documentation and/or information for an appropriate agreed time period.
  - 2.3.4. CIS equipment/components should be marked with one or more markers such as company logo, forgery-proof part number to prevent counterfeiting.
  - 2.3.5. Implement applicable separation of duties controls to limit opportunities for counterfeiting, malicious modification and tampering.
  - 2.3.6. Scrap should be tracked and controlled until destroyed or deemed unusable.

### **3. Security in Logistics**

- 3.1. The governed supply chain security program shall address security in logistics.
- 3.2. The area of security in logistics describes the practices to protect against security threats and risks during storage and distribution of software, components and products through the Supply Chain. It shall address, at least, the following:
  - 3.2.1. Packaging Security
  - 3.2.2. Transportation Security, including tampering detection
  - 3.2.3. Secured Warehousing and Storage,
- 3.3. The CIS product vendor, to improve its practices, should:
  - 3.3.1. Ensure anonymity of client by implementing technical mechanism that doesn't require to show human-readable or direct information about client (example given: bar- code...).
  - 3.3.2. Implement a control policy for each equipment/component before their packaging.
  - 3.3.3. Ensure robust tamper detection by advanced mechanism (seal, secure packaging...).
  - 3.3.4. Implement anti-tamper mechanisms

- 3.3.5. Store proprietary material in an access controlled area.
- 3.3.6. Uniquely identify all shipped components using valid identification and tracking techniques (e.g., serial numbers, date codes, license labels).

#### **4. NATO Procurement and Sustainment Information Protection**

- 4.1. The governed supply chain security program shall address NATO procurement and sustainment information protection.
- 4.2. This area addresses the protection of all NATO information handled during the operation of the CIS product and all the services linked to its usage. It covers Information related to the support service and the hotline involved in the maintenance of the product during the sustain phase; Information required by an ancillary service, like signature pushing, necessary for the correct operation of the product and any residual information in equipment handled all along the sustain and end-of-life phases and scrap management The vendor shall address these issues by:
  - 4.2.1. Using of cryptographic mechanisms and products to protect sensitive information exchanged ;
  - 4.2.2. Setting up Information access controls
  - 4.2.3. Enforcing a network security policies regarding confidentiality consistent with the sensitivity data handled, which may include parameters for use of third party cloud service providers
- 4.3. The CIS product vendor, to improve its practices, should:
  - 4.3.1. Secure and control NATO and procurement and sustainment information in a manner such that:
  - 4.3.2. it limits the use for intended purpose;
  - 4.3.3. Limits the access to authorized personnel compliancy with need-to-know concept and cleared at the appropriate NATO level;
  - 4.3.4. Ensures segregation from that of other customers (e.g. separate information system customer directories).
  - 4.3.5. Ensure confidentiality of information during storage, scrapping and while in transit, using techniques as permitted by NATO directives.
  - 4.3.6. Implement all procedures and technical measures to prevent leakage of NATO procurement and sustainment information;
  - 4.3.7. Ensure anonymization or confidentiality of shipping and information gathered during the support and maintenance phases;
  - 4.3.8. Periodically have access control procedures, including visitor access, and all technics used to prevent leakage of information audited by independent control office.
  - 4.3.9. Ensure confidentiality of design and development information that could jeopardize product security.

#### **5. Vendor Physical and Personnel Security**

- 5.1. The governed supply chain security program shall address vendor physical and personnel security.

- 5.1.1. This area of personnel security describes the practices to protect NATO's operational or business confidential information when employees and contractors have physical access to such information on Vendor premises. It shall address, at least, the following:
- 5.1.1.1. Physical Access Controls and Monitoring, in compliance with NATO directive protection of such a confidential information at proper level
  - 5.1.1.2. Security training and awareness, in compliance with NATO directive on protection of such a confidential information at proper level
- 5.1.2. The CIS product vendor, to improve its practices, should:
- 5.1.2.1. Implement applicable physical access controls for entering as well as exiting facilities.
  - 5.1.2.2. Periodically have development and loading premises, including all remote network access point audited by independent control office
  - 5.1.2.3. Periodically review and update physical access entitlement and privilege. This review should be based on employee background, adjusting the roles.
  - 5.1.2.4. Deploy periodic security awareness campaigns and training to all personnel addressing the following areas, as applicable:
    - 5.1.2.4.1. Security and information protection practices against social engineering, phishing, malware etc.
    - 5.1.2.4.2. Information systems access
    - 5.1.2.4.3. Security incident detection and reporting
    - 5.1.2.4.4. Response to burglary, robbery and in-transit theft
    - 5.1.2.4.5. Visitor access and challenging un-identified persons or vehicles
    - 5.1.2.4.6. Management and disposal of scrap
    - 5.1.2.4.7. Detection of counterfeit items and malicious modification

## **6. Security in Service Management**

- 6.1. The governed supply chain security program shall address security in service management.
- 6.1.1. This area of service management describes the practices to continue to securely deliver support and ancillary services required for the security product to be operated - e.g. online services like signature server - and maintained - e.g. online update server - in an event of a service disruption. It shall address, at least, the following:
- 6.1.1.1. Security in Business Continuity Planning issues;
  - 6.1.1.2. Business Continuity Plan Testing procedures;
  - 6.1.1.3. Activity Recovery Plan.
- 6.1.2. The CIS product vendor, to improve its practices, should:
- 6.1.2.1. Implement security controls as part of business continuity efforts (e.g., processes, location) to ensure confidential information is protected during periods of disruption.

- 6.1.2.2. Implement vulnerability survey, both from customers and open sources.
- 6.1.2.3. Post-sale services and configuration support
- 6.1.2.4. Test business continuity plans for security periodically and update them based on the results of the testing.

## **7. Security in Incident Management**

- 7.1. The governed supply chain security program shall address security in incident management.
  - 7.1.1. This area of security incident management describes the practices to establish and implement a robust incident management process to identify, document and resolve security incidents. It shall address, at least, the following:
    - 7.1.1.1. Incident handling and response procedures
  - 7.1.2. The CIS product Vendor should:
    - 7.1.2.1. Establish capabilities to identify and respond to security incidents.
    - 7.1.2.2. Assign roles and responsibilities to personnel, including response procedures, to manage security incidents effectively.
    - 7.1.2.3. Review incident response plan periodically and update based on evolving security risks and threats.
    - 7.1.2.4. Vulnerability review and impact analysis on CIS product facilities.
    - 7.1.2.5. Implement analysis of 0-day incidents, including their impact on the supply chain.

## **8. 3rd Party Supplier Management**

- 8.1. The governed supply chain security program shall address 3rd party supplier management.
  - 8.1.1. This area of 3rd party security describes making multiple tiers of suppliers to a CIS product vendor to NATO aware of all applicable security practices. The prior vendor shall ask to their 1st tier of underlying suppliers/partners for an assessment of the suppliers' supply chain security expressing compliance to this directive. Direct vendors to NATO should make Supply chain security statement of their underlying suppliers available to the contracting authorities.
- 8.2. Direct vendors to NATO should provide 3rd party suppliers with this directive and make them aware of its content, both requirements and recommended practices.

## Annex B-16. Disclosure of Involvement of Former NCI Agency Employment

The Bidder hereby certifies that, in preparing its Bid, the Bidder did not have access to solicitation information prior to such information been authorized for release to Bidders (e.g. draft Statement of Work and Requirement Documentation).

The Bidder hereby acknowledges the post-employment measures applicable to former NCI Agency Personnel as per the NCI Agency Code of Conduct.

The Bidder hereby certifies that:

- Its personnel, at any tier, working as part of the company's team preparing the Bid have not held employment with NCI Agency within the last two years.
- It has obtained a signed statement from the former NCI Agency personnel below, who departed the NCI Agency within the last two years, that they were not previously involved in the project under competition (as defined in the extract of the NCI Agency Code of Conduct provided in Annex B-16bis of this IFB):

Employee Name	Former NCI Agency Position	Current Company Position

The Bidder also hereby certifies that it does not employ and/or receive services from former NCI Agency Personnel at grades A5 and above or ranks OF-5 and above, who departed the NCI Agency within the last 12 months. This prohibitions covers negotiations, representational communications and/or advisory activities.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Authorised Representative

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Company

## **Annex B-16.Bis NCI Agency AD. 05.00, Code of Conduct: Post Employment Measures**

1. The NCI Agency will not offer employment contracts to former NCI Agency Personnel who departed less than 2 years earlier, unless prior approval by the General Manager has been received.
2. Former NCI Agency Personnel will not be accepted as consultants or commercial counterparts for two (2) years after finalization of their employment at NCI Agency, unless the General Manager decides otherwise in the interest of the Agency and as long as NATO rules on double remuneration are observed. Such decision shall be recorded in writing. Commercial counterparts include owners or majority shareholders, key account managers, or staff members, agents or consultants of a company and/or subcontractors seeking business at any tier with the NCI Agency in relation to a procurement action in which the departing NCI Agency staff member was involved when he/she was under the employment of the NCI Agency. As per the Prince 2 Project methodology, a Project is defined as a "temporary organization that is created for the purpose of delivering one or more business products according to an agreed business case". For the purpose of this provision, involvement requires (i) drafting, review or coordination of internal procurement activities and documentation, such as Statement of Work and Statement of Requirement; and/or (ii) access to procurement information that has not yet been authorized for release for outside distribution, including draft statements of work and requirement documentations; and/or (iii) being appointed as a representative to the Project governance (e.g., Project Board) with access to procurement information as per (ii) above; and/or (iv) having provided strategic guidance to the project, with access to procurement information as per (ii) above.
3. In addition to paragraph 2 above, former NCI Agency Personnel at grades A5 and above or ranks OF-5 and above are prohibited during twelve months following the end of their employment with the NCI Agency from engaging in negotiations, representational communications and/or advisory activities with the NCI Agency on behalf of a private entity, unless this has been agreed in advance by the NCI Agency General Manager and notified to the Agency Supervisory Board (ASB).
4. NCI Agency Personnel leaving the Agency shall not contact their former colleagues in view of obtaining any information or documentation about procurement activities' not-yet-authorized release. NCI Agency Personnel shall immediately report such contacts to the Director of Acquisition.
5. The ASB Chairman will be the approving authority upon recommendation by the Legal Adviser when the NCI Agency Personnel concerned by the above is the NCI Agency General Manager and will notify the ASB.
6. NCI Agency Personnel leaving the Agency shall sign a statement that they are aware of the post-employment measures set out in this Directive.

## Annex C. Bid Guarantee - Standby Letter of Credit

Standby Letter of Credit Number: \_\_\_\_\_

Issue Date: \_\_\_\_\_

Beneficiary: NCI Agency, Financial Management Office  
Boulevard Leopold III, B-1110, Brussels  
Belgium

Expiry Date: \_\_\_\_\_

1. We, (issuing bank) hereby establish in your favour our irrevocable standby letter of credit number {number} by order and for the account of (NAME AND ADDRESS OF BIDDER) in the original amount of € 300,000 (Three Hundred Thousand Euro). We are advised this Guarantee fulfils a requirement under Invitation for Bid CO-15577-SSSB dated \_\_\_\_\_.

2. Funds under this standby letter of credit are available to you upon first demand and without question or delay against presentation of a certificate from the NCI Agency Contracting Officer that:

a) (NAME OF BIDDER) has submitted a Bid and, after Bid Closing Date (including extensions thereto) and prior to the selection of the best value compliant Bid, has withdrawn his Bid, or stated that he does not consider his Bid valid or agree to be bound by his Bid, or

b) (NAME OF BIDDER) has submitted a Bid determined by the Agency to be the best value compliant Bid, but (NAME OF BIDDER) has declined to execute the contract offered by the Agency, such contract being consistent with the terms of the Invitation for Bid, or

c) The NCI Agency has offered (NAME OF BIDDER) the contract for execution but (NAME OF BIDDER) has been unable to demonstrate compliance with the security requirements of the contract within a reasonable time, or

d) The NCI Agency has entered into the contract with (NAME OF BIDDER) but (NAME OF BIDDER) has been unable or unwilling to provide the Performance Guarantee required under the terms of the contract within the time frame required.

3. This Letter of Credit is effective the date hereof and shall expire at our office located at (Bank Address) on \_\_\_\_\_. All demands for payment must be made prior to the expiry date.

4. It is a condition of this letter of credit that the expiry date will be automatically extended without amendment for a period of sixty (60) calendar days from the current or any successive expiry date unless at least thirty (30) calendar days prior to the then current expiry date the NCI Agency Contracting Officer notifies us that the Letter of

Credit is not required to be extended or is required to be extended for a shorter duration.

5. We may terminate this letter of credit at any time upon sixty (60) calendar days notice furnished to both (NAME OF BIDDER) and the NCI Agency by registered mail.

6. In the event we (the issuing bank) notify you that we elect not to extend the expiry date in accordance with paragraph 4 above, or, at any time, to terminate the letter of credit, funds under this credit will be available to you without question or delay against presentation of a certificate signed by the NCI Agency Contracting Officer which states

“The NCI Agency has been notified by {issuing bank} of its election not to automatically extend the expiry date of letter of credit number {number} dated {date} pursuant to the automatic renewal clause (or to terminate the letter of credit). As of the date of this certificate, no suitable replacement letter of credit, or equivalent financial guarantee has been received by the NCI Agency from, or on behalf of (NAME OF BIDDER), and the NCI Agency, as beneficiary, hereby draws on the standby letter of credit number \_\_\_\_\_ in the amount of € (Amount up to the maximum available under the LOC), such funds to be transferred to the account of the Beneficiary number \_\_\_\_\_ (to be identified when certificate is presented).”

Such certificate shall be accompanied by the original of this letter of credit and a copy of the letter from the issuing bank that it elects not to automatically extend the standby letter of credit, or terminating the letter of credit.

7. The Beneficiary may not present the certificate described in paragraph 6 above until 20 (twenty) calendar days prior to a) the date of expiration of the letter of credit should {issuing bank} elect not to automatically extend the expiration date of the letter of credit, b) the date of termination of the letter of credit if {issuing bank} notifies the Beneficiary that the letter of credit is to be terminated in accordance with paragraph 6 above.

8. Multiple drawings are allowed.

9. Drafts drawn hereunder must be marked, “Drawn under {issuing bank} Letter of Credit No. {number}” and indicate the date hereof.

10. This letter of credit sets forth in full the terms of our undertaking, and this undertaking shall not in any way be modified, amended, or amplified by reference to any document, instrument, or agreement referred to herein (except the International Standby Practices (ISP 98) hereinafter defined) or in which this letter of credit is referred to or to which this letter of credit relates, and any such reference shall not be deemed to incorporate herein by reference any document, instrument, or agreement.

11. We hereby engage with you that drafts drawn under and in compliance with the terms of this letter of credit will be duly honoured upon presentation of documents to us on or before the expiration date of this letter of credit.

12. This Letter of Credit is subject to The International Standby Practices-ISP98 (1998 Publication) International Chamber of Commerce Publication No.590.

## **Annex D. IFB-CO-15577-SSSB Non-Disclosure Undertaking**

### 1. COMPANY SIGNING THE UNDERTAKING

Insert Name of Company located in Insert Address (hereinafter referred to as “**Company**”) and its officers, directors and employees (being permanent, temporary, full-time, part-time, or staff that has been hired as consultants by the said company) agree to be bound by the terms of this undertaking (the “**Undertaking**”).

### 2. BACKGROUND

In order to allow potential bidders to prepare a bid under IFB-CO-15577-SSSB, Confidential Information, as defined below, will be released to potential Bidders that have duly executed this Undertaking.

### 3. CONFIDENTIAL INFORMATION

For the purposes of this Undertaking, Confidential Information shall include the following items, regardless of the classification marked on the documents:

- All Documentation and materials included in SSSB IFB Bidders’ Library
- All documentation and briefings supporting the SSSB Bidders Conference

### 4. RIGHT OF USE

4.1 Company is authorised to use the Confidential Information for the sole purpose of preparing a bid for IFB-CO-15577-SSSB and for a limited period not to exceed the completion of the bid evaluation period (as notified by the Purchaser) for IFB-CO-15577-SSSB. This period shall be extended automatically if Company is determined to be the Successful Bidder until the effective date of Contract CO- IFB-CO-15577-SSSB, which shall then govern the terms of use and disclosure of the Confidential Information.

4.2 The Confidential Information will be delivered “as is”. Company acknowledges that the Confidential Information is released without any acceptance of liability for damages of any kind including but not limited to incidental, special or consequential damages sustained by the Company as a result of the usage of the Confidential Information.

4.3 Any cost involved with the use of the Confidential Information is the sole responsibility of the Company.

4.4 On completion of the bidding process in relation to Invitation For Bid IFB-CO-15577-SSSB and at the latest five (5) working days after notification that Company is not the successful Bidder, Company shall return to NCI Agency, or destroy, the

Confidential Information and provide NCI Agency with a written statement that Company has returned the original Confidential Information and all copies or destroyed the original Confidential Information and all copies.

## 5. NON-DISCLOSURE

5.1. Company shall not disclose the Confidential Information to any third party and shall limit the disclosure internally to those of its officers, directors, employees (being permanent, temporary, full-time, part-time, or staff that has been hired as consultants by the said company) on a need to know basis and provided that these officers, directors, employees (being permanent, temporary, full-time, part-time, or staff that has been hired as consultants by the said company) are bound by a non-disclosure agreement or an adequate confidentiality clause covering the Confidential Information disclosed on the basis of this Undertaking.

5.2 Should any portion of the Confidential Information falls within any of the following provisions, such portion of the Confidential Information is released from the protection provided under this Undertaking from the date such provision becomes effective:

- Information which is or becomes part of the public domain without breach of this Undertaking;
- Information which is received after the signature of this Undertaking by Company from a third party who did not obtain or disclose it in violation of any rights of the NCI Agency;
- Information which is already known by Company, which is legally allowed to use it, at the time of signature of this Undertaking, which the Company can substantiate by written evidence;
- Information which is publicly disclosed with the prior written approval of the NCI Agency; and Information which is independently developed by an employee of the Company who did not have access to the Confidential Information and independent development is substantiated by sufficient evidence.

## 6. DISPUTE RESOLUTIONS

All disputes arising as a result of this Undertaking shall be subject to the dispute resolution procedure as detailed below:

6.1. Dispute resolution shall be governed, interpreted and construed in accordance with the private contract law of the Kingdom of Belgium.

6.2. All disputes arising under, or which are related to this Undertaking or with respect to its effectiveness shall be resolved by consultation. If no agreement can be found, either NCI AGENCY or the Company may open arbitration proceedings in accordance with the following arbitration provisions.

6.3. The party instituting the arbitration proceedings shall advise the other party by registered letter, with official notice of delivery, of his desire to have recourse to

arbitration. Within a period of thirty (30) days from the date of receipt of this letter, NCI AGENCY and the Company shall jointly appoint an arbitrator. In the event of failing to appoint an arbitrator, the dispute or disputes shall be submitted to an Arbitration Tribunal consisting of three arbitrators, one being appointed by NCI AGENCY, another by the Company and the third, who shall act as President of the Tribunal, by these two arbitrators. Should NCI AGENCY or the Company fail to appoint an arbitrator during the fifteen (15) days following the expiration of the said first period, the appointment shall be made, within twenty-one (21) days, at the request of the party instituting the proceedings, by the Secretary General of the Permanent Court of Arbitration at The Hague.

6.4. Regardless of the procedure concerning the appointment of this Arbitration Tribunal, the third arbitrator will have to be of a nationality different from the nationality of the other two members of the Tribunal. Any arbitrator must be of the nationality of any one of the member states of the NATO and shall be bound by the rules of security in force within NATO.

6.5. Any person appearing before the Arbitration Tribunal in the capacity of an expert witness shall, if he is of the nationality of one of the member states of the NATO, be bound by the rules of security in force within NATO; if he is of another nationality, no NATO classified documents or information shall be communicated to him.

6.6. An arbitrator, who, for any reason whatsoever, ceases to act as an arbitrator, shall be replaced under the procedure laid down in paragraph 6.3 above.

6.7. The Arbitration Tribunal will take its decisions by a majority vote. It shall decide where it will meet and, unless it decides otherwise, shall follow the arbitration procedures of the International Chamber of Commerce in force at the date of signature of the present Undertaking. The awards of the arbitrator or of the Arbitration Tribunal shall be final and there shall be no right of appeal or recourse of any kind. These awards shall determine the appointment of the arbitration expenses.

## 7. GENERAL PROVISIONS

7.1. Nothing in this Undertaking shall be construed as granting or conferring any proprietary rights to the Company on the Confidential Information.

7.2 This Undertaking shall enter into effect on the date of signature. The confidentiality obligation under this Undertaking shall remain in effect for a period of 5 years following completion of the evaluation of IFB-CO-15577-SSSB.

On behalf of Company

\_\_\_\_\_  
Name:

Title:

Date:

## **Annex E. Clarification Requests Form**

Company Name \_\_\_\_\_ Submission Date \_\_\_\_\_

### **INVITATION FOR BID IFB-CO-15577-SSSB**

### **CLARIFICATION REQUESTS FORM**

<b>ADMINISTRATION or CONTRACTING</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
A.1				
A.2				
A.3				

<b>PRICE</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
P.1				
P.2				
P.3				

<b>TECHNICAL</b>				
<b>Serial NR</b>	<b>IFB REF</b>	<b>QUESTION</b>	<b>ANSWER</b>	<b>Status</b>
T.1				
T.2				
T.3				

## Annex F. IFB-CO-15577-SSSB CV Template

Company name

Proposed Role: [Click here to enter text](#)

Proposed Team: [Please select](#)

Key Personnel:

Clearance Level: [Please select](#)

Employment History		
Company (most recent first)	Position	Dates
Summary of role	Click here to enter text	
Summary relevance of	Click here to enter text	
Company	Position	Dates
Summary of role	Click here to enter text	
Summary relevance of	Click here to enter text	
Company	Position	Dates
Summary of role	Click here to enter text	
Summary relevance of	Click here to enter text	
Summary of other experience		
Click here to enter text		

Education, Qualifications and Professional Membership				
Year	Qualification	Institution	Grade/Level	
Relevant Experience				
Domain Experience <i>(describe experience and specify level of experience as Expert, Extensive, Familiar, or Limited<sup>1</sup>)</i>				
Summary of experience with NATO and SSSB systems and capability areas				
Role-Specific Skills and Experience <i>(describe experience and specify level of experience as Expert, Extensive, Familiar, or Limited<sup>1</sup>)</i>				
Summary of skills and experience relevant to the proposed role				
Tools and Methodologies <i>(describe experience and specify level of experience as Expert, Extensive, Familiar, or Limited<sup>1</sup>)</i>				
Summary of experience with relevant tools and methodologies				
International Working Environments				
Summary of experience working in NATO or similar international working environments				
Language Proficiency <i>(as defined in STANAG 6001)</i>				
	Listening	Speaking	Reading	Writing
English (working language)	Select Level	Select Level	Select Level	Select Level

<sup>1</sup> **Expert** – is recognised by peers as a subject matter expert through experience, published work, and/or qualifications  
**Extensive** – has direct experience accumulated over a number of years, and relevant qualifications where applicable  
**Familiar** – has some direct experience, more extensive experience in a related area, and/or has undertaken relevant training  
**Limited** – has awareness through indirect experience or related work

## **Annex G. Cross Reference - Traceability Matrix**

Company Name \_\_\_\_\_

### **INVITATION FOR BID**

**IFB-CO-15577-SSSB**

### **CROSS REFERENCE - TRACEABILITY MATRIX**

Bid Instruction Paragraph.	Bid Evaluation Paragraph	Evaluation Criteria	Bid Reference
3.5.1.	4.5.1.	Executive Summary	
3.5.1.1.	4.5.1.1.	The bid provides an overview of the salient features of their technical proposal in the form of an executive summary..	
3.5.1.2.	4.5.1.2.	The Bid provides an executive summary between 10 and 15 pages in length that demonstrates a clear description of the major points contained in each of the required sections of the technical proposal and shall demonstrate the depth of the Bidder's understanding of the project, implementation environment and the problems and risks of project implementation. It should also summarize the strengths which the Bidder and its team bring to the project in terms of minimising the problems and reducing the risks as perceived and specified by the bidder. Finally, it should highlight the key points of the technical approach and solution that the Bidder believes deserves recognition..	
3.5.2.	4.5.2.	Table of Contents	
3.5.2.1.	4.5.2.1.	The Bidder shall have compiled a detailed Table of Contents which lists not only the section headings but also the major sub-sections, and topic headings required set forth in these Instructions or implicit in the organisation of the Technical Proposal.	
3.5.3.	4.5.3.	Key Personnel	
3.5.3.1.	4.5.3.1.	The bid shall provide the resumes of the individuals designated as Key Personnel to this project. For each role identified (at least one person per role and a maximum of one role per person), the resumes shall demonstrate that they have the expected knowledge, capability and experience to meet the requirements of this Contract. The key personnel are::	
3.5.3.1.1.	4.5.3.1.1.	Project Manager;	
3.5.3.1.2.	4.5.3.1.2.	Technical Lead;	
3.5.3.1.3.	4.5.3.1.3.	Test Director;	
3.5.3.1.4.	4.5.3.1.4.	ILS Manager.	

3.5.3.2.	4.5.3.2.	Bidders shall provide for all of the above Key personnel at least one of the following valid Certificates:	
3.5.3.2.1.	4.5.3.2.1.	Standardized Language Proficiency (SLP) of 3333 in English corresponding to NATO STANAG 6001;	
3.5.3.2.2.	4.5.3.2.2.	Common European Framework of Reference for Languages (CEFR) C1 for the English language;	
3.5.3.2.3.	4.5.3.2.3.	Test of English as a Foreign Language (TOEFL) Internet-based Test (iBT) 110 - 120;	
3.5.3.2.4.	4.5.3.2.4.	Cambridge English Language Assessment CPE (45 to 59)/ CAE grade B or C / FCE grade A;	
3.5.3.2.5.	4.5.3.2.5.	International English Language Testing System (IELTS) 6 points;	
3.5.3.2.6.	4.5.3.2.6.	Bachelor's Degree or Higher from an accredited Institution in which program of study has been completed fully in the English language.	
3.5.4.	4.5.4.	Corporate Experience	
3.5.4.1.	4.5.4.1.	The Bid describes the corporate structure of the Contractor and the administration of the prospective Project within the overall corporate structure. This information, labelled as "Corporate Capability", indicates the chain of authority within the Contractor's Organization from the Project Manager to the Chief Executive Officer..	
3.5.4.2.	4.5.4.2.	The Bid describes the corporate resources that are available to support the Project which are resident in the Organization of the Contractor but not directly under the authority of the Project Manager..	
3.5.4.3.	4.5.4.3.	The Bid describes the Corporate Experience that provides evidence of relevant and recent experience of the Bidder in the design, implementation and integration of projects similar to the subject procurement..	
3.5.4.4.	4.5.4.4.	Bidders shall describe the Corporate Experience that shall provide evidence of relevant and recent experience of the Bidder in the design, implementation and integration of projects similar to the subject procurement..	

3.5.4.5.	4.5.4.5.	The Bid provides relevant and successful corporate experience in at least two Contracts within the last five years for which the Bidder has executed the design, configuration, installation, integration and testing of similar systems to meet military or government requirements. For each of the Contracts the following data has been provided::	
3.5.4.5.1.	4.5.4.5.1.	A description of the key requirements and how far these requirements were met by the solution fielded, preferably with customer evaluation report.	
3.5.4.5.2.	4.5.4.5.2.	A brief description of the financial and physical scope of the project including the number of systems deployed/delivered.	
3.5.4.5.3.	4.5.4.5.3.	The purchaser(s) of these systems.	
3.5.4.5.4.	4.5.4.5.4.	The user(s) of these systems.	
3.5.4.5.5.	4.5.4.5.5.	The Contract number(s).	
3.5.4.5.6.	4.5.4.5.6.	The start date and end date of the Contract.	
3.5.4.5.7.	4.5.4.5.7.	A valid Point of Contact for verification purposes.	
3.5.4.6.	4.5.4.6.	The Bid provides relevant and successful corporate experience in at least two Contracts within the last five years of the major sub-Contractors for the delivery of projects similar to the respective parts the subject procurement. For each of the Contracts the following data has been provided:	
3.5.4.6.1.	4.5.4.6.1.	A description of the key requirements and how far these requirements were met by the solution fielded, preferably with customer evaluation report;	
3.5.4.6.2.	4.5.4.6.2.	A brief description of the financial and physical scope of the project including the number of systems deployed/delivered;	
3.5.4.6.3.	4.5.4.6.3.	The purchaser(s) of these systems;	
3.5.4.6.4.	4.5.4.6.4.	The user(s) of these systems;	
3.5.4.6.5.	4.5.4.6.5.	The Contract number(s);	
3.5.4.6.6.	4.5.4.6.6.	The start date and end date of the Contract;	

3.5.4.6.7.	4.5.4.6.7.	A valid Point of Contact for verification purposes.	
3.5.4.7.	4.5.4.7.	The bidder shall include the following information regarding their proposed sub-contractors::	
3.5.4.7.1.	4.5.4.7.1.	Architecture and Engineering (A/E) company - the sub-contractor in charge of and responsible for the studies, designs and the control of the civil works (possibly more than one company, for example one for each country: Netherlands (NLD), United Kingdom (GBR), Greece (GRC).	
3.5.4.7.2.	4.5.4.7.2.	Civil Works execution company - the sub-contractor who will execute the works according to the design (possibly more than one company, for example one for each country: NLD, GBR, GRC).	
3.5.4.7.3.	4.5.4.7.3.	Health and Safety (H&S) Coordinator - the sub-contractor qualified and capable of being responsible for H&S of the study phase, design and, if the bid is selected, for the safety coordination in execution phase (possibly more than one coordinator, for example one for each country: NLD, GBR, GRC)	
3.5.5.	4.5.5.	Plans and documentation	
3.5.5.1.	4.5.5.1.	The Bidder shall have submitted a preliminary Project Management and Control Plan (PMCP) that conforms to the requirements of SOW Section 2 of the Prospective Contract. This plan shall have identified the significant tasks to be accomplished and the items to be delivered in the execution of the Contract. The preliminary Project Work Breakdown Structure (PWBS), the preliminary Project Master Schedule (PMS) and supporting charts shall have thoroughly described the steps necessary to achieve delivery of the SSSB System within the Contract terms and schedule. The preliminary PMCP shall have been logical and realistic, demonstrating the Bidder's appreciation of the complexity of the Project and his experience in managing large programmes.	

3.5.5.2.	4.5.5.2.	The Contractor shall also have developed a preliminary Project Master Schedule (PMS) in accordance with SOW Section 2 of the Prospective Contract that shall contain all Contract events and milestones. The PMS shall have correlated with the PWBS. The PMS shall have included activity network, activity GANTT / Program Evaluation Review Technique (PERT) charts, milestone, and critical path views of the project schedule, showing detailed and high level schedules with associated resources. This Plan shall have been detailed to the level at which all deliverable items required under the Contract are identified and accounted for by a work path that shows the interconnectivity of the various task. The PMS should be a minimum of 50 activities.	
3.5.5.3.	4.5.5.3.	In the PMS, the relationship between the Work Packages and project deliverables shall have been clearly demonstrated as well as the schedule of sub-Contracted performance and deliveries shall have been clearly integrated into this Plan.	
3.5.5.4.	4.5.5.4.	The Bidder shall have provided a preliminary Risk Assessment and Management Plan (RAMP) defining their strategy for risk management to meet the requirements as set forth in SOW Section 2 of the Prospective Contract. The Bidder shall have demonstrated the adequacy of monitoring and control activities to ensure early detection of problem areas and to schedule risk. The Bidder shall have identified the possible risks involved in the performance of the Contract and shall have convincingly demonstrated that his approach offers adequate, logical and pragmatic means for risk identification, assessment, mitigation, monitoring, and reporting the risks, as well as methods for overcoming setbacks to the project throughout the Contract duration.	
3.5.5.5.	4.5.5.5.	The Bidder shall have provided a draft Documentation Submission Plan as detailed in SOW Section 15..	
3.5.5.6.	4.5.5.6.	The Documentation Submission Plan shall not simply restate the SOW requirements.	
3.5.6.	4.5.6.	Communications and Information Systems (CIS)	

3.5.6.1.	4.5.6.1.	The Bidder shall have submitted a Preliminary System Engineering and Design Plan describing the preliminary design of the proposed System and including a preliminary System Safety Engineering Plan and a preliminary Electromagnetic Interference and Compatibility (EMI/EMC) Control Plan as sub-plans that conform to the requirements of SOW Section 4 of the Prospective Contract.	
3.5.6.2.	4.5.6.2.	The Bidder shall have supported this design with such information as to convincingly demonstrate that the proposed design will meet the safety and security requirements as set forth in SOW Section 4 and Section 5 of the Prospective Contract as well as functional and technical requirements as set forth in SOW Annex-A to I of the Prospective Contract. Bidder's technical proposed design shall have provided detailed information on how the Bidder intends to meet all performance, functional or architectural requirements.	
3.5.6.3.	4.5.6.3.	The PSEDP shall have provided detailed descriptions of how the proposed design shall have met each of the specific performance requirements/parameters of the areas detailed at SOW Section 4.	
3.5.6.4.	4.5.6.4.	The bid shall have taken into account the constraints of the sites and number of simultaneous transmissions, as well EMC, in his technical proposal. An EMC study of the transmitter site shall have been submitted as part of the bid to show that Public and Occupational exposure levels are within international and national guidelines.	
3.5.6.5.	4.5.6.5.	The Preliminary System Engineering and Design Plans shall have contained as much detail as is practicable in order to demonstrate that the system as delivered will meet the safety and security requirements as set forth in SOW Section 4 and SOW Section 5 as well as functional and technical requirements as set forth in SOW Annex-A to I.	
3.5.6.6.	4.5.6.6.	The Bid shall have described the Bidder's approach to preparing and maintaining the Engineering Documentation Package throughout the design, integration, test and site surveys activities, ensuring consistency between all the documents included in that documentation package.	

	4.5.6.7.	The bid shall include equipment specifications for each capability separately;	
3.5.6.7.	4.5.6.7.1.	For each Hardware Contract Line Item Number (CLIN); the Bidder shall have included in his bid a detailed list of the COTS components proposed to be supplied as part of that CLIN. The product name, manufacturer name, and manufacturer's part number, version, or release number shall have been stated. If a generic or non-vendor specific component is proposed, the Bidder shall have provided the item name;	
	4.5.6.7.2.	The Bidder shall have included in his bid a detailed specification sheet for each item of equipment the Bidder proposes to provide in satisfaction of contractual requirements;	
	4.5.6.7.3.	With regard to major long-lead acquisition items, the Bidder shall provide a list that shall include the Contractor's primary choice and alternative choice for those items that are sub-contracted (assemblies and sub-assemblies) and that are considered to be on the 'Critical Path' to meeting the delivery schedule of the Contract;	
	4.5.6.7.4.	The Contractor shall provide evidence that the intended equipment and the functionality of the required services and capabilities shall be available at the time of bid.	
3.5.6.8.	4.5.6.8.	The Bidder shall demonstrate their comprehension of the system and that their proposal for the antenna farms of the 13 (thirteen) Radio Sites, Direct Line of Sight (DLOS) and long distance underground fibre where appropriate is feasible containing the location and physical arrangement of, but not limited to, antenna locations, ground planes (where applicable), transmission cable layouts represented at a suitable scale (no greater than 1:100 for layouts and no smaller than 1:25 for detailed drawings) on a site layout plan as well as locations of any new builds..	
3.5.6.9.	4.5.6.9.	The bidder shall provide evidence based on a design that has been tested and the results certified by a national authority, the test performance data shall also have been provided and data projections included for elements that were not tested.	

3.5.6.10.	4.5.6.10.	The Bidder shall provide evidence that the hardware to be procured in accordance with this IFB meets the hardware specifications as defined in SOW Annex A, D and G. The evidence shall be in the form of product data sheets and/ or past performance in similar systems implemented by the Contractor in the last five (5) years.	
3.5.7.	4.5.7.	Civil Works	
3.5.7.1.	4.5.7.1.	The bidders Civil Works schedule shall meet the following requirements:	
3.5.7.1.1.	4.5.7.1.1.	Presents the "civil works sub-project" integrated into the core of this project;	
3.5.7.1.2.	4.5.7.1.2.	Is established taking into account all the requirements mentioned in this bidder's document, including the main milestone delivery dates (civil works and installation of transmission equipment, external services, etc.);	
3.5.7.1.3.	4.5.7.1.3.	Shows necessary links between the specific civil works tasks and the other tasks of the core project;	
3.5.7.1.4.	4.5.7.1.4.	Includes key tests and trials planned for prior to the technical acceptance of major equipment, site tests, provisional acceptance, etc.;	
3.5.7.1.5.	4.5.7.1.5.	Shows 'critical path'.	
3.5.7.2.	4.5.7.2.	The Bidder shall have included preliminary analysis, documents and drawings that address, at the minimum, the following criteria and make reference to the respective international standards or their THN equivalents:	
3.5.7.2.1.	4.5.7.2.1.	Building regulations;	
3.5.7.2.2.	4.5.7.2.2.	Stability;	
3.5.7.2.3.	4.5.7.2.3.	Functionality;	
3.5.7.2.4.	4.5.7.2.4.	Technical specifications;	
3.5.7.2.5.	4.5.7.2.5.	Fire protection;	
3.5.7.2.6.	4.5.7.2.6.	Physical security.	
3.5.7.3.	4.5.7.3.	The Bidder shall have submitted for each radio site, preliminary and schematic graphics, drawings, layouts, calculations, and narrative that demonstrates their comprehension of the requirements including the following as a minimum::	

3.5.7.3.1.	4.5.7.3.1.	Nature of construction, demolishing, dismantling, refurbishment or new build works as well as installation works;	
3.5.7.3.2.	4.5.7.3.2.	Application - general description where and why major material and equipment are used / proposed for installation, construction, demolishing and dismantling works;	
3.5.7.3.3.	4.5.7.3.3.	Major equipment, installations and material performance parameters;	
3.5.7.3.4.	4.5.7.3.4.	Identification and general description of method of implementation for key works (including earth works, construction, installation, demolishing and dismantling works);	
3.5.7.3.5.	4.5.7.3.5.	General work schedule.	
3.5.7.4.	4.5.7.4.	The Bidder shall have submitted the schematic design for each radio site. The schematic design shall make reference which international standards (or their THN equivalents) have been used for formats, numbering, legends, representations, symbols and other indications. That as a minimum shall include:	
3.5.7.4.1.	4.5.7.4.1.	Floor plans;	
3.5.7.4.2.	4.5.7.4.2.	Site plans;	
3.5.7.4.3.	4.5.7.4.3.	Building elevations (all four sides - the east, west, north and south);	
3.5.7.4.4.	4.5.7.4.4.	General description of building systems (structural, mechanical, HVAC, plumbing, electrical, fuel distribution, firefighting, security, data and phone cabling), interior and exterior finishes, and the building site with supporting schematic and conceptual drawings.	
3.5.7.5.	4.5.7.5.	The bidder shall have submitted preliminary drawings of the civil works infrastructure that demonstrates their comprehension of the requirement that will include as the minimum::	
3.5.7.5.1.	4.5.7.5.1.	The general situational layout showing the construction site, the site installations, buildings, access to the site, cables, pipes etc. (scale 1/500);	
3.5.7.5.2.	4.5.7.5.2.	The general site plan (scale 1/500) including the demolition phases, accesses, roads and parking lots, buildings, foundations for antennas and other installations, fences, safety zones, location of fuel tanks and pipes etc.;	
3.5.7.5.3.	4.5.7.5.3.	Drainage installations (1/100 and / or 1/200 scale);	
3.5.7.5.4.	4.5.7.5.4.	Cables, pipes, ducts and trenches (1/100 and / or 1/200 scale);	

3.5.7.5.5.	4.5.7.5.5.	Key dimensions of main infrastructure (for example roads and parking lots, antenna fields).	
3.5.7.6.	4.5.7.6.	The bidder shall have submitted preliminary drawings of buildings and miscellaneous constructions that demonstrates their comprehension of the requirement that will include as the minimum;	
3.5.7.6.1.	4.5.7.6.1.	General plans/ layouts per building (1/100 scale);	
3.5.7.6.2.	4.5.7.6.2.	Key cross sections drawings (scale 1/50);	
3.5.7.6.3.	4.5.7.6.3.	The schematic plans and drawings of key construction details (scale 1/50, 1/20 or 1/10);	
3.5.7.6.4.	4.5.7.6.4.	General roof plans with outlets (1/100 scale);	
3.5.7.6.5.	4.5.7.6.5.	Key dimensions of buildings, rooms and wall openings.	
3.5.7.7.	4.5.7.7.	The bidder shall have submitted preliminary drawings of HVAC (scale 1/50 or 1/100 that demonstrates their comprehension of the requirement that will include as the minimum:	
3.5.7.7.1.	4.5.7.7.1.	General HVAC installation plans and drawings (with location of main equipment	
3.5.7.7.2.	4.5.7.7.2.	Ventilation ducts for air treatment installations, etc.;	
3.5.7.7.3.	4.5.7.7.3.	General drawings with layout of heating elements, ventilation equipment;	
3.5.7.7.4.	4.5.7.7.4.	In summary, the drawings and cross sections necessary to make the bidder's general proposal understandable	
3.5.7.8.	4.5.7.8.	The bidder shall have submitted preliminary drawings of the fire protection and fighting system (scale 1/50 or 1/100) that demonstrates their comprehension of the requirement that will include as the minimum:	
3.5.7.8.1.	4.5.7.8.1.	Fire detection and fire alarm plans (with locations of the main components such as control panels, detectors, etc.).	
3.5.7.9.	4.5.7.9.	The bidder shall have submitted preliminary drawings of the electrical system (scale 1/50 or 1/100) that demonstrates their comprehension of the requirement that will include as the minimum:	
3.5.7.9.1.	4.5.7.9.1.	General electrical installation plans and drawings (with location of the main components - main power distribution board, electrical distribution boards, UPS, battery rack, high -voltage cabin, etc.);	

3.5.7.9.2.	4.5.7.9.2.	General plans with indication of lighting points and sockets;	
3.5.7.9.3.	4.5.7.9.3.	Schematic diagram of the energy distributions including the distributions from the main power distribution board to the electrical distribution boards.	
3.5.7.10.	4.5.7.10.	The bidder shall have submitted preliminary drawings of the ancillary equipment (scale 1/50 or 1/100) that demonstrates their comprehension of the requirement that will include as the minimum:	
3.5.7.10.1.	4.5.7.10.1.	A schematic plan per room showing key equipment offered (scale 1/20 of 1/10) with reference to the respective technical data sheets.	
3.5.7.11.	4.5.7.11.	The bidder shall have submitted preliminary drawings of the roads, paved areas and landscaping that demonstrates their comprehension of the requirement that will include as the minimum:	
3.5.7.11.1.	4.5.7.11.1.	General plans and drawings (scale 1/100 and / or 1/200);	
3.5.7.11.2.	4.5.7.11.2.	Major details of the structure of roads, parking lots, paths, sidewalks, etc. (scale 1/100 and / or 1/50);	
3.5.7.11.3.	4.5.7.11.3.	General plans for landscaping	
3.5.8.	4.5.8.	Test and Evaluation	
3.5.8.1.	4.5.8.1.	The Bidder shall have submitted a preliminary version of the Test and Evaluation Plan for FAT, RSAT and SAT for the allocation of personnel and the time line for the Test activities that meets the overall requirements and objectives of SOW Section 10.	
3.5.8.2.	4.5.8.2.	The plan shall also include a preliminary Security Test and Evaluation Plan (STEP) that meets the requirements set forth in SOW Section 5.	
3.5.8.3.	4.5.8.3.	The Bidder shall have described the major components, sub-assemblies and assemblies that are proposed to be submitted for acceptance on the basis of prior testing and qualification and that are expected to undergo partial testing and/or extensive testing and evaluation.	

3.5.8.4.	4.5.8.4.	If there are elements of the System proposed to be submitted on the basis of a Certificate of Conformity (CoC), based on prior test and qualification, the Bidder shall have provided a summary of the particulars, and especially the dates of the prior tests and for whom the testing was executed.	
3.5.8.5.	4.5.8.5.	The Bidder shall have described how the proposed CoC or request for exemption of testing based on prior qualification will be processed from the QA and CM aspects.	
3.5.8.6.	4.5.8.6.	The Bidder shall have adequately described the proposed methods to ensure that the testing is in compliance with the requirements of components, sub-assemblies and assemblies that are sub-contracted and tested at sub-Contractor facilities.	
3.5.9.	4.5.9.	Provisional System Acceptance (PSA) and Final Systems Acceptance (FSA)	
3.5.9.1.	4.5.9.1.	The Bidder shall have provided a preliminary System Acceptance Plan, by WBS, for the allocation of personnel and the time schedule to accomplish all of the activities required and to ensure the timely delivery of all documentation and other deliverables required for successful PSA and FSA.	
3.5.10.	4.5.10.	Security	
3.5.10.1.	4.5.10.1.	The Bidder shall have demonstrated how the system will manage access control. The bid shall have addressed the following in detail in accordance with the requirements of;	
	4.5.10.1.1.	SOW Annex J, System Security Requirements - Section 2.2 - AC - Logical access control - AC.2 - Access control enforcement;	
	4.5.10.1.2.	SOW Annex J, System Security Requirements - Section 2.2 - AC - Logical access control - H.ST - Segregation of tasks;	
	4.5.10.1.3.	SOW Annex J, System Security Requirements - Section 2.2 - AC - Logical access control - AC.6 - Protection of remote diagnosis ports;	
	4.5.10.1.4.	SOW Annex J, System Security Requirements - Section 2.8 - COM - Protection of Communications - COM.13 - Network access control.	

3.5.10.2.	4.5.10.2.	The Bidder shall have described how the system will manage identification, authentication and authorisation. The bid shall have addressed the following in detail in accordance with the requirements:	
	4.5.10.2.1.	SOW Annex J, System Security Requirements - Section 2.1 IA - Identification and authentication - IA.3 - User identification;	
	4.5.10.2.2.	SOW Annex J, System Security Requirements - Section 2.1 IA - Identification and authentication - IA.5 - Special accounts (administration);	
	4.5.10.2.3.	SOW Annex J, System Security Requirements - Section 2.1 IA - Identification and authentication - IAM4 - Password based Authentication.	
3.5.10.3.	4.5.10.3.	The Bidder shall have described how the system will defend against malicious software. The bid shall have addressed the following in detail in accordance with the requirements:	
	4.5.10.3.1.	SOW Annex J, System Security Requirements - Section 2.10 - Tools - Security tools - Tools.AV - Tool against harmful code (malware);	
	4.5.10.3.2.	SOW Annex J, System Security Requirements - Section 2.10 - Tools - Security tools - Tools.FIM - File Integrity Monitoring.	
3.5.10.4.	4.5.10.4.	The Bidder shall have described how the system will generate and collect security logs. The bid shall have addressed the following in detail in accordance with the requirements of:	
	4.5.10.4.1.	SOW Annex J, System Security Requirements - Section 2.11 - Logging and audit - A.2 - Tools.	
3.5.10.5.	4.5.10.5.	The Bidder shall have described what guides will be used to harden all system deliverables. The bid shall have addressed the following in detail in accordance with the requirements of:	
	4.5.10.5.1.	SOW Section 5.3 - SSSB-UK-GR-NL System Security Design & Engineering;	
	4.5.10.5.2.	SOW Annex J, System Security Requirements - Section 2.6 - SW - Protection of Software - SW.SC - Secure configuration baseline is applied;	
	4.5.10.5.3.	SOW Annex J, System Security Requirements - Section 2.7 - HW - Protection of Hardware - HW.SC - Secure configuration baseline is applied;	

	4.5.10.5.4.	SOW Annex J, System Security Requirements - Section 2.8 - COM - Protection of Communications - COM.SC - Secure configuration baseline is applied.	
3.5.10.6.	4.5.10.6.	The Bidder shall have described how they will perform vulnerability management (CVE, testing specific vulnerabilities) throughout the project lifecycle. The bid shall have addressed the following in detail in accordance with the requirements of:	
	4.5.10.6.1.	SOW Section 5.7 - SSSB-UK-GR-NL Security Maintenance;	
	4.5.10.6.2.	SOW Section 5.8 - SSSB-UK-GR-NL System Security Obsolescence.	
3.5.10.7.	4.5.10.7.	The Bidder shall describe how the project security (including supply chain security) will be achieved. The bid shall have addressed the following in detail in accordance with the requirements of:	
	4.5.10.7.1.	SOW Section 5.10 - SSSB-UK-GR Security enforcing Product;	
	4.5.10.7.2.	Project Security Instructions - Section 3.2.2 - Facility Security Clearance;	
	4.5.10.7.3.	Project Security Instructions - Section 2.1 - Records of Employees;	
	4.5.10.7.4.	Project Security Instructions - Section 2.1 - Records of Employees;	
	4.5.10.7.5.	Project Security Instructions - Section 2.3 - Personnel Security Clearances (PSCs);	
	4.5.10.7.6.	Project Security Instructions - Section 2.4 - Protection of NATO classified information;	
	4.5.10.7.7.	Project Security Instructions - Section 3.6 - Security Education;	
	4.5.10.7.8.	Project Security Instructions - Section 10.2 - Handling of NATO RESTRICTED Information on Information and Communication Systems (CIS).	
3.5.11.	4.5.11.	ILSP	
3.5.11.1.	4.5.11.1.	The Bidder shall have provided a draft ILSP, as detailed in the SOW section 9.2.4. The bid shall have addressed the following in detail in accordance with the requirements of Section 9 and Section 10:	
3.5.11.1.1.	4.5.11.1.1.	The Contractor's Integrated Logistic Support (ILS) organization, roles, responsibilities and procedures;	
3.5.11.1.2.	4.5.11.1.2.	ILS activities schedule with dependencies between different activities and deliverables;	

3.5.11.1.3.	4.5.11.1.3.	Maintenance and Support Concept (Maintenance Plan, detailed Maintenance Level definitions and tasks);	
3.5.11.1.4.	4.5.11.1.4.	Design Influence and interfaces with other functional/technical areas (planning activities as an annex to ILSP, while the actual data and methods to be covered under Support Case)	
3.5.11.1.4.1.	4.5.11.1.4.1.	Reliability, Availability, Maintainability and Testability (RAMT) Programme planning, activities, processes (including testing);	
3.5.11.1.4.2.	4.5.11.1.4.2.	Logistics Support Analysis planning, reporting (such as Logistics Support Analysis Requirements (LSAR)), activities and processes;	
3.5.11.1.4.3.	4.5.11.1.4.3.	Support Case;	
3.5.11.1.5.	4.5.11.1.5.	Planning of supply support (System Inventory, Codification, Recommended Spare Parts List (RSPL) and Recommended Consumables Items List (RCIL) template);	
3.5.11.1.6.	4.5.11.1.6.	Planning, resourcing, calculating, procuring and providing the Initial Provisioning (spares, consumables, support tools and test equipment)	
3.5.11.1.7.	4.5.11.1.7.	Computer Resources	
3.5.11.1.8.	4.5.11.1.8.	Manpower and Personnel Requirements	
3.5.11.1.9.	4.5.11.1.9.	Packaging, Handling, Storage and Transportation	
3.5.11.1.10.	4.5.11.1.10.	Technical Publications Development Plan	
3.5.11.1.11.	4.5.11.1.11.	Planning of supply chain security	
3.5.11.1.12.	4.5.11.1.12.	Planning of obsolescence management and monitoring (Parts Obsolescence Management Plan)	
3.5.11.2.	4.5.11.2.	Bidders shall provide a detailed approach for the Maintenance and Support Concept in the draft ILS Plan.	
3.5.11.2.1.	4.5.11.2.1.	The Maintenance and Support Concept shall demonstrate the understanding of the different Maintenance and Support Levels, the interfaces between these different levels, maintenance and support environment, constraints, locations, procedures, artefacts, organization, personnel skills, related ITIL processes and responsibilities between different parties to maintain the delivered baselines of the system in different phases of the lifecycle.	

3.5.11.2.2.	4.5.11.2.2.	The Maintenance Concept shall explain how the logistics support resources (documentation, training, manpower and personnel, tools, supply support and test equipment etc.) will be designed, acquired and provided to enable the Purchaser to obtain the assigned maintenance level capabilities separately addressing system level, hardware (HW) and software (SW) level.	
3.5.11.2.3.	4.5.11.2.3.	The draft Maintenance and Support Concept shall be compliant with the SOW requirements in Section 9.	
3.5.12.	4.5.12.	ISSP	
3.5.12.1.	4.5.12.1.	The Bidder shall have provided a separate, stand-alone draft ISSP that is fully compliant with the requirements outlined in the Warranty and Optional CLS Annex/Addendum. The Bidder's ISSP shall detail the responsibilities and services until FSA and during the Warranty period, covering the following topics at minimum:	
3.5.12.1.1.	4.5.12.1.1.	The Contractor's Support organization, roles, responsibilities, processes and procedures (between PSA and FSA; and during warranty);	
3.5.12.1.2.	4.5.12.1.2.	Description of the system of interest (SOI);	
3.5.12.1.3.	4.5.12.1.3.	Description of the integrated support concept, including the maintenance concept, warranty concept, customer support concept, service management & control concept, ITSM processes including but not limited to the incident, problem management, release and deployment management, and configuration and change management;	
3.5.12.1.4.	4.5.12.1.4.	Brief description of the Purchaser and Host Nation maintenance and support organization; their interfaces and interactions with each other;	
3.5.12.1.5.	4.5.12.1.5.	Description of sub-contractors, vendors and other third parties involved in warranty and support;	
3.5.12.1.6.	4.5.12.1.6.	Description and allocation of operation, Service Management & Control (SM&C) and corrective and preventive maintenance tasks required to operate and maintain the system;	
3.5.12.1.7.	4.5.12.1.7.	Description of the Sustainability measures (obsolescence management, failure reporting, performance monitoring, reliability and availability assessment and reporting);	

3.5.12.1.8.	4.5.12.1.8.	Procedures to follow when any part of the system fails together with response times for analysis and resolution by the Contractor,	
3.5.12.1.9.	4.5.12.1.9.	Comprehensive lists of all available spares, consumables, and software licenses, support software tools, COTS documentation, technical documentation, training documentation and manuals.	
3.5.13.	4.5.13.	CLS Plan	
3.5.13.1.	4.5.13.1.	The Bidder shall have provided a draft CLS Plan as an annex to the ISSP detailing the responsibilities and services under the optional CLS services during the warranty and post-warranty. The draft CLS Plan shall have covered the requirements outlined in Warranty and Optional CLS Annex/Addendum fully. The Bidder's CLS Plan shall be detailed enough to form a comprehensive understanding of how they propose to meet the optional CLS requirements of this SOW during warranty and post warranty periods separately. The CLS Plan shall detail the following::	
3.5.13.1.1.	4.5.13.1.1.	The Contractor's proposed CLS Management Organization;	
3.5.13.1.2.	4.5.13.1.2.	Description and details of the optional CLS services and sub-services that will be made available;	
3.5.13.1.3.	4.5.13.1.3.	SSSB Service Catalogue detailing how the Bidder will create, maintain and provide the services required by the SOW and associated KPI's;	
3.5.13.1.4.	4.5.13.1.4.	CLS Strategy, including intervention on each site, preventive and repair activities, spares replenishment plan and process,	
3.5.13.1.5.	4.5.13.1.5.	The location of the repair facilities that will be utilised, and/or the source within the corporate organization of the service and expertise required;	
3.5.13.1.6.	4.5.13.1.6.	Description of how CLS shall be fulfilled during times of crisis and conflict;	
3.5.13.1.7.	4.5.13.1.7.	Method for site personnel to inform CLS Contractor when spares have been used and when assistance is needed;	
3.5.13.1.8.	4.5.13.1.8.	Method of meeting, recording and evaluating the Contractor's performance during CLS and KPI's outlined in SOW;	

3.5.13.1.9.	4.5.13.1.9.	Description of the strategy for replacing hardware that can no longer be economically supported by the Contractor or sub-contractors.	
3.5.13.1.10.	4.5.13.1.10.	Description of how CM procedures will continue to be implemented on the hardware and software/firmware during the CLS period.	
3.5.13.1.11.	4.5.13.1.11.	Description of the proposed logistic and maintenance information processes,	
3.5.13.1.12.	4.5.13.1.12.	Identification of the proposed sub-contractors/vendors during the CLS period, including the firm, the nation of origin, the major items (assemblies, sub-assemblies) or services.	
3.5.13.1.13.	4.5.13.1.13.	Description of how the QA/QC Programme of the Prime Contractor and sub-contractors will meet the provisions of this Contract.	
3.5.13.1.14.	4.5.13.1.14.	The CLS Plan shall not simply restate the SOW requirements or solely provide empty templates.	
3.5.14.	4.5.14.	Support Case	
3.5.14.1.	4.5.14.1.	The Bidder shall have provided a draft Support Case, in accordance with the requirements in SOW Section 8 and 9, and as detailed in the SOW section 8.5.2. The Support Case shall have provided sufficient details on how the LSA and RAMT Program will be managed, developed, resourced and maintained in accordance with the requirements. The Support Case shall have provided sufficient details including, but not limited to, the following to show the Bidder's approach and capability to perform the required LSA studies:	
3.5.14.1.1.	4.5.14.1.1.	How various SRS and SOW RAMT requirements shall be integrated into the system design;	
3.5.14.1.2.	4.5.14.1.2.	How LSA shall be performed including the creation of a draft LCN;	
3.5.14.1.3.	4.5.14.1.3.	Task analysis shall be performed including inputs, methods, tools, standards and outputs (template and content for the proposed design);	
3.5.14.1.4.	4.5.14.1.4.	Level of Repair (LORA) Analysis shall be performed (template and content in accordance with the proposed design);	
3.5.14.1.5.	4.5.14.1.5.	Maintenance Allocation Chart (MAC) shall be provided (template and content in accordance with the proposed design);	
3.5.14.1.6.	4.5.14.1.6.	Total cost of Ownership analysis shall be conducted;	

3.5.14.1.7.	4.5.14.1.7.	Obsolescence Analysis and Management shall be performed;	
3.5.14.1.8.	4.5.14.1.8.	Spare part calculations and reporting shall be undertaken, and spare and consumables set shall be provided (template and content in accordance with the proposed design);	
3.5.14.1.9.	4.5.14.1.9.	How planning and execution of the O&M Procedures Verification Test shall be done with references to the Master Test Plan.	
3.5.14.2.	4.5.14.2.	The Support Case shall provide sufficient details including, but not limited to, the following to show the Bidder's approach and capability to perform the required RAMT studies:	
3.5.14.2.1.	4.5.14.2.1.	RAMT allocation, prediction, calculation and testing activities shall be planned, resourced and performed;	
3.5.14.2.2.	4.5.14.2.2.	RAMT allocation, prediction, RBD analysis shall be performed including calculations, inputs, methods, tools, standards and outputs;	
3.5.14.2.3.	4.5.14.2.3.	FMECA shall be performed including inputs, methods, tools, standards and outputs;	
3.5.14.2.4.	4.5.14.2.4.	FMECA report shall be provided as compliant with MIL-STD-1629A (template and content in accordance with the proposed design);	
3.5.14.2.5.	4.5.14.2.5.	Testability report shall be provided (template and content in accordance with the proposed design);	
3.5.14.2.6.	4.5.14.2.6.	How the verification and testing activities will be planned and performed;	
3.5.14.3.	4.5.14.3.	The Support Case shall not simply restate the SOW requirements or solely provide empty templates.	
3.5.15.	4.5.15.	Training Plan (TP)	
3.5.15.1.	4.5.15.1.	Bidders shall have provided a draft training plan by creating the necessary sections to cover and detail all training related requirements outlined in Section 16.	
3.5.15.2.	4.5.15.2.	The training plan shall detail how the Training Needs Analysis (TNA) will be performed with all possible deliverables, inputs and outputs to the process; which and how training materials will be provided, and how the courses will be conducted.	

3.5.15.3.	4.5.15.3.	The training plan shall explain in detail how the Bidder will schedule, resource and manage the various training requirements (TNA, training schedule, training courses and material, training tools, media, training personnel, training reviews, meetings, assessment, evaluation and reporting) starting from the contract award until the acceptance.	
3.5.15.4.	4.5.15.4.	The Training Plan shall not simply restate the SOW requirements or solely provide empty templates.	
3.5.16.	4.5.16.	Configuration Management Plan (CMP)	
3.5.16.1.	4.5.16.1.	The Bidder shall have provided a draft CMP in accordance with the ACMP-2009 and as detailed in the SOW Section 7.	
3.5.16.2.	4.5.16.2.	This shall address all the CM sections (Organization, Configuration identification and Documentation, Baselines, Configuration control, Interface management, Change request Process, Configuration Status Accounting, Configuration Audits and Reviews and Configuration Management Tools) detailing the activities under each section to be compliant with the requirements.	
3.5.16.3.	4.5.16.3.	The draft CMP shall at least cover how the CM process will be planned, managed, resourced, executed and provided including the organization and personnel, CM tools, directives and standards, meetings, reviews and deliverables (baselines, documents, CMDB etc.).	
3.5.16.4.	4.5.16.4.	The CMP shall not simply restate the SOW requirements.	
3.5.17.	4.5.17.	Quality Assurance (QA)	
3.5.17.1.	4.5.17.1.	The Bidder shall have provided a draft QA Plan as detailed in SOW Section 6.	
3.5.17.2.	4.5.17.2.	The draft QA Plan shall provide sufficient information that the Quality Management processes and organization are in place for the project in accordance with AQAP-2110 and /or equivalent ISO standards.	

3.5.17.3.	4.5.17.3.	The QA Plan shall detail QA procedures for requirements analysis, design, development, production, installation, test, acceptance, certification, support, defects and corrective actions, documentation, reviews and audits including subcontractor management specified for this project.	
3.5.17.4.	4.5.17.4.	The QA Plan shall not simply restate the SOW requirements.	

## Annex H. List of Acceptable Banks to Issue Bid Guarantees

#	BANK <sup>1</sup>
1	Bank of America
2	Royal Bank of Canada
3	Scotiabank
4	Bank of Montreal (BMO)
5	HSBC Holdings
6	BNP Paribas
7	Credit Agricole Groupe
8	Citibank Europe
9	Wells Fargo
10	ING Group
11	Rabobank Group
12	Barclays PLC
13	Standard Chartered Plc
14	Danske Bank
15	KBC Group
16	Banco Santander
17	Société Générale
18	BBVA
19	Deutsche Bank
20	Commerzbank AG
21	Intesa
22	UniCredit S.p.A.

---

<sup>1</sup> These Banks are in NATO-member countries.

## Bidding Sheets Instructions

INTRODUCTION & IMPORTANT NOTES	
	<p><b>Bidders should note that NCIA has recently updated its bidding sheet template and are encouraged to read the instructions in full for this new version before completing the bidding sheets.</b></p> <p>All bidders are required to submit pricing details to demonstrate the Purchaser's Pricing Principles are being applied as part of their bids. All data submitted in these sheets shall be complete, verifiable and factual and include the required details. Any exclusions may render the bid as non compliant thus removing the bidder from the bidding process.</p> <p>Bidders are <b>REQUIRED</b> to complete the following tabs:</p> <ul style="list-style-type: none"> <li>- "Offer Summary",</li> <li>- "CLIN Summary",</li> <li>- "Labour",</li> <li>- "Material",</li> <li>- "Travel",</li> <li>- "ODC",</li> <li>- "Rates".</li> </ul> <p><b>Note that input cells in the "Offer Summary" and the "CLIN Summary" tabs are colour coded YELLOW.</b></p> <p>The instructions for the detailed tabs can be found below, as well as in the green boxes within each detailed tab. G&amp;A, Overhead, material handling and other indirect rates do not need to be separately calculated in the detail sheets but must be included in the totals for each category (Labour/Material/Travel/ODC) as appropriate. A list of the direct and indirect rates applied in the bid must also be provided in the "Rates" tab, although they do not need to be linked to any and the detailed calculations. The list of these rates will be requested in pre-contract award from the winning bidder.</p> <p><b>Note: any information found within GREEN boxes throughout the entire document is provided as an instruction and/or example only.</b></p> <p>Any formulas provided in these bidding sheets are intended only to assist the bidder. Any changes in formula can be made at the bidder's discretion, as long as the detailed costs are clear, traceable and accurate as required. Ultimately the bidder is responsible for <b>ALL</b> values, formulas and calculations within the bidding sheets that are submitted to the Agency.</p> <p><b>Bids in MULTIPLE CURRENCIES should follow the following instructions:</b></p> <ul style="list-style-type: none"> <li>- For the "Offer Summary" tab bidders must add "Firm Fixed Price" column to the right of the current table for each additional currency.</li> <li>- For the "CLIN Summary" tab, Bidders have 2 options: A) Two columns "Unit Price" and "Total Firm Fixed Price" may be added to the right of the current table for each additional currency of the bid; B) Bidders may duplicate the CLIN Summary tab for each currency bid.</li> <li>- For the Detailed tabs Bidders have 2 options: A) Provide all the detailed data for all currencies in the table provided, selecting the individual currencies from the dropdown lists and summing only common currencies together in CLIN Summary/Offer Summary Sheets B) Duplicate the CLIN Summary tab for each currency bid.</li> </ul>

DETAILED TABs	DESCRIPTION
---------------	-------------

<p><b>MATERIAL LABOUR TRAVEL ODCs</b></p>	<p>The detailed tables are to be completed by the bidder with all columns populated, and shall be expanded to include as many rows as necessary to provide the detail requested. The bidder is required to identify for each item the CLIN it is associated with from the drop down menu. Each column should then be populated using the column- specific instructions in the first row. Bidder may not delete columns within tables, or omit information from columns, but may add columns if necessary, although it's not anticipated this will be needed.</p> <p>Note CLINs with no costs associated with that item should also be selected within the table, and noted that there is no cost within that table for the CLIN. For example, if there is no labour associated with CLIN X.1, Select CLIN X.1 in the first column and then in the second column note "No Labour is associated with this CLIN". This will help to ensure that all the proper detail has been accounted for and properly allocated.</p> <p>Important Note: The Total sum of the "fully burdened" cost column should equal the grand total cost for each category (Labour, Material, etc.) to include profit as well as all indirect rates (G&amp;A/Overhead/Material handling/etc.) associated with that category. These indirect rates must be included in the total firm fixed price on the appropriate detailed tab but are no longer required to be shown as separate calculations at the bidding stage. However, the bidder is required to include the associated indirect costs in the totals of the detailed tab in the base unit costs. Alternatively, the bidder may choose to show these as separate calculations by expanding the table columns to show the additional costs due to these indirect rates (similar to the way profit is calculated).</p>
<p><b>RATES</b></p>	<p>As discussed previously in these instructions, the detailed indirect rate calculations are not required to be included in the bidding sheets, although the bidders may chose to do so. However, ALL bidders are required to state the G&amp;A/OH/Material handling and any other indirect rates that they have applied to the bid.</p>

CLIN Number	CLIN DESCRIPTION	Firm Fixed Price
Declare Currency =>		
<b>Grand Total Firm fixed Price - Base Contract</b>		-
<b>Grand Total Firm fixed Price - Base Contract + Options Non Evaluated</b>		-
CLIN 1	CLIN 1 (BASE CONTRACT) - Project Management & Reporting	-
CLIN 2	CLIN 2 (BASE CONTRACT) - Site Survey Reports	-
CLIN 3	CLIN 3 (BASE CONTRACT)- Project Implementation Plan (PIP)	-
CLIN 4	CLIN 4 (BASE CONTRACT) - Technical Reviews (SRR, PDR, CDR)	-
CLIN 5	CLIN 5 (BASE CONTRACT) - Factory Acceptance Testing (FAT)	-
CLIN 6	CLIN 6 (BASE CONTRACT) - Site Preparation Data Package (SPDP)	-
CLIN 7	CLIN 7 (BASE CONTRACT) - Site Installation Specification (SIS)	-
CLIN 8	CLIN 8 (BASE CONTRACT) - Configuration Management	-
CLIN 9	CLIN 9 (BASE CONTRACT) - Completion of civil works at site	-
CLIN 10	CLIN 10 (BASE CONTRACT) - Completion of entire system integration and installation of CIS at site	-
CLIN 11	CLIN 11 (BASE CONTRACT) - Radio Site Acceptance Testing (RSAT) and System Acceptance Test (SAT)	-
CLIN 12	CLIN 12 (BASE CONTRACT) - Integrated Logistic Support	-
CLIN 13	CLIN 13 (BASE CONTRACT) - Technical Publications	-
CLIN 14	CLIN 14 (BASE CONTRACT) - Training	-
CLIN 15	CLIN 15 (BASE CONTRACT) - Provisional System Acceptance (PSA)	-
CLIN 16	CLIN 16 (BASE CONTRACT) - Final System Acceptance (FSA)	-
CLIN 17	CLIN 17 (BASE CONTRACT) - System Warranty (12 months)	-
<b>Total Firm Fixed Price Base Contract</b>		-
CLIN 18	CLIN 18 (OPTIONS) - On-Demand CLS Service Options During Warranty - UK	-
CLIN 19	CLIN 19 (OPTIONS) -Post-Warranty CLS Service Options - UK	-
CLIN 20	CLIN 20 (OPTIONS) -On-Demand CLS Service Options During Warranty - NL	-
CLIN 21	CLIN 21 (OPTIONS) -Post-Warranty CLS Service Options - NL	-
CLIN 22	CLIN 22 (OPTIONS) -On-Demand CLS Service Options During Warranty - GR	-
CLIN 23	CLIN 23 (OPTIONS) -Post-Warranty CLS Service Options - GR	-
<b>Total Firm Fixed Price OPTIONS Non Evaluated</b>		-

IFB-CO-15577-SSSB-UK_GR_NL CLIN Summary											
BASE CONTRACT & OPTIONS EVALUATED											
CLIN	Description	SOW Reference	Required Completion Date	Delivery Destination	Delivery Form	Unit of measure	Quantity	Unit Price	Total Firm Fixed Price	Investment or O&M	Optional Comments (Mandatory for zero cost lines)
							Declare Currency =>				
<b>1.0</b>	<b>CLIN 1 (BASE CONTRACT) - Project Management &amp; Reporting</b>										
1.1	Project Checkpoint Reports (PCR), multiple	2.4	Bi-Monthly	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
1.2	Project Progress Reports (PPR), multiple	2.5	1 week prior to PPM	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
1.3	Kick Off Meeting / PPM #1	2.6.2	EDC+3 weeks	Purchaser's premises	Task	Service	1			-	Investment
1.4	Project Progress Meetings (PPM #6 onwards), multiple	2.6.5	Every 4 months	Purchaser's or TRN's or Contractor's premises	Task	Service	1			-	Investment
<b>TOTAL PRICE CLIN 1</b>											
<b>2.0</b>	<b>CLIN 2 (BASE CONTRACT) - Site Survey Reports</b>										
2.1	ARS Larissa DLOS radio-relays station (Larissa Continental Greece) - GR	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.2	Forward Naval Base Kyriamadi NDN access point (Crete) - GR	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.3	HF Rx Site Sideros (Crete) - GR	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.4	HF Tx & UHF TRX Site Mavros (Crete) - GR	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.5	Kefala (Forward Naval Base Kyriamadi area) DLOS radio-relays station (Crete) - GP	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.6	HF Tx/Rx & UHF TRX Site Naval Entity 47 (Kythira) - GR	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.7	HF Tx Site Kartsinouidi (Skýros) - GR	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.8	HF Rx Site Limnonari (Skýros) - GR	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.9	UHF TRX Site 7th AF Radar Site (Skýros) - GR	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.10	Pagia DLOS radio-relays station (Skýros) - GR	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.11	Pellion DLOS radio-relays station (Pelion Continental Greece) - GR	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.12	S. Eustratius DLOS radio-relays station (S. Eustratius Island) - GR	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.13	Skopelos DLOS radio-relays station (Skopelos Island) - GR	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.14	Extension of fiber optic based NDN from Palaikastro village - GR	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.15	HF Rx Site Noordwijk - NL	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.16	HF Tx Site Julianadorp (R20) Den Helder - NL	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.17	HF Tx Site Zeevelder - NL	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.18	UHF Site Albatros (Den Helder) - NL	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.19	RRH Benbecula - UK	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.20	RRH Portreath - UK	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
2.21	RRH Saxa Vord - UK	14.7	EDC+18 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
<b>TOTAL PRICE CLIN 2</b>											
<b>3.0</b>	<b>CLIN 3 (BASE CONTRACT) - Project Implementation Plan (PIP)</b>										
3.1	PIP Meeting	2.6.3	EDC+23 weeks	Contractor's premises	Task	Service	1			-	Investment
3.2	Final PIP	2.3	EDC+24 weeks	Purchaser's premises	Electronic file and hard copies	Set of documents	1			-	Investment
<b>TOTAL PRICE CLIN 3</b>											
<b>4</b>	<b>CLIN 4 (BASE CONTRACT) - Technical Reviews (SRR, PDR, CDR)</b>										
4.1	System Requirement Review (SRR) Meeting	4.11.3	EDC + 23 weeks	Contractor's premises	Task	Service	1			-	Investment
4.2	Final SRR Documentation	4.11.3	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
4.3	Greece Preliminary Design Review (PDR) Meeting	4.11.4	EDC + 37 weeks	Contractor's premises	Task	Service	1			-	Investment
4.4	United Kingdom Preliminary Design Review (PDR) Meeting	4.11.4	EDC + 38 weeks	Contractor's premises	Task	Service	1			-	Investment
4.5	Netherlands Preliminary Design Review (PDR) Meeting	4.11.4	EDC + 39 weeks	Contractor's premises	Task	Service	1			-	Investment
4.6	Final PDR Documentation	4.11.4	EDC + 40 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
4.7	Critical Design (CDR) Review Meeting	4.11.4	EDC + 51 weeks	Purchaser's premises	Task	Service	1			-	Investment
4.8	Final CDR Documentation	4.11.4	EDC + 52 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
<b>TOTAL PRICE CLIN 4</b>											
<b>5</b>	<b>CLIN 5 (BASE CONTRACT) - Factory Acceptance Testing (FAT)</b>										
5.1	FAT Test Procedures	12.4.2	EDC + 78 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
5.2	FAT - UK	12.6	EDC + 82 weeks	Contractor's premises	Task	Service	1			-	Investment
5.3	FAT - GR	12.6	EDC + 86 weeks	Contractor's premises	Task	Service	1			-	Investment
5.4	FAT - NL	12.6	EDC + 90 weeks	Contractor's premises	Task	Service	1			-	Investment
5.5	FAT Reports - UK	12.9, 12.10, 12.11	EDC + 84 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
5.6	FAT Reports - GR	12.9, 12.10, 12.11	EDC + 88 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
5.7	FAT Reports - NL	12.9, 12.10, 12.11	EDC + 92 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
<b>TOTAL PRICE CLIN 5</b>											
<b>6</b>	<b>CLIN 6 (BASE CONTRACT) - Site Preparation Data Package (SPDP)</b>										
6.1	ARS Larissa DLOS radio-relays station (Larissa Continental Greece) - GR	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.2	Forward Naval Base Kyriamadi NDN access point (Crete) - GR	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.3	HF Rx Site Sideros (Crete) - GR	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.4	HF Tx & UHF TRX Site Mavros (Crete) - GR	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.5	Kefala (Forward Naval Base Kyriamadi area) DLOS radio-relays station (Crete) - GP	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.6	HF Tx/Rx & UHF TRX Site Naval Entity 47 (Kythira) - GR	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.7	HF Tx Site Kartsinouidi (Skýros) - GR	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.8	HF Rx Site Limnonari (Skýros) - GR	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.9	UHF TRX Site 7th AF Radar Site (Skýros) - GR	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.10	Pagia DLOS radio-relays station (Skýros) - GR	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.11	Pellion DLOS radio-relays station (Pelion Continental Greece) - GR	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.12	S. Eustratius DLOS radio-relays station (S. Eustratius Island) - GR	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.13	Skopelos DLOS radio-relays station (Skopelos Island) - GR	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.14	Extension of fiber optic based NDN from Palaikastro village - GR	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.15	HF Rx Site Noordwijk - NL	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.16	HF Tx Site Julianadorp (R20) Den Helder - NL	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.17	HF Tx Site Zeevelder - NL	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.18	UHF Site Albatros (Den Helder) - NL	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.19	RRH Benbecula - UK	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.20	RRH Portreath - UK	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
6.21	RRH Saxa Vord - UK	14.8	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
<b>TOTAL PRICE CLIN 6</b>											
<b>7</b>	<b>CLIN 7 (BASE CONTRACT) - Site Installation Specification (SIS)</b>										
7.1	ARS Larissa DLOS radio-relays station (Larissa Continental Greece) - GR	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.2	Forward Naval Base Kyriamadi NDN access point (Crete) - GR	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.3	HF Rx Site Sideros (Crete) - GR	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.4	HF Tx & UHF TRX Site Mavros (Crete) - GR	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.5	Kefala (Forward Naval Base Kyriamadi area) DLOS radio-relays station (Crete) - GP	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.6	HF Tx/Rx & UHF TRX Site Naval Entity 47 (Kythira) - GR	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.7	HF Tx Site Kartsinouidi (Skýros) - GR	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.8	HF Rx Site Limnonari (Skýros) - GR	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.9	UHF TRX Site 7th AF Radar Site (Skýros) - GR	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.10	Pagia DLOS radio-relays station (Skýros) - GR	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.11	Pellion DLOS radio-relays station (Pelion Continental Greece) - GR	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.12	S. Eustratius DLOS radio-relays station (S. Eustratius Island) - GR	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.13	Skopelos DLOS radio-relays station (Skopelos Island) - GR	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.14	Extension of fiber optic based NDN from Palaikastro village - GR	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.15	HF Rx Site Noordwijk - NL	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.16	HF Tx Site Julianadorp (R20) Den Helder - NL	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.17	HF Tx Site Zeevelder - NL	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.18	UHF Site Albatros (Den Helder) - NL	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.19	RRH Benbecula - UK	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.20	RRH Portreath - UK	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment
7.21	RRH Saxa Vord - UK	14.10	EDC + 59 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment

TOTAL PRICE CLIN 7										
8	<b>CLIN 8 (BASE CONTRACT) - Configuration Management</b>									
8.1	Configuration Management Plan	7.2	EDC + 51 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			Investment
8.2	Configuration Management Database - NL	7.7	EDC + 114 weeks	Purchaser's premises	Database	Task	1			Investment
8.3	Configuration Baselines - Functional Baseline - NL	7.8.1	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			Investment
8.4	Configuration Baselines - Allocated Baseline - NL	7.8.3	EDC + 52 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			Investment
8.5	Configuration Baselines - Product Baseline - NL	7.8.5	EDC + 190 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			Investment
8.6	Configuration Baselines - Operational Baseline - NL	7.8.6	EDC + 216 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			Investment
8.7	Configuration Management Database - GR	7.7	EDC + 250 weeks	Purchaser's premises	Database	Task	1			Investment
8.8	Configuration Baselines - Functional Baseline - GR	7.8.1	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			Investment
8.9	Configuration Baselines - Allocated Baseline - GR	7.8.3	EDC + 52 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			Investment
8.10	Configuration Baselines - Product Baseline - GR	7.8.5	EDC + 234 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			Investment
8.11	Configuration Baselines - Operational Baseline - GR	7.8.6	EDC + 260 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			Investment
8.12	Configuration Management Database - UK	7.7	EDC + 173 weeks	Purchaser's premises	Database	Task	1			Investment
8.13	Configuration Baselines - Functional Baseline - UK	7.8.1	EDC + 24 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			Investment
8.14	Configuration Baselines - Allocated Baseline - UK	7.8.3	EDC + 52 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			Investment
8.15	Configuration Baselines - Product Baseline - UK	7.8.5	EDC + 147 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			Investment
8.16	Configuration Baselines - Operational Baseline - UK	7.8.6	EDC + 178 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			Investment
TOTAL PRICE CLIN 8										
9	<b>CLIN 9 (BASE CONTRACT) - Completion of civil works at site</b>									
9.1	ARS Larissa DLOS radio-relays station (Larissa Continental Greece) - GR	14.1, 14.2, Annex F	To be completed by contractor. Between weeks 39 and 178	Larissa	Material/Service	Task	1			Investment
9.2	Forward Naval Base Kyriamadi NDN access point (Crete) - GR	14.1, 14.2, Annex F	To be completed by contractor. Between weeks 39 and 178	Crete	Material/Service	Task	1			Investment
9.3	HF Rx Site Sideros (Crete) - GR	14.1, 14.2, Annex F	To be completed by contractor. Between weeks 39 and 178	Crete	Material/Service	Task	1			Investment
9.4	HF Tx & UHF TRX Site Mavros (Crete) - GR	14.1, 14.2, Annex F	To be completed by contractor. Between weeks 39 and 178	Crete	Material/Service	Task	1			Investment
9.5	Kefala (Forward Naval Base Kyriamadi area) DLOS radio-relays station (Crete) - GR	14.1, 14.2, Annex F	To be completed by contractor. Between weeks 39 and 178	Crete	Material/Service	Task	1			Investment
9.6	HF Tx/Rx & UHF TRX Site Naval Entity 47 (Kythira) - GR	14.1, 14.2, Annex F	To be completed by contractor. Between weeks 39 and 178	Kythira	Material/Service	Task	1			Investment
9.7	HF Tx Site Kartsinoudi (Skyros) - GR	14.1, 14.2, Annex F	To be completed by contractor. Between weeks 39 and 178	Skyros	Material/Service	Task	1			Investment
9.8	HF Rx Site Limonari (Skyros) - GR	14.1, 14.2, Annex F	To be completed by contractor. Between weeks 39 and 178	Skyros	Material/Service	Task	1			Investment
9.9	UHF TRX Site 7th AF Radar Site (Skyros) - GR	14.1, 14.2, Annex F	To be completed by contractor. Between weeks 39 and 178	Skyros	Material/Service	Task	1			Investment
9.10	Pagia DLOS radio-relays station (Skyros) - GR	14.1, 14.2, Annex F	To be completed by contractor. Between weeks 39 and 178	Skyros	Material/Service	Task	1			Investment
9.11	Pelion DLOS radio-relays station (Pelion Continental Greece) - GR	14.1, 14.2, Annex F	To be completed by contractor. Between weeks 39 and 178	Pelion	Material/Service	Task	1			Investment
9.12	S. Eustratius DLOS radio-relays station (S. Eustratius Island) - GR	14.1, 14.2, Annex F	To be completed by contractor. Between weeks 39 and 178	S. Eustratius	Material/Service	Task	1			Investment
9.13	Skopelos DLOS radio-relays station (Skopelos Island) - GR	14.1, 14.2, Annex F	To be completed by contractor. Between weeks 39 and 178	Skopelos	Material/Service	Task	1			Investment
9.14	Extension of fiber optic based NDN from Palaikastro village - GR	14.1, 14.2, Annex F	To be completed by contractor. Between weeks 39 and 178	Palaikastro	Material/Service	Task	1			Investment
9.15	HF Rx Site Noordwijk - NL	14.1, 14.2, Annex I	To be completed by contractor. Between weeks 39 and 135	Noordwijk	Material/Service	Task	1			Investment
9.16	HF Tx Site Julianadorp (R20) Den Helder - NL	14.1, 14.2, Annex I	To be completed by contractor. Between weeks 39 and 135	Den Helder	Material/Service	Task	1			Investment
9.17	HF Tx Site Zeewolde - NL	14.1, 14.2, Annex I	To be completed by contractor. Between weeks 39 and 135	Zeewolde	Material/Service	Task	1			Investment
9.18	UHF Site Albatros (Den Helder) - NL	14.1, 14.2, Annex I	To be completed by contractor. Between weeks 39 and 135	Den Helder	Material/Service	Task	1			Investment
9.19	RRH Benbecula - UK	14.1, 14.2, Annex C	To be completed by contractor. Between weeks 39 and 111	Benbecula	Material/Service	Task	1			Investment
9.20	RRH Portreath - UK	14.1, 14.2, Annex C	To be completed by contractor. Between weeks 39 and 111	Portreath	Material/Service	Task	1			Investment
9.21	RRH Saxa Vord - UK	14.1, 14.2, Annex C	To be completed by contractor. Between weeks 39 and 111	Saxa Vord	Material/Service	Task	1			Investment
TOTAL PRICE CLIN 9										
10	<b>CLIN 10 (BASE CONTRACT) - Completion of entire system integration and installation of CIS at site</b>									
10.1	ARS Larissa DLOS radio-relays station (Larissa Continental Greece) - GR	Annex G	To be completed by contractor. Between weeks 181 and 212	Larissa	Material/Service	Task	1			Investment
10.2	Forward Naval Base Kyriamadi NDN access point (Crete) - GR	Annex G	To be completed by contractor. Between weeks 181 and 212	Crete	Material/Service	Task	1			Investment
10.3	HF Rx Site Sideros (Crete) - GR	Annex G	To be completed by contractor. Between weeks 181 and 212	Crete	Material/Service	Task	1			Investment
10.4	HF Tx & UHF TRX Site Mavros (Crete) - GR	Annex G	To be completed by contractor. Between weeks 181 and 212	Crete	Material/Service	Task	1			Investment
10.5	Kefala (Forward Naval Base Kyriamadi area) DLOS radio-relays station (Crete) - GR	Annex G	To be completed by contractor. Between weeks 181 and 212	Crete	Material/Service	Task	1			Investment
10.6	HF Tx/Rx & UHF TRX Site Naval Entity 47 (Kythira) - GR	Annex G	To be completed by contractor. Between weeks 181 and 212	Kythira	Material/Service	Task	1			Investment
10.7	HF Tx Site Kartsinoudi (Skyros) - GR	Annex G	To be completed by contractor. Between weeks 181 and 212	Skyros	Material/Service	Task	1			Investment
10.8	HF Rx Site Limonari (Skyros) - GR	Annex G	To be completed by contractor. Between weeks 181 and 212	Skyros	Material/Service	Task	1			Investment
10.9	UHF TRX Site 7th AF Radar Site (Skyros) - GR	Annex G	To be completed by contractor. Between weeks 181 and 212	Skyros	Material/Service	Task	1			Investment
10.10	Pagia DLOS radio-relays station (Skyros) - GR	Annex G	To be completed by contractor. Between weeks 181 and 212	Skyros	Material/Service	Task	1			Investment
10.11	Pelion DLOS radio-relays station (Pelion Continental Greece) - GR	Annex G	To be completed by contractor. Between weeks 181 and 212	Pelion	Material/Service	Task	1			Investment
10.12	S. Eustratius DLOS radio-relays station (S. Eustratius Island) - GR	Annex G	To be completed by contractor. Between weeks 181 and 212	S. Eustratius	Material/Service	Task	1			Investment
10.13	Skopelos DLOS radio-relays station (Skopelos Island) - GR	Annex G	To be completed by contractor. Between weeks 181 and 212	Skopelos	Material/Service	Task	1			Investment
10.14	Extension of fiber optic based NDN from Palaikastro village - GR	Annex G	To be completed by contractor. Between weeks 181 and 212	Palaikastro	Material/Service	Task	1			Investment
10.15	HF Rx Site Noordwijk - NL	Annex D	To be completed by contractor. Between weeks 138 and 169	Noordwijk	Material/Service	Task	1			Investment
10.16	HF Tx Site Julianadorp (R20) Den Helder - NL	Annex D	To be completed by contractor. Between weeks 138 and 169	Den Helder	Material/Service	Task	1			Investment
10.17	HF Tx Site Zeewolde - NL	Annex D	To be completed by contractor. Between weeks 138 and 169	Zeewolde	Material/Service	Task	1			Investment
10.18	UHF Site Albatros (Den Helder) - NL	Annex D	To be completed by contractor. Between weeks 138 and 169	Den Helder	Material/Service	Task	1			Investment
10.19	RRH Benbecula - UK	Annex A	To be completed by contractor. Between weeks 114 and 126	Benbecula	Material/Service	Task	1			Investment
10.20	RRH Portreath - UK	Annex A	To be completed by contractor. Between weeks 114 and 126	Portreath	Material/Service	Task	1			Investment
10.21	RRH Saxa Vord - UK	Annex A	To be completed by contractor. Between weeks 114 and 126	Saxa Vord	Material/Service	Task	1			Investment



TOTAL PRICE CLIN 11												
CLIN	Description	Reference	Required Completion Date	Delivery Destination	Delivery Form	Unit of measure	Quantity	Quantity	Total Firm Fixed Price	Investment or O&M	Optional Comments (Mandatory for zero cost lines)	
<b>CLIN 12 (BASE CONTRACT) - Integrated Logistic Support</b>												
12.1	Integrated Logistics Support Plan (ILSP)	9.2	EDC+51 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment	
12.2	Support Case	8.5	EDC+51 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment	
12.3	Spares and consumables - Set - NL	9.6	To be completed by contractor. In line with THN SAT	Purchaser's premises	Equipment	Task	1			-	Investment	
12.4	Spares and consumables - Set - GR	9.6	To be completed by contractor. In line with THN SAT	Purchaser's premises	Equipment	Task	1			-	Investment	
12.5	Spares and consumables - Set - UK	9.6	To be completed by contractor. In line with THN SAT	Purchaser's premises	Equipment	Task	1			-	Investment	
12.6	Packaging, Handling, Storage and Transportation (PHST) - NL	9.7	EDC+135 weeks	Purchaser's premises	Service	Task	1			-	Investment	
12.7	Packaging, Handling, Storage and Transportation (PHST) - GR	9.7	EDC+178 weeks	Purchaser's premises	Service	Task	1			-	Investment	
12.8	Packaging, Handling, Storage and Transportation (PHST) - UK	9.7	EDC+111 weeks	Purchaser's premises	Service	Task	1			-	Investment	
12.9	In Service Support Plan	11	EDC+195 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment	
12.10	Contractor Logistics Support (CLS) Plan	11	EDC+195 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment	
<b>TOTAL PRICE CLIN 12</b>												
<b>CLIN 13 (BASE CONTRACT) - Technical Publications</b>												
13.1	Technical Publications - NL	10	EDC+206 weeks	Purchaser's and THN's premises	Electronic file/hard copies	Set of documents	1			-	Investment	
13.2	Technical Publications - GR	10	EDC+250 weeks	Purchaser's and THN's premises	Electronic file/hard copies	Set of documents	1			-	Investment	
13.3	Technical Publications - UK	10	EDC+164 weeks	Purchaser's and THN's premises	Electronic file/hard copies	Set of documents	1			-	Investment	
<b>TOTAL PRICE CLIN 13</b>												
<b>CLIN 14 (BASE CONTRACT) - Training</b>												
14.1	Training Needs Analysis	16.2	EDC+48 weeks	Purchaser's premises	Service	Task	1			-	Investment	
14.2	Training Plan	16.3	EDC+48 weeks	Purchaser's premises	Electronic file/hard copies	Set of documents	1			-	Investment	
14.3	Training documentation	16.18	To be completed by contractor. min 10 weeks before execution of corresponding Training courses	Purchaser's premises and UK, GR, NL	Electronic file/hard copies	Set of documents	1			-	Investment	
14.4	Execution of Training Courses - NL	16.10, 16.11, 16.12, 16.13, 16.14, 16.15	To be completed by contractor. Between 4 and 8 weeks before PSA	Netherlands	Service	Task	1			-	Investment	
14.5	Execution of Training Courses - GR	16.10, 16.11, 16.12, 16.13, 16.14, 16.15	To be completed by contractor. Between 4 and 8 weeks before PSA	Greece	Service	Task	1			-	Investment	
14.6	Execution of Training Courses - UK	16.10, 16.11, 16.12, 16.13, 16.14, 16.15	To be completed by contractor. Between 4 and 8 weeks before PSA	United Kingdom	Service	Task	1			-	Investment	
<b>TOTAL PRICE CLIN 14</b>												
<b>CLIN 15 (BASE CONTRACT) - Provisional System Acceptance (PSA)</b>												
15.1	PSA Meeting - NL	13.3, 13.4, 13.5, 13.6	To be completed by contractor. Between weeks 184 and 190	Purchaser's or THN's premises	Service	Task	1			-	Investment	
15.2	PSA Meeting - GR	13.3, 13.4, 13.5, 13.6	To be completed by contractor. Between weeks 228 and 234	Purchaser's or THN's premises	Service	Task	1			-	Investment	
15.3	PSA Meeting - UK	13.3, 13.4, 13.5, 13.6	To be completed by contractor. Between weeks 141 and 147	Purchaser's or THN's premises	Service	Task	1			-	Investment	
<b>TOTAL PRICE CLIN 15</b>												
<b>CLIN 16 (BASE CONTRACT) - Final System Acceptance (FSA)</b>												
16.1	FSA PSA Meeting	13.9, 13.10, 13.11, 13.12	EDC+260 weeks	Purchaser's premises	Service	Task	1			-	Investment	
<b>TOTAL PRICE CLIN 16</b>												
<b>CLIN 17 (BASE CONTRACT) - System Warranty (12 months)</b>												
17.1	Warranty support, incl. repair, provisioning of spare parts and all other CLS supporting activities	11.3	FSA + 52 weeks	Radio Sites	Service	Task	1			-	Investment	
<b>TOTAL PRICE CLIN 17</b>												
<b>TOTAL FIRM FIXED PRICE- BASE CONTRACT</b>												
<b>OPTIONS NON EVALUATED</b>												
CLIN	Description	Reference	Required Completion Date	Delivery Destination	Delivery Form	Unit of measure	Quantity	Quantity	Total Firm Fixed Price	Investment or O&M	Optional Comments (Mandatory for zero cost lines)	
<b>CLIN 18 (OPTION) - On-Demand CLS Service Options During Warranty - UK</b>												
<b>18.1 SUB-CLIN 18.1-SC01 Maintenance and Support</b>												
18.1.1	SC01-SS01 On-Site Intervention Services	4.2	FSA + 12 Months	THN's premises UK	Service	Day	1			-	Investment	
18.1.2	SC01-SS02 Off-Site Intervention/Support Services	4.2	FSA + 12 Months	THN's premises UK	Service	Hour	1			-	Investment	
<b>TOTAL PRICE SUB-CLIN 18.1</b>												
<b>18.2 SUB-CLIN 18.2-SC02 Supply Support</b>												
18.2.1	SC02-SS01 Stock Replenishment	4.2	FSA + 12 Months	THN's premises UK	Equipment	Item	1			-	Investment	
18.2.2	SC02-SS02 Stock Replenishment (with obsolescence)	4.2	FSA + 12 Months	THN's premises UK	Equipment	Item	1			-	Investment	
18.2.3	SC02-SS03 Stock Replenishment (with design change)	4.2	FSA + 12 Months	THN's premises UK	Equipment	Item	1			-	Investment	
<b>TOTAL PRICE SUB-CLIN 18.2</b>												
<b>18.3 SUB-CLIN 18.3-SC03 Obsolescence Management</b>												
18.3.1	SC03-SS01 OBS Monitoring	4.2	FSA + 12 Months	THN's premises UK	Service	Year	1			-	Investment	
18.3.2	SC03-SS02 OBS Solution	4.2	FSA + 12 Months	THN's premises UK	Service	Task/ECP	1			-	Investment	
<b>TOTAL PRICE SUB-CLIN 18.3</b>												
<b>18.4 SUB-CLIN 18.4-SC04 Sustainability</b>												
18.4.1	SC04-SS01 Post Design Services (PDS)	4.2	FSA + 12 Months	THN's premises UK	Service	Task/ECP	1			-	Investment	
18.4.2	SC04-SS02 Failure Reporting Analysis and Corrective Action System (FRACAS)	4.2	FSA + 12 Months	THN's premises UK	Document	Year	1			-	Investment	
<b>TOTAL PRICE SUB-CLIN 18.4</b>												
<b>18.5 SUB-CLIN 18.5-SC05 Data Management</b>												
18.5.1	SC05-SS02 Configuration Management	4.2	FSA + 12 Months	THN's premises UK	Service	Year	1			-	Investment	
<b>TOTAL PRICE SUB-CLIN 18.5</b>												
<b>18.6 SUB-CLIN 18.6-SC06 Training</b>												
18.6.1	SC06-SS01 Operation and Maintenance Training	4.2	FSA + 12 Months	THN's premises UK	Service	Year	1			-	Investment	
<b>TOTAL PRICE SUB-CLIN 18.6</b>												
<b>TOTAL PRICE CLIN 18</b>												
<b>CLIN 19 (OPTION) -Post-Warranty CLS Service Options - UK</b>												
<b>19.1 SUB-CLIN 21.1-SC00-SS01 Framework On-Demand CLS Management</b>												
19.1.1	SC00-SS01 Framework On-Demand CLS Management (FSA+1 Years to FSA+4 Years)	5.1, 5.2	FSA + 48 Months	THN's premises UK	Service	3-year term	1			-	Investment	
19.1.2	SC00-SS01 Framework On-Demand CLS Management (FSA+4 Years to FSA+7 Years)	5.1, 5.2	from FSA+48 Months to FSA+84 Months	THN's premises UK	Service	3-year term	1			-	Investment	
19.1.3	SC00-SS01 Framework On-Demand CLS Management (FSA+7 Years to FSA+10 Years)	5.1, 5.2	from FSA+84 Months to FSA+120 Months	THN's premises UK	Service	3-year term	1			-	Investment	
<b>TOTAL PRICE SUB-CLIN 19.1</b>												
<b>19.2 SUB-CLIN 19.2-SC01 Maintenance and Support</b>												
19.2.1	SC01-SS01 On-Site Intervention Services (FSA+1 Years to FSA+4 Years)	5.1, 5.2	FSA + 48 Months	THN's premises UK	Service	Day	1			-	Investment	
19.2.2	SC01-SS01 On-Site Intervention Services (FSA+4 Years to FSA+7 Years)	5.1, 5.2	from FSA+48 Months to FSA+84 Months	THN's premises UK	Service	Day	1			-	Investment	
19.2.3	SC01-SS01 On-Site Intervention Services (FSA+7 Years to FSA+10 Years)	5.1, 5.2	from FSA+84 Months to FSA+120 Months	THN's premises UK	Service	Day	1			-	Investment	
19.2.4	SC01-SS02 Off-Site Intervention/Support Services (FSA+1 Years to FSA+4 Years)	5.1, 5.2	FSA + 48 Months	THN's premises UK	Service	Hour	1			-	Investment	
19.2.5	SC01-SS02 Off-Site Intervention/Support Services (FSA+4 Years to FSA+7 Years)	5.1, 5.2	from FSA+48 Months to FSA+84 Months	THN's premises UK	Service	Hour	1			-	Investment	
19.2.6	SC01-SS02 Off-Site Intervention/Support Services (FSA+7 Years to FSA+10 Years)	5.1, 5.2	from FSA+84 Months to FSA+120 Months	THN's premises UK	Service	Hour	1			-	Investment	
19.2.7	SC01-SS03 Repair on Need Services (FSA+1 Years to FSA+4 Years)	5.1, 5.2	FSA + 48 Months	THN's premises UK	Service	Day	1			-	Investment	
19.2.8	SC01-SS03 Repair on Need Services (FSA+4 Years to FSA+7 Years)	5.1, 5.2	from FSA+48 Months to FSA+84 Months	THN's premises UK	Service	Day	1			-	Investment	
19.2.9	SC01-SS03 Repair on Need Services (FSA+7 Years to FSA+10 Years)	5.1, 5.2	from FSA+84 Months to FSA+120 Months	THN's premises UK	Service	Day	1			-	Investment	
<b>TOTAL PRICE SUB-CLIN 19.2</b>												
<b>19.3 SUB-CLIN 19.3-SC02 Supply Support</b>												
19.3.1	SC02-SS01 Stock Replenishment (FSA+1 Years to FSA+4 Years)	5.1, 5.2	FSA + 48 Months	THN's premises UK	Equipment	Item	1			-	Investment	
19.3.2	SC02-SS01 Stock Replenishment (FSA+4 Years to FSA+7 Years)	5.1, 5.2	from FSA+48 Months to FSA+84 Months	THN's premises UK	Equipment	Item	1			-	Investment	
19.3.3	SC02-SS01 Stock Replenishment (FSA+7 Years to FSA+10 Years)	5.1, 5.2	from FSA+84 Months to FSA+120 Months	THN's premises UK	Equipment	Item	1			-	Investment	
19.3.4	SC02-SS02 Stock Replenishment (with obsolescence) (FSA+1 Years to FSA+4 Years)	5.1, 5.2	FSA + 48 Months	THN's premises UK	Equipment	Item	1			-	Investment	
19.3.5	SC02-SS02 Stock Replenishment (with obsolescence) (FSA+4 Years to FSA+7 Years)	5.1, 5.2	from FSA+48 Months to FSA+84 Months	THN's premises UK	Equipment	Item	1			-	Investment	



21.4.5	SC03-SS02 OBS Solution (FSA+4 Years to FSA+7 Years)	5.1, 5.2	from FSA+48 Months to FSA+84 Months	THN's premises UK	Service	Task/ECP	1		-	Investment
21.4.6	SC03-SS02 OBS Solution (FSA+7 Years to FSA+10 Years)	5.1, 5.2	from FSA+84 Months to FSA+120 Months	THN's premises UK	Service	Task/ECP	1		-	Investment
<b>TOTAL PRICE SUB-CLIN 21.4</b>										
21.5	<b>SUB-CLIN 21.5-SC04 Sustainability</b>									
21.5.1	SC04-SS01 Post Design Services (PDS) (FSA+1 Years to FSA+4 Years)	5.1, 5.2	FSA + 48 Months	THN's premises UK	Service	Task/ECP	1		-	Investment
21.5.2	SC04-SS01 Post Design Services (PDS) (FSA+4 Years to FSA+7 Years)	5.1, 5.2	from FSA+48 Months to FSA+84 Months	THN's premises UK	Service	Task/ECP	1		-	Investment
21.5.3	SC04-SS01 Post Design Services (PDS) (FSA+7 Years to FSA+10 Years)	5.1, 5.2	from FSA+84 Months to FSA+120 Months	THN's premises UK	Service	Task/ECP	1		-	Investment
21.5.4	SC04-SS02 Failure Reporting Analysis and Corrective Action System (FRACAS) FSA+1 Years to FSA+4 Years)	5.1, 5.2	FSA + 48 Months	THN's premises UK	Document	3-year term	1		-	Investment
21.5.5	SC04-SS02 Failure Reporting Analysis and Corrective Action System (FRACAS) FSA+4 Years to FSA+7 Years)	5.1, 5.2	from FSA+48 Months to FSA+84 Months	THN's premises UK	Document	3-year term	1		-	Investment
21.5.6	SC04-SS02 Failure Reporting Analysis and Corrective Action System (FRACAS) FSA+7 Years to FSA+10 Years)	5.1, 5.2	from FSA+84 Months to FSA+120 Months	THN's premises UK	Document	3-year term	1		-	Investment
<b>TOTAL PRICE SUB-CLIN 21.5</b>										
21.6	<b>SUB-CLIN 21.6-SC05 Data Management</b>									
21.6.1	SC05-SS01 Technical Publications (FSA+1 Years to FSA+4 Years)	5.1, 5.2	FSA + 48 Months	THN's premises UK	Document	3-year term	1		-	Investment
21.6.2	SC05-SS01 Technical Publications (FSA+4 Years to FSA+7 Years)	5.1, 5.2	from FSA+48 Months to FSA+84 Months	THN's premises UK	Document	3-year term	1		-	Investment
21.6.3	SC05-SS01 Technical Publications (FSA+7 Years to FSA+10 Years)	5.1, 5.2	from FSA+84 Months to FSA+120 Months	THN's premises UK	Document	3-year term	1		-	Investment
21.6.4	SC05-SS02 Configuration Management (FSA+1 Years to FSA+4 Years)	5.1, 5.2	FSA + 48 Months	THN's premises UK	Document	3-year term	1		-	Investment
21.6.5	SC05-SS02 Configuration Management (FSA+4 Years to FSA+7 Years)	5.1, 5.2	from FSA+48 Months to FSA+84 Months	THN's premises UK	Document	3-year term	1		-	Investment
21.6.6	SC05-SS02 Configuration Management (FSA+7 Years to FSA+10 Years)	5.1, 5.2	from FSA+84 Months to FSA+120 Months	THN's premises UK	Document	3-year term	1		-	Investment
<b>TOTAL PRICE SUB-CLIN 21.6</b>										
21.7	<b>SUB-CLIN 21.7-SC06 Training</b>									
21.7.1	SC06-SS01 Operation and Maintenance Training (FSA+1 Years to FSA+4 Years)	5.1, 5.2	FSA + 48 Months	THN's premises UK	Service	3-year term	1		-	Investment
21.7.2	SC06-SS01 Operation and Maintenance Training (FSA+4 Years to FSA+7 Years)	5.1, 5.2	from FSA+48 Months to FSA+84 Months	THN's premises UK	Service	3-year term	1		-	Investment
21.7.3	SC06-SS01 Operation and Maintenance Training (FSA+7 Years to FSA+10 Years)	5.1, 5.2	from FSA+84 Months to FSA+120 Months	THN's premises UK	Service	3-year term	1		-	Investment
<b>TOTAL PRICE SUB-CLIN 21.7</b>										
<b>TOTAL PRICE CLIN 21</b>										
22	<b>CLIN 22 (OPTIONS) -On-Demand CLS Service Options During Warranty - GR</b>									
22.1	<b>SUB-CLIN 22.1-SC01 Maintenance and Support</b>									
22.1.1	SC01-SS01 On-Site Intervention Services	4.2	FSA + 12 Months	THN's premises GR	Service	Day	1		-	Investment
22.1.2	SC01-SS02 Off-Site Intervention/Support Services	4.2	FSA + 12 Months	THN's premises GR	Service	Hour	1		-	Investment
<b>TOTAL PRICE SUB-CLIN 22.1</b>										
22.2	<b>SUB-CLIN 22.2-SC02 Supply Support</b>									
22.2.1	SC02-SS01 Stock Replenishment	4.2	FSA + 12 Months	THN's premises GR	Equipment	Item	1		-	Investment
22.2.2	SC02-SS02 Stock Replenishment (with obsolescence)	4.2	FSA + 12 Months	THN's premises GR	Equipment	Item	1		-	Investment
22.2.3	SC02-SS03 Stock Replenishment (with design change)	4.2	FSA + 12 Months	THN's premises GR	Equipment	Item	1		-	Investment
<b>TOTAL PRICE SUB-CLIN 22.2</b>										
22.3	<b>SUB-CLIN 22.3-SC03 Obsolescence Management</b>									
22.3.1	SC03-SS01 OBS Monitoring	4.2	FSA + 12 Months	THN's premises GR	Service	Year	1		-	Investment
22.3.2	SC03-SS02 OBS Solution	4.2	FSA + 12 Months	THN's premises GR	Service	Task/ECP	1		-	Investment
<b>TOTAL PRICE SUB-CLIN 22.3</b>										
22.4	<b>SUB-CLIN 22.4-SC04 Sustainability</b>									
22.4.1	SC04-SS01 Post Design Services (PDS)	4.2	FSA + 12 Months	THN's premises GR	Service	Task/ECP	1		-	Investment
22.4.2	SC04-SS02 Failure Reporting Analysis and Corrective Action System (FRACAS)	4.2	FSA + 12 Months	THN's premises GR	Document	Year	1		-	Investment
<b>TOTAL PRICE SUB-CLIN 22.4</b>										
22.5	<b>SUB-CLIN 22.5-SC05 Data Management</b>									
22.5.1	SC05-SS02 Configuration Management	4.2	FSA + 12 Months	THN's premises GR	Service	Year	1		-	Investment
<b>TOTAL PRICE SUB-CLIN 22.5</b>										
22.6	<b>SUB-CLIN 22.6-SC06 Training</b>									
22.6.1	SC06-SS01 Operation and Maintenance Training	4.2	FSA + 12 Months	THN's premises GR	Service	Year	1		-	Investment
<b>TOTAL PRICE SUB-CLIN 22.6</b>										
<b>TOTAL PRICE CLIN 22</b>										

CLIN	Labour Category	Currency	Man-Days 2022	Man-Days 2023	Man-Days 2024	Man-Days 2025	Man-Days 2026	Man-Days 2027	Man-Days 2028	Man-Days 2029	Man-Days 2030	Man-Days 2031	Man-Days 2032	Lab-rate 2023	Lab-rate 2024	Lab-rate 2025	Lab-rate 2026	Lab-rate 2027	Lab-rate 2028	Lab-rate 2029	Lab-rate 2030	Lab-rate 2031	Extended cost	Expat Allowance (ONLY if applicable)	Profit	Fully burdened cost	Subcontracted/ Name of Subcontractor	No	
Example, CLIN 1.1.1	Systems Engineer	Euro (EUR)	25	20	15	10	5	10	15	20	25	30	50.00	51.00	52.00	53.00	54.00	55.00	56.00	57.00	58.00	59.00	9,600.00	-	960.00	10,560.00			
CLIN 1.1	Insert Labour category name here																								0.00	0.00			
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		
	Insert Labour category name here																									0.00	0.00		





Insert Origin/destination	-	0.00	0.00
Insert Origin/destination	-	0.00	0.00
Insert Origin/destination	-	0.00	0.00
Insert Origin/destination	-	0.00	0.00
Insert Origin/destination	-	0.00	0.00
Insert Origin/destination	-	0.00	0.00
Insert Origin/destination	-	0.00	0.00
Insert Origin/destination	-	0.00	0.00
Insert Origin/destination	-	0.00	0.00
Insert Origin/destination	-	0.00	0.00
Insert Origin/destination	-	0.00	0.00
Insert Origin/destination	-	0.00	0.00
Insert Origin/destination	-	0.00	0.00
Insert Origin/destination	-	0.00	0.00
Insert Origin/destination	-	0.00	0.00
<b>Total</b>			<b>0.00</b>



Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
Insert Other Direct Cost item	0.00	0.00	0.00
<b>Total</b>			<b>0.00</b>

Rate Name	Rate description*	Percentage
[Insert Rate Name]		0%
[Insert Rate Name]		0%
[Insert Rate Name]		0%

**IFB-CO-15577-SSSB-UK-GR-NL**



**BOOK II**

**PART II – CONTRACT SPECIAL PROVISIONS**

NATO UNCLASSIFIED

IFB-CO-15577-SSSB-UK-GR-NL-Amdt3

**SIGNATURE SHEET**

**CONTRACT IFB-CO-15577-SSSB-UK-GR-NL  
Between  
NCI Organisation, as  
represented by the General Manager NCI Agency  
(Purchaser)**

**and**

.....

**(Contractor)**

IN WITNESS HEREOF the parties hereto have caused this agreement to be executed by their duly authorised officers on the date shown hereunder:

Signature of Contractor: .....

Name of Signer: .....

Title of Signer: .....

Date: .....

Signature of Purchaser: .....

Name of Signer: .....

Title of Signer: .....

Date: .....

EFFECTIVE DATE OF CONTRACT: .....

CONTRACT VALUE: .....

NATO UNCLASSIFIED

## TABLE OF CONTENTS

<b>PART I - SCHEDULE OF SUPPLIES AND SERVICES (SSS)</b> .....	<b>1</b>
<b>PART II - SPECIAL CONTRACT PROVISIONS</b> .....	<b>1</b>
<b>1. INTERPRETATION, DEFINITIONS, AND ACRONYMS</b> .....	<b>2</b>
<b>2. ORDER OF PRECEDENCE</b> .....	<b>2</b>
<b>3. SCOPE OF WORK</b> .....	<b>3</b>
<b>4. PARTICIPATING COUNTRIES</b> .....	<b>3</b>
<b>5. CONTRACT TYPE</b> .....	<b>4</b>
<b>6. INVOICES AND PAYMENT TERMS</b> .....	<b>5</b>
<b>7. CONTRACTOR RESPONSIBILITY</b> .....	<b>6</b>
<b>8. PRICING OF CHANGES, AMENDMENTS AND CLAIMS</b> .....	<b>6</b>
<b>9. OPTIONS</b> .....	<b>7</b>
<b>10. RISK OF LOSS OR DAMAGE</b> .....	<b>8</b>
<b>11. COTS PRODUCTS REPLACEMENT</b> .....	<b>8</b>
<b>12. NATO USE OF THIRD PARTIES</b> .....	<b>9</b>
<b>13. CONTRACT ADMINISTRATION</b> .....	<b>9</b>
<b>14. TECHNICAL DIRECTION</b> .....	<b>11</b>
<b>15. LIQUIDATED DAMAGES</b> .....	<b>12</b>
<b>16. CONTRACTOR'S EMPLOYEES</b> .....	<b>13</b>
<b>17. KEY PERSONNEL</b> .....	<b>14</b>

18. INDEPENDENT CONTRACTOR.....	15
19. INTELLECTUAL PROPERTY RIGHTS .....	16
20. CONFIDENTIALITY AND NON-DISCLOSURE .....	16
21. CONFLICT OF INTEREST .....	17
22. PURCHASER FURNISHED PROPERTY AND SERVICES.....	19
23. COMPREHENSION OF CONTRACT AND SPECIFICATIONS.....	20
24. WARRANTY PERIOD .....	21
25. PERFORMANCE GUARANTEE .....	22
26. SECURITY.....	23
27. SUPPLEMENTAL AGREEMENTS / EXPORT CONTROLLED INFORMATION.....	25
28. SCHEDULE OF SITE INSTALLATIONS .....	26
29. DIFFERING SITE CONDITIONS .....	26
30. CONTRACTOR AND PURCHASER SYSTEM INSTALLATION RESPONSIBILITIES.....	27
31. LIAISON WITH PURCHASER DURING SITE PREPARATION ACTIVITIES .....	27
32. PROTECTION OF WATER, LAND, EXISTING VEGETATION, STRUCTURES, EQUIPMENT, UTILITIES, AND IMPROVEMENTS.....	28
33. OPERATIONS AND STORAGE AREAS .....	28
34. SITE CLEAN UP .....	29
35. AVAILABILITY AND USE OF UTILITY SERVICES .....	29
36. PLACE AND TERMS OF DELIVERY .....	30
37. ENGINEERING CHANGE PROPOSALS (ECP).....	30

38. OPTIMISATION.....32

39. PATENT AND COPYRIGHT INDEMNITY.....33

40. NOTICE OF AUTHORIZED DISCLOSURE OF INFORMATION FOR  
MANDATED NATO THIRD PARTY AUDITS BY RESOURCE COMMITTEES  
33

**41. FORCE MAJEURE CLAUSE.....34**

ANNEX A.....LIST OF ABBREVIATIONS  
1

ANNEX B.....NON-DISCLOSURE DECLARATION  
1

ANNEX C.....KEY PERSONNEL  
1

ANNEX D.....SCHEDULE OF PAYMENT MILESTONES  
1

ANNEX E.....LIST OF SUBCONTRACTORS  
1

ANNEX F..... CONTRACTOR AND SUBCONTRACTOR BACKGROUND IPR  
1

ANNEX G.....THIRD PARTY IPR  
1

ANNEX H..... TEMPLATE OF ECP SIGNATURE PAGE  
1

ANNEX I.....LIST OF ACCEPTABLE BANKS TO ISSUE PERFORMANCE  
GUARANTEES.....1

**PART III – GENERAL CONTRACT PROVISIONS**

**PART IV – STATEMENT OF WORK**

This page is intentionally left blank

**IFB-CO-15577-SSSB-UK-GR-NL**

**SSSB**

**PART I - SCHEDULE OF SUPPLIES AND SERVICES (SSS)**

*(THIS SECTION WILL BE DERIVED FROM THE BIDDING SHEETS SUBMITTED BY THE SUCCESSFUL BIDDER)*