



NCIA/ACQ/2022/07134
16 September 2022

To : Distribution List
Subject : Amendment 5 – IFB-CO-15577-SSSB

Reorganisation of Ship-Shore-Ship Buffer (SSSB) Capability Including Associated Communications Systems

Answers to Clarification Requests and 42 days extension of Bid Closing Date

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
F. Issuance of IFB-CO-15577-SSSB-Amd3, dated 28 June 2022
G. Issuance of IFB-CO-15577-SSSB-Amd4, dated 26 July 2022

1. In accordance with Reference A, the purpose of this Amendment 5 is to respond to the Clarification Requests regarding previous Amendments (A.67, T.114, T.115) and to provide a final 42 days extension of the Bid Closing Date.
2. The Book I, Part I, Bidding Instructions, Section 2, General Bidding Information, Paragraph 2.3 of the IFB-CO-15577-SSSB-Amendment 4 as stated in reference G is hereby revised, as follows:

FROM "Friday, September 16, 2022 at 14:00 Hours Central European Time (CET)"

TO "**Friday, October 28, 2022 at 14:00 Hours Central European Time (CET)**"
3. Purchaser Provided Clarifications are hereby issued in Attachment A and a revised Annex G - Book I - IFB-CO-15577-SSSB in Attachment B.
4. Except as provided in the paragraphs above, all other terms and conditions of the Invitation for Bid remain unchanged.
5. 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

FOR THE CHIEF OF ACQUISITION

Mr. Martin Steenwege
Senior Contracting Officer

A handwritten signature in blue ink, appearing to read 'Martin Steenwege', is written over a horizontal line.



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Enclosures:

Attachment A: Answers to Clarification Requests IFB-CO-15577-SSSB-Amendment 5

Attachment B: Revised Annex G. Cross Reference - Traceability Matrix

Attachment C: Distribution List for IFB-CO-15577-SSSB-Amendment 5



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ATTACHMENT A

Answers to Clarification Requests IFB-CO-15577-SSSB-Amendment 5

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.1	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"> - the number of Bidders solicited; - the number of bids received; - the name of the apparent winning company; and, - the apparent winning bid's overall price. 	Closed

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.2	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.3		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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.4		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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.5	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.6	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)

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.7	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.8	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.9	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.10	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.12	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.13	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.14	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?	A new Price Variation clause has been inserted in the Contract Special Provisions (Clause 42).	Amd 4

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.15	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.16	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.17	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.18	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?	Please see A.14.	Amd 4

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.19	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.20	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.21	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?	Please see A.14.	Amd 4

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.22	Book II-Part II and III-Prospective Contract clause 9.5	Please see question in 9.1 and 9.2 it also apply here.	Please see the amended Article 9.5 in the Contract Special Provisions.	Amd 4

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.23	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.24	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?	Please see A.14.	Amd 4

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.25	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.26	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.27	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.28	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.29	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

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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.31	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.32	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.33	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
			<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>	

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.34	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.35	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.36	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.37	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.38	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.39	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.40	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.41	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.42	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.43	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.44	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.45	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

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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.47	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.48	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.49	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 if during the site survey additional effort and cost is discovered by circumstances that could not have reasonably been foreseen (e.g., buried obstacles that are not shown on any drawings furnished)."	Amd 3

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.51	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 during the site surveys it has investigated and satisfied itself as to the general and local conditions that can affect the work or its cost, (...)"	Amd 3

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.53	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.54	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.55	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.56	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.57	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.58	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.59	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.60	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.61	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.62	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.63	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.64	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.65	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

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.66	Book I – Part I – Section 2.12.3 – 2.12.4	In relation to the issue of the bid guarantee, is it possible to issue it according to the new banking legislation that regulates the issuance of the guarantee itself regulated by UCP 600 instead of ISP 98?	<p>It is possible to issue a Bid Guarantee according to UCP 600 or ISP 98 as long as the following basic principles remain:</p> <ul style="list-style-type: none"> (1) it is a written commitment by one of the financial institutions listed in Annex H of Book I in the IFB; and (2) it includes the: IFB/Contract Number, Bank Name, Bidder/Contractor Name, Amount, Expiration Date, and that overall, the language of the Bid Guarantee is substantially similar to Annex C of Book I in the IFB (Standby Letter of Credit). 	Amd 4

ADMINISTRATION or CONTRACTING				
Serial NR	IFB REF	QUESTION	ANSWER	STATUS
A.67	Book I - Part I - Bidding Instructions - Amd 4 - Annex G;	Reference's to Bid Instruction and Bid Evaluation paragraphs in "Annex G. Cross Reference - Traceability Matrix" document are not matching with the paragraphs of "IFB-CO-15577-SSSB - Book I - Part I - Bidding Instructions - Amd 4".	Correct, the ref nr were misaligned. See Attachment B for the revised version of Annex G.	Amd 5

PRICE				
Serial NR	IFB REF	QUESTION	ANSWER	Status
P.1		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
P.2		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
P.3		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
P.4	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
P.5	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
P.6	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"> • TX 1 / 2 at Julianadorp operational together with RX 1 / 2 at 	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			<p>Noordwijk</p> <ul style="list-style-type: none"> • TX 3 / 4 at Zeewolde (at this moment Ouddorp) operational together with RX 3 / 4 op Noordwijk. • This means that activities cannot be performed per site, but are transmitter/receiver dependent <p>UHF:</p> <ul style="list-style-type: none"> • 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. <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"> 1. Supplier provides antenna and transmission installation data. 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) 3. The supplier provides specifications for foundation positions. 4. Central government real estate company (RVB) makes foundations/lays cables. 	Closed

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
			5. Supplier installs antenna/connects. 6. We measured the safe distance around the antenna (3 days) 7. RVB installs fences.	
T.8	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
T.9	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- List of Approved companies provided (see attachment). 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
T.10	Book II, Part IV, Annex D	How long is taken for permissions? Is schedule affected?	Also refer to T8 Above.UK - THN UK would to 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 & 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>	

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
T.11	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
T.12	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
T.13	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"> - The L22 EPM SW Upgrade Part Number - L22 EPM NSN - A statement about how the upgrade is integrated <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"> - 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 	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	<p>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>	<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.</p> <p>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>	
T.17	<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

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
T.18	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
T.19	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
T.20	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
T.21	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"> 1.Configuration documentation 2.Technical Manuals, 3.Technical documentation 4.Training materials <p>to be delivered in the frame of Contract and shall be subject of the training</p>	
T.22	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
T.23	IFB-CO-15577-SSSB-Book II-Part IV, SOW, Annex A, Figures 8 to 13	<ol style="list-style-type: none"> 1. Please confirm that labels market as POL in figures 8 to 13 are actually be GBR. 2. Please confirm that whether items stated as Power Control in figures 8 to 13 are actually be SMS or part of SMS? 	<ol style="list-style-type: none"> 1. Confirming figures 8 to 13 relate to GBR not POL (Blue box to be read as GBR). 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 	Amd 3

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			<p>Contractor.</p> <p>Change will be reflected in Amendment 3.</p>	
T.24	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
T.25	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"> 1. SMS shall interface with the OSCC. 2. SMS has full Site Monitoring functional responsibility. 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. 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. 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. 	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"> 1. What will be the required level of compatibility? 2. Is there any information about the already installed and planned to be installed monitoring systems? 3. Does technical information including ICDs (hardware and software) will be provided to Contractor by the HN? 	<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

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			Change/addition will be reflected in Amendment 3.	
T.28	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
T.29		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
T.30		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

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
T.31		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
T.32	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
T.33	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
T.34	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

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
		(It is a known issue that such permissions are very difficult to obtain)		
T.35	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
T.36	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
T.37	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

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
T.38	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
T.39	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
T.40	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

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
		separate matrices for transmit and receive purposes. Please clarify!		
T.41	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
T.42	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		
T.43	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"> a. Supply Storage Room/Workshop and Test facilities for electronic equipment – NR60 b. SSSB Equipment room (if no HVAC inside– NR50) c. Corridor and vestibule– NR45 d. Power Generator room – NR75 e. Main Power switchgear room – NR70 f. UPS/Battery room – NR70 g. Environment Control room (HVAC) – NR75 	

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
T.46	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
T.47	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
T.48	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
T.49	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		
T.50	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"> • DLOS mast designs are not available. • The Contractor will ensure the design satisfies the technical specification described in the SOW and respective Annexes without impacting current operations of existing equipment. 	Closed
T.51	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

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
T.52	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
T.53	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
T.54	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"> • Appendix 4: Civil Works for DLOS and Fiber Optic Interconnection to the National Defense Network, Crete Island, GR • Appendix 8: Civil Works for DLOS antenna replacement, 5 (five) locations, GR <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				
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			<p>MAVRO) and KYTHIRA, this can be in the form of Utility Mains. This can be the case in Kartsinouidi 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>	

TECHNICAL				
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T.56	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
T.57	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"> • DLOS mast designs are not available. • The Contractor will ensure the design satisfies the technical specification described in this SOW and respective Annexes without impacting current operations of existing equipment. 	Closed

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
T.58	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
T.59	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

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
T.60	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
T.61	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

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
T.62	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
T.63	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
T.64	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														
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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												

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
T.67	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
T.68	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
T.69	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
T.70	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

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
		this cases all the documentation package must be done for 3 different projects. Please confirm.		
T.71	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
T.72	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
T.73	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

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
T.74	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
T.75	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
T.76	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
T.77	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

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
			15.4.9. The Purchaser reserves the right to return without review a document that has significant deficiencies.	
T.80	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
T.81	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
T.82	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
T.83	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

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
T.84	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
T.85	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
T.86	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
T.87	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 ³ (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

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
		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 m³ (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>	
T.88	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
T.89	SOW Annex F – NLD Radio Sites	20.3.2. All of the facilities and installations mentioned in the paragraph right above shall meet the regulations and legal prescriptions in accordance with respective THN regulations in force.	NCIA confirms information as documented in SOW Annex F.	Closed
T.90	SOW Annex I – GRC Radio Sites	The Contractor shall prepare and submit construction permits to the THN authorities for THN approval.	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.	Closed

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
		<p>The Contractor shall provide the construction permit, supplemented by any other permits that are required in given locations as one of the first deliverables.</p> <p>Please clarify these sentence. in our understanding the Contractor will be responsible to submit the documentation needed for the approval. And the THN will submit this information to the entities involved in the approval. What will be the expected approval time?</p>	<p>Anticipated timelines for planning permissions can be found on local authority sites.</p>	
T.91	Book II Part IV, Annex H , Chapter 24.5.3.B:	<p>Could we get more information about: "Emergency Operation Conditions: The minimum possible standby equipment shall be provided only where operation of a complete system is absolutely essential for any of the following reasons:Site survival, personnel safety"?</p>	<p>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.</p>	Closed
T.92	Book II Part IV, Annex H , Chapter24.7.1:	<p>Does that mean that the power genset room needs heat radiators?</p>	<p>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</p>	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			generator room might not be required - neither as primary heating nor as stand-by heating equipment.	
T.93	Book II Part IV, Annex H, Chapter 24.8.2:	Could you explain this point more? Does it mean that a fresh air duct shall be installed, or we need to install windows?	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
T.94	Book II Part IV, Annex H, Chapter 24.18:	We understand that the control of the cooling system shall be integrated in a centralized automatic control. so it's not necessary to add a control by room. For the Electric heaters only a thermostat is necessary? What means "Electric heaters"?	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	Closed

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
			shall no be based on hot water production or by burning gas or burning oil etc.	
T.95	Book II Part IV, Annex H , Chapter 24.21.8e:	Where do we need to send the information? Where will the HMI be installed?	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
T.96	Book II Part IV, Annex H , Chapter 24.21.8g:	Which technology? Where do we need to send the information?	The automatic tank gauge shall be an electronic device. The specific technology shall be proposed by the Contractor in its design.	Closed
T.97	Book II Part IV, Annex H , Chapter 24.21.8l:	Where will these fuel pumps be installed, in the power generator room? How many fuel pumps shall be installed? Could we get a diagram?	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	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			against weather conditions as specified in the SOW and suitable access for their O&M shall be assured.	
T.98	Book II Part IV, Annex H , Chapter 24.22.7:	How will the fuel pumps be controlled, with the genset's PLC or other one?	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
T.99	Book II Part IV, Annex H , Chapter 26.5:	What is the meaning of "power station"? A transformer that takes the HV and supply LV?	The term power station refers to the power transformer.	Closed
T.100	Book II Part IV, Annex H , Chapter 26.5.7.f:	Does that mean to add a circuit braker for the earth?	An earth disconnecting switch is required unless the requirements stipulated in 26.5.1, which takes precedence, impose a contradicting requirement.	Closed
T.101	Book II Part IV, Annex H , Chapter 26.8:	Does that mean that a new electrical cabinet shall be delivered in all places, or we can keep the cabinet if all equipment is right? (26.8.3.d)	(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.	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			<p>However, please note requirements that are stipulated in site specific Annexes. An example of those is cited herein:</p> <p>SSSB GRC, Appendix 1:</p> <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>	

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
			<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>	
T.102	Book II Part IV, Annex H , Chapter 26.8.j:	What is the meaning of: “to the electronic equipment (no-break), domestic utilities and auxiliary loads (short-break)”?	<p>26.8.j does not exist. NCIA team assumes the Bidder meant 26.8.1.j</p> <p>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'.</p> <p>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.</p> <p>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.</p>	Closed
T.103	Book II Part IV, Annex H , Chapter 26.8.2.B:	Does that mean that we need to have a motor controller circuit braker for the control alarm from main step-down transformer?	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	Closed

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
			transformer is in compliance with those standards stipulated in the SOW.	
T.104	Book II Part IV, Annex H , Chapter 26.8.5:	Could be possible to have only one digital meter with all the measurement?	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
T.105	Book II Part IV, Annex H , Chapter 26.8.5.b.iv:	Which kind of Earth fault on HV? Is the same ground as in the transformer?	The earth fault alarm on HV means the earth fault alarm on the transformer.	Closed
T.106	Book II Part IV, Annex H , Chapter 26.9:	Could be possible to have a further explanation about the different SMS output.	See T.25	Closed

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
T.107	Book II Part IV, Annex H , Chapter 26.11.1.b:	What is the meaning of “making speed independent of the operator”?	“Making speed independent of the operator” refers to an automatic operation.	Closed
T.108	Book II Part IV, Annex H , Chapter26.11.2. e:	Which is the machine of “energy storage”?	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
T.109	Book II Part IV, Annex H , Chapter26.11.2. g:	What is the meaning of “adjustable thermo-magnetic release? Is it or each circuit?	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
T.110	Book II Part IV, Annex H , Chapter 26.11.3.a:	What is the meaning of “trip device”?	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

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
T.111	Book II Part IV, Annex H , Chapter 26.15.1.w:	What is the purpose of this battery? Do we need to connect something?	The purpose of the referenced batteries is to start the power generator.	Closed
T.112	Book II Part IV, Annex H , Chapter 26.15.3.iii:	What does that mean?	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
T.113	IFB-CO-15577-SSSB-AMD Book II Part IV SOW – Annex D Chapter 3.5.4	The following text is added to the original chapter: g. As full functionality for L22 EPM, HQII and SATURN is required, tunable RF filters shall be implemented for this functionality – as needed. This updated requirement for UHF Transceivers Assembly is available only in SOW for The Netherlands, not in SOW for UK and Greece. Can you explain why this requirement update is only available in The Netherlands SOW as it was clearly stated during the Bidders Conference and listed in Amendment 1 Annex A Answers to Clarification Requests that all equipment for three countries must be identical.	This requirement is indeed needed for all three countries and as such is included in the United Kingdom and Greek SOW Annexes A and G.	Amd 4

TECHNICAL				
Serial NR	IFB REF	QUESTION	ANSWER	Status
T.114		<p>3.12.1 Rack mountable HF-RX Multi-coupler in order to allow the use of one HF antenna with two (4) HF receivers. The following minimum characteristics for Multi-coupler shall be met: IFB-CO-15577-SSSB-Amd3, SOW Annex D – Page 62</p> <p>Quantity of the HF Receivers are different in letters and numbers.</p>	<p>Quantity in numbers is correct :</p> <p>3.12.1 Rack mountable HF-RX Multi-coupler in order to allow the use of one HF antenna with four (4) HF receivers. The following minimum characteristics for Multi-coupler shall be met:</p> <p>This is in line with Figure 9: HF-RX Noordwijk Radio site block diagram and the requirement at 2.8.6.i.</p> <p>2.8.6 HF-RX Equipment.</p> <p>[A] The Contractor is to provide, but not limited to, the following equipment for the radio components, less any equipment listed as PFE:</p> <ul style="list-style-type: none"> a. HF-RX Antenna fields <ul style="list-style-type: none"> i. Qty 1 Wide band antenna, vertical polarization for SSSB, 4 channels ii. RF cabling (incl. trenching) b. HF Receivers component <ul style="list-style-type: none"> i. Qty 4 HF Receivers for SSSB with pre-selectors 	Closed

TECHNICAL				
Serial	IFB	QUESTION	ANSWER	Status
NR	REF			
T.115	Book II - Part IV - Statement of Work - Amd 3	<p>“16.22.4. Content: The Completion Report and Certificates of Training shall contain the following:”</p> <p>There is no following information, whatever they are seems missing.</p>	<p>There is no missing information, only an issue of indenture of the paragraphs :</p> <p>16.22.4. Content: The Completion Report and Certificates of Training shall contain the following:</p> <p>16.22.4.1. Front matter: Content of the front matter shall use Appendix C of MIL-STD-1379 as well as in line with Section 16, Para 16.1.3 above as guidance.</p> <p>16.22.4.2. Evaluation of Training:</p>	Closed

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NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

This Annex G contains the updated ref nr and replaces Annex G of BOOK I - IFB-CO-15577-SSSB - Amd 4.

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Annex G. Cross Reference - Traceability Matrix

Company Name _____

INVITATION FOR BID

IFB-CO-15577-SSSB

CROSS REFERENCE - TRACEABILITY MATRIX

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NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

Bid Instruction Paragraph.	Bid Evaluation Paragraph	Evaluation Criteria	Bid Reference
3.5.3.	4.5.2	Executive Summary	
3.5.3.1.	4.5.2.1.	The bid provides an overview of the salient features of their technical proposal in the form of an executive summary..	
3.5.3.2.	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..	
3.5.4.	4.5.3.	Table of Contents	
3.5.4.1.	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.	
3.5.5.	4.5.4.	Key Personnel	
3.5.5.1.	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::	

NATO UNCLASSIFIED

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NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.5.1.1.	4.5.4.1.1.	Project Manager;	
3.5.5.1.2.	4.5.4.1.2.	Technical Lead;	
3.5.5.1.3.	4.5.4.1.3.	Test Director;	
3.5.5.1.4.	4.5.4.1.4.	ILS Manager.	
3.5.5.2.	4.5.4.2.	Bidders shall provide for all of the above Key personnel at least one of the following valid Certificates:	
3.5.5.2.1.	4.5.4.2.1.	Standardized Language Proficiency (SLP) of 3333 in English corresponding to NATO STANAG 6001;	
3.5.5.2.2.	4.5.4.2.2.	Common European Framework of Reference for Languages (CEFR) C1 for the English language;	
3.5.5.2.3.	4.5.4.2.3.	Test of English as a Foreign Language (TOEFL) Internet-based Test (iBT) 110 - 120;	
3.5.5.2.4.	4.5.4.2.4.	Cambridge English Language Assessment CPE (45 to 59)/ CAE grade B or C / FCE grade A;	
3.5.5.2.5.	4.5.4.2.5.	International English Language Testing System (IELTS) 6 points;	
3.5.5.2.6.	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.	
3.5.6.	4.5.5.	Corporate Experience	
3.5.6.1.	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..	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.6.2.	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..	
3.5.6.3.	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..	
3.5.6.4.	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..	
3.5.6.5.	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::	
3.5.6.5.1.	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.	
3.5.6.5.2.	4.5.5.5.2.	A brief description of the financial and physical scope of the project including the number of systems deployed/delivered.	
3.5.6.5.3.	4.5.5.5.3.	The purchaser(s) of these systems.	
3.5.6.5.4.	4.5.5.5.4.	The user(s) of these systems.	
3.5.6.5.5.	4.5.5.5.5.	The Contract number(s).	
3.5.6.5.6.	4.5.5.5.6.	The start date and end date of the Contract.	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.6.5.7.	4.5.5.5.7.	A valid Point of Contact for verification purposes.	
3.5.6.6.	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:	
3.5.6.6.1.	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;	
3.5.6.6.2.	4.5.5.6.2.	A brief description of the financial and physical scope of the project including the number of systems deployed/delivered;	
3.5.6.6.3.	4.5.5.6.3.	The purchaser(s) of these systems;	
3.5.6.6.4.	4.5.5.6.4.	The user(s) of these systems;	
3.5.6.6.5.	4.5.5.6.5.	The Contract number(s);	
3.5.6.6.6.	4.5.5.6.6.	The start date and end date of the Contract;	
3.5.6.6.7.	4.5.5.6.7.	A valid Point of Contact for verification purposes.	
3.5.6.7.	4.5.5.7.	The bidder shall include the following information regarding their proposed sub-contractors::	
3.5.6.7.1.	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).	
3.5.6.7.2.	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).	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.6.7.3.	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)	
3.5.7.	4.5.6.	Plans and documentation	
3.5.7.1.	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.	
3.5.7.2.	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.	

NATO UNCLASSIFIED

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NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.7.3.	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.	
3.5.7.4.	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.	
3.5.7.5.	4.5.6.5.	The Bidder shall have provided a draft Documentation Submission Plan as detailed in SOW Section 15..	
3.5.7.6.	4.5.6.6.	The Documentation Submission Plan shall not simply restate the SOW requirements.	
3.5.8.	4.5.7.	Communications and Information Systems (CIS)	
3.5.8.1.	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.	

NATO UNCLASSIFIED

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NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.8.2.	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.	
3.5.8.3.	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.	
3.5.8.4.	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.	
3.5.8.5.	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.	
3.5.8.6.	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.	
3.5.8.7.	4.5.7.7.	The bid shall include equipment specifications for each capability separately;	

NATO UNCLASSIFIED

	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.	
3.5.8.8.	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..	

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NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.8.9.	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.	
3.5.8.10.	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.	
3.5.9.	4.5.8.	Civil Works	
3.5.9.1.	4.5.8.1.	The bidders Civil Works schedule shall meet the following requirements:	
3.5.9.1.1.	4.5.8.1.1.	Presents the "civil works sub-project" integrated into the core of this project;	
3.5.9.1.2.	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.);	
3.5.9.1.3.	4.5.8.1.3.	Shows necessary links between the specific civil works tasks and the other tasks of the core project;	
3.5.9.1.4.	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.;	
3.5.9.1.5.	4.5.8.1.5.	Shows 'critical path'.	
3.5.9.2.	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:	
3.5.9.2.1.	4.5.8.2.1.	Building regulations;	
3.5.9.2.2.	4.5.8.2.2.	Stability;	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.9.2.3.	4.5.8.2.3.	Functionality;	
3.5.9.2.4.	4.5.8.2.4.	Technical specifications;	
3.5.9.2.5.	4.5.8.2.5.	Fire protection;	
3.5.9.2.6.	4.5.8.2.6.	Physical security.	
3.5.9.3.	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::	
3.5.9.3.1.	4.5.8.3.1.	Nature of construction, demolishing, dismantling, refurbishment or new build works as well as installation works;	
3.5.9.3.2.	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;	
3.5.9.3.3.	4.5.8.3.3.	Major equipment, installations and material performance parameters;	
3.5.9.3.4.	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);	
3.5.9.3.5.	4.5.8.3.5.	General work schedule.	
3.5.9.4.	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:	
3.5.9.4.1.	4.5.8.4.1.	Floor plans;	
3.5.9.4.2.	4.5.8.4.2.	Site plans;	
3.5.9.4.3.	4.5.8.4.3.	Building elevations (all four sides - the east, west, north and south);	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.9.4.4.	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.	
3.5.9.5.	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::	
3.5.9.5.1.	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);	
3.5.9.5.2.	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.;	
3.5.9.5.3.	4.5.8.5.3.	Drainage installations (1/100 and / or 1/200 scale);	
3.5.9.5.4.	4.5.8.5.4.	Cables, pipes, ducts and trenches (1/100 and / or 1/200 scale);	
3.5.9.5.5.	4.5.8.5.5.	Key dimensions of main infrastructure (for example roads and parking lots, antenna fields).	
3.5.9.6.	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;	
3.5.9.6.1.	4.5.8.6.1.	General plans/ layouts per building (1/100 scale);	
3.5.9.6.2.	4.5.8.6.2.	Key cross sections drawings (scale 1/50);	
3.5.9.6.3.	4.5.8.6.3.	The schematic plans and drawings of key construction details (scale 1/50, 1/20 or 1/10);	
3.5.9.6.4.	4.5.8.6.4.	General roof plans with outlets (1/100 scale);	
3.5.9.6.5.	4.5.8.6.5.	Key dimensions of buildings, rooms and wall openings.	
3.5.9.7.	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:	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.9.7.1.	4.5.8.7.1.	General HVAC installation plans and drawings (with location of main equipment	
3.5.9.7.2.	4.5.8.7.2.	Ventilation ducts for air treatment installations, etc.;	
3.5.9.7.3.	4.5.8.7.3.	General drawings with layout of heating elements, ventilation equipment;	
3.5.9.7.4.	4.5.8.7.4.	In summary, the drawings and cross sections necessary to make the bidder's general proposal understandable	
3.5.9.8.	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:	
3.5.9.8.1.	4.5.8.8.1.	Fire detection and fire alarm plans (with locations of the main components such as control panels, detectors, etc.).	
3.5.9.9.	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:	
3.5.9.9.1.	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.);	
3.5.9.9.2.	4.5.8.9.2.	General plans with indication of lighting points and sockets;	
3.5.9.9.3.	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.	
3.5.9.10.	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:	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.9.10.1.	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.	
3.5.9.11.	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:	
3.5.9.11.1.	4.5.8.11.1.	General plans and drawings (scale 1/100 and / or 1/200);	
3.5.9.11.2.	4.5.8.11.2.	Major details of the structure of roads, parking lots, paths, sidewalks, etc. (scale 1/100 and / or 1/50);	
3.5.9.11.3.	4.5.8.11.3.	General plans for landscaping	
3.5.10.	4.5.9.	Test and Evaluation	
3.5.10.1.	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.	
3.5.10.2.	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.	
3.5.10.3.	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.	

NATO UNCLASSIFIED

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NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.10.4.	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.	
3.5.10.5.	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.	
3.5.10.6.	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.	
3.5.11.	4.5.10.	Provisional System Acceptance (PSA) and Final Systems Acceptance (FSA)	
3.5.11.1.	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.	
3.5.12.	4.5.11.	Security	
3.5.12.1.	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;	

NATO UNCLASSIFIED

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NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

	4.5.11.1.4.	SOW Annex J, System Security Requirements - Section 2.8 - COM - Protection of Communications - COM.13 - Network access control.	
3.5.12.2.	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.	
3.5.12.3.	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.	
3.5.12.4.	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.	
3.5.12.5.	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:	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

	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.	
3.5.12.6.	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.	
3.5.12.7.	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;	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

	4.5.11.7.8.	Project Security Instructions - Section 10.2 - Handling of NATO RESTRICTED Information on Information and Communication Systems (CIS).	
3.5.13.	4.5.12.	ILSP	
3.5.13.1.	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:	
3.5.13.1.1.	4.5.12.1.1.	The Contractor's Integrated Logistic Support (ILS) organization, roles, responsibilities and procedures;	
3.5.13.1.2.	4.5.12.1.2.	ILS activities schedule with dependencies between different activities and deliverables;	
3.5.13.1.3.	4.5.12.1.3.	Maintenance and Support Concept (Maintenance Plan, detailed Maintenance Level definitions and tasks);	
3.5.13.1.4.	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)	
3.5.13.1.4.1.	4.5.12.1.4.1.	Reliability, Availability, Maintainability and Testability (RAMT) Programme planning, activities, processes (including testing);	
3.5.13.1.4.2.	4.5.12.1.4.2.	Logistics Support Analysis planning, reporting (such as Logistics Support Analysis Requirements (LSAR)), activities and processes;	
3.5.13.1.4.3.	4.5.12.1.4.3.	Support Case;	
3.5.13.1.5.	4.5.12.1.5.	Planning of supply support (System Inventory, Codification, Recommended Spare Parts List (RSPL) and Recommended Consumables Items List (RCIL) template);	
3.5.13.1.6.	4.5.12.1.6.	Planning, resourcing, calculating, procuring and providing the Initial Provisioning (spares, consumables, support tools and test equipment)	
3.5.13.1.7.	4.5.12.1.7.	Computer Resources	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.13.1.8.	4.5.12.1.8.	Manpower and Personnel Requirements	
3.5.13.1.9.	4.5.12.1.9.	Packaging, Handling, Storage and Transportation	
3.5.13.1.10.	4.5.12.1.10.	Technical Publications Development Plan	
3.5.13.1.11.	4.5.12.1.11.	Planning of supply chain security	
3.5.13.1.12.	4.5.12.1.12.	Planning of obsolescence management and monitoring (Parts Obsolescence Management Plan)	
3.5.13.2.	4.5.12.2.	Bidders shall provide a detailed approach for the Maintenance and Support Concept in the draft ILS Plan.	
3.5.13.2.1.	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.	
3.5.13.2.2.	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.	
3.5.13.2.3.	4.5.12.2.3.	The draft Maintenance and Support Concept shall be compliant with the SOW requirements in Section 9.	
3.5.14.	4.5.13.	ISSP	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.14.1.	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:	
3.5.14.1.1.	4.5.13.1.1.	The Contractor's Support organization, roles, responsibilities, processes and procedures (between PSA and FSA; and during warranty);	
3.5.14.1.2.	4.5.13.1.2.	Description of the system of interest (SOI);	
3.5.14.1.3.	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;	
3.5.14.1.4.	4.5.13.1.4.	Brief description of the Purchaser and Host Nation maintenance and support organization; their interfaces and interactions with each other;	
3.5.14.1.5.	4.5.13.1.5.	Description of sub-contractors, vendors and other third parties involved in warranty and support;	
3.5.14.1.6.	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;	
3.5.14.1.7.	4.5.13.1.7.	Description of the Sustainability measures (obsolescence management, failure reporting, performance monitoring, reliability and availability assessment and reporting);	
3.5.14.1.8.	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,	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.14.1.9.	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.	
3.5.15.	4.5.14.	CLS Plan	
3.5.15.1.	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::	
3.5.15.1.1.	4.5.14.1.1.	The Contractor's proposed CLS Management Organization;	
3.5.15.1.2.	4.5.14.1.2.	Description and details of the optional CLS services and sub-services that will be made available;	
3.5.15.1.3.	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;	
3.5.15.1.4.	4.5.14.1.4.	CLS Strategy, including intervention on each site, preventive and repair activities, spares replenishment plan and process,	
3.5.15.1.5.	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;	
3.5.15.1.6.	4.5.14.1.6.	Description of how CLS shall be fulfilled during times of crisis and conflict;	
3.5.15.1.7.	4.5.14.1.7.	Method for site personnel to inform CLS Contractor when spares have been used and when assistance is needed;	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.15.1.8.	4.5.14.1.8.	Method of meeting, recording and evaluating the Contractor's performance during CLS and KPI's outlined in SOW;	
3.5.15.1.9.	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.	
3.5.15.1.10.	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.	
3.5.15.1.11.	4.5.14.1.11.	Description of the proposed logistic and maintenance information processes,	
3.5.15.1.12.	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.	
3.5.15.1.13.	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.	
3.5.15.1.14.	4.5.14.1.14.	The CLS Plan shall not simply restate the SOW requirements or solely provide empty templates.	
3.5.16.	4.5.15.	Support Case	
3.5.16.1.	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:	
3.5.16.1.1.	4.5.15.1.1.	How various SRS and SOW RAMT requirements shall be integrated into the system design;	
3.5.16.1.2.	4.5.15.1.2.	How LSA shall be performed including the creation of a draft LCN;	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.16.1.3.	4.5.15.1.3.	Task analysis shall be performed including inputs, methods, tools, standards and outputs (template and content for the proposed design);	
3.5.16.1.4.	4.5.15.1.4.	Level of Repair (LORA) Analysis shall be performed (template and content in accordance with the proposed design);	
3.5.16.1.5.	4.5.15.1.5.	Maintenance Allocation Chart (MAC) shall be provided (template and content in accordance with the proposed design);	
3.5.16.1.6.	4.5.15.1.6.	Total cost of Ownership analysis shall be conducted;	
3.5.16.1.7.	4.5.15.1.7.	Obsolescence Analysis and Management shall be performed;	
3.5.16.1.8.	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);	
3.5.16.1.9.	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.	
3.5.16.2.	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:	
3.5.16.2.1.	4.5.15.2.1.	RAMT allocation, prediction, calculation and testing activities shall be planned, resourced and performed;	
3.5.16.2.2.	4.5.15.2.2.	RAMT allocation, prediction, RBD analysis shall be performed including calculations, inputs, methods, tools, standards and outputs;	
3.5.16.2.3.	4.5.15.2.3.	FMECA shall be performed including inputs, methods, tools, standards and outputs;	
3.5.16.2.4.	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);	
3.5.16.2.5.	4.5.15.2.5.	Testability report shall be provided (template and content in accordance with the proposed design);	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.16.2.6.	4.5.15.2.6.	How the verification and testing activities will be planned and performed;	
3.5.16.3.	4.5.15.3.	The Support Case shall not simply restate the SOW requirements or solely provide empty templates.	
3.5.17.	4.5.16.	Training Plan (TP)	
3.5.17.1.	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.	
3.5.17.2.	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.	
3.5.17.3.	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.	
3.5.17.4.	4.5.16.4.	The Training Plan shall not simply restate the SOW requirements or solely provide empty templates.	
3.5.18	4.5.17.	Configuration Management Plan (CMP)	
3.5.18.1.	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.	
3.5.18.2.	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.	

NATO UNCLASSIFIED

-

NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

3.5.18.3.	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, CMDB etc.).	
3.5.18.4.	4.5.17.4.	The CMP shall not simply restate the SOW requirements.	
3.5.19.	4.5.18.	Quality Assurance (QA)	
3.5.19.1.	4.5.18.1.	The Bidder shall have provided a draft QA Plan as detailed in SOW Section 6.	
3.5.19.2.	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.	
3.5.19.3.	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.	
3.5.19.4.	4.5.18.4.	The QA Plan shall not simply restate the SOW requirements.	

NATO UNCLASSIFIED

-
NATO UNCLASSIFIED

NCIA/ACQ/2022/07134
Attachment B: Revised Annex G
IFB-CO-15577-SSSB-Amd 5

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