



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
Μόνιμη Αντιπροσωπεία της Ελλάδος
στο ΝΑΤΟ

ΑΔΙΑΒΑΘΜΗΤΟ
ΕΠΕΙΓΟΝ

Αρμόδιος: Ασμχος (ΜΕ) Δημήτριος Κανταρτζόγλου

Βρυξέλλες, 01 Οκτωβρίου 2021

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/Δνση Ε Επαγγελματικής Δραστηριότητας
Νίκης 4

ΘΕΜΑ: 6^η Τροποποίηση Αίτησης Υποβολής Προφορών RFQ-CO-115363-PRT-TDCIS, Διαγωνιστικής Διαδικασίας: «Provision of Tactical Deployable Communications and Information Systems (TDCIS) for the Portuguese Army»

1. Διαβιβάζεται, συνημμένως, 6^η Τροποποίηση Αίτησης Υποβολής Προσφορών (Request for Quotation/RFQ) εν θέματι διαγωνιστικής διαδικασίας Basic Ordering Agreement Plus (BOA+), εκ μέρους NCIA, ως φιλοξενούντος έθνους.

2. Επισημαίνεται ότι καταληκτική ημερομηνία υποβολής προσφορών παραμένει η 29^η Οκτωβρίου τ.έ, 13:00 τ.ώ.

3. Ενδιαφερόμενες εταιρίες δύνανται αναζητήσουν πληροφορίες μέσω καθοριζομένου σημείου επαφής (Point of Contact/POC, βλ. παρ. 10 τροποποιήσεως).

4. Παρακαλούμε για τις ενέργειές σας.

ΛΑΜΠΡΙΔΗΣ

Συν. Σελ: 618 & 1 ηλεκτρονικό αρχείο φύλλων δεδομένων

ΑΚΡΙΒΕΣ ΑΝΤΙΓΡΑΦΟ
Ο υπάλληλος της Μ.Α. ΝΑΤΟ
Σταύρος Τσάκωνας
Τμηματάρχης Α', ΕΠ.&ΠΛ.



ANNEX A – CLARIFICATION REQUESTS

TECHNICAL					
Serial Nr	RFQ Section Ref.	OFFEROR'S QUESTION	NCI AGENCY ANSWER	Status*	
T.1	Book II Part IV	SOW Annex A SRS PRTTDCIS-2244	The RFP states that the Iridium terminal is PFE and is the Iridium 9575 PTT Extreme. Please verify the following: 1. Are any accessories provided (ie. Docking stations) 2. Understanding that the PTT version has channel type PTT operation, is there any requirement for 9575 Satphone to operate as normal Satphone with direct dialing to Global telephone numbers or being able to receive inbound calls?	1. Correct, ancillaries Docking Station, Outdoor antenna...) are PFE. 2. The Iridium terminal integrated with MMA-xU will act as a gateway to the Iridium network, allowing a call from xU VoIP service to use the Iridium network for outgoing calls. The Iridium Gateway also need to be integrated in such a way that incoming calls are routed to a VoIP subscriber number.	CLOSED No Changes
T.2			Left blank intentionally		
T.3	Book II Part IV	SOW Annex A SRS PRTTDCIS-2076	Please clarify the timeline required for the Military SATCOM terminal to be WGS certified.	The military SATCOM terminals associated with PRTTDCIS-2076 are to be WGS certified prior to their use within System Testing, to be performed at the Customer's establishment.	CLOSED No Changes

T.4	Book II Part IV	PRTTDCIS - 3083]	Please Confirm the 2.297-2.482 Ghz Band is still a mandatory requirement considering that very few ruggedized/COTS solutions operate in these bands anymore due to the recent increase in Satellite Broadcast Radio and associated repeaters. (Ie: XM Radio etc)	Both ISM bands 2.4 to 2.5 GHz and 5.9 to 6.4 GHz requirement remains extant. PRTTDCIS-3083 amended in SRS v1.4.	AMD 6
T.5	Book II Part IV	PRTTDCIS - 1532 .10)	Can you please give hindsight in to the PFE make and model of the TETRA System? For integration considerations, could you please also mention if the expected interface for the TETRA system? Ie: is hardware or software based?	Details of Radio PTT interface on MMA-xU is design driven. No specific Radio technology nor brand/model are identified yet. This interface is a placeholder for potential future integrations. TETRA is mentioned as a potential Radio technology to connect to. The Radio terminal side will adapt to the MMA-xU interface specifications. Should a Radio gateway be required (like for the CNR in xR), this will be identified and provided as PFE after project delivers.	CLOSED No Changes
T.6	Book II Part IV	PRTTDCIS - 1116	Could you please specify if all the different PFE items to be integrated inside TDCIS (with the exception of crypto as mentioned in AM4) could be able to transit to other NATO countries for the integration work? If not, when, where and how would the PFE be accessible for the integration work?	All non-crypto PFE can be used outside of the home nation; however, all efforts and expenses incurred in recovering and returning PFE to the home nation will be the Contractor's responsibility.	CLOSED No Changes
T.7	Book II Part IV	PRTTDCIS - 2073 .3)	This requirement is usually seen for vehicle like setups to compensate for small movement of vehicle suspension. Is it intended to be able to operate while the shelter is still sitting on the truck or flat bed?	Correct, most common operational scenario will be to operate with shelters mounted on the Vehicle.	CLOSED No Changes
T.8	Book II, Part IV,	SOW Annex A, SRS (PRTTDCIS 3003)	The SRS indicates that each TDCIS Node Shelter should have a storage and transport position for one (1) NS Kit Core Node and one (1) NS Kit Remote Node. Does that mean that the NS Kits will not need to be transported independently of the TDCIS Node Shelter (i.e. will the Contractor need to deliver packaging and handling solutions so they can be carried separately (e.g. as an underslung load on an helicopter)?	NS Kit Elements are Transit case based. These transit cases shall be transported inside the Shelters. If these need to be transported separately, the transit cases shall provide the necessary packaging and handling for transport and storage. See PRTTDCIS-2805, PRTTDCIS-2824, PRTTDCIS-2832, PRTTDCIS-2741, PRTTDCIS-3826, PRTTDCIS-3827, PRTTDCIS-3828	CLOSED No Changes



T.9	Book II, Part IV,	SOW, WP1-98, WP1-103, Appendix F	Requirement WP1-98 requests that the CDR include a demonstration of a Proof of Concept for the TDCIS, and WP1-103 requires it to also include a proof of concept demonstration for the transit cases and its environmental controls. However Appendix F identifies proof of concept for ISM and Shelter. Can the Purchaser please clarify what a proof of concept demonstration for TDCIS should include, e.g. should it include the Shelter?	The Proof Of Concept (POC) expected at CDR is a demonstration of a representative sample of the PRT TDCIS. This includes all nodes (AN, BCC,...,NS Kit, Trailers payload...) setup and configured in a scenario which covers all potential use cases, connectivity and services scenarios. Details are left for the contractor to propose. As a matter of illustration, Purchaser sees this POC demonstration as a Rack-mounted/lab-based PRT TDCIS containing at least one of each node type. For the POC, the Purchaser does not expect the node elements to be already integrated to their associated housing. This is due to the housings, i.e. shelter and, or trailer not having received Purchaser's approval to be manufactured. However, while shelters and trailers will not be expected to be seen at the CDR, this course of action will allow the CDR for such to be conducted separately and in advance of the planned CDR, permitting an early start to the production of these elements.	CLOSED No Changes
T.10	Book I Annex C & Book II Part IV	SoW Annex A SRS, PRTTDCIS-1137	Standard TN-1078 is indicated. We usually work with MIL-STD-810 and STANAG 2805, can one request compliance with any of the latter? If not, can you tell us where to get it?	PRTTDCIS-1138 states TN-1078 shall be the sole reference for environmental protections. TN-1078 was issued to all Prospective Bidders under AMD 5.	CLOSED No Changes
T.11	Book I Annex C & Book II Part IV	SoW Annex A SRS PRTTDCIS-3110	It is indicated that a Free Fall test must be done. This is destructive. Do the project need a Shelter specifically for testing?	As per TN-1078 (PRTTDCIS-1138 and PRTTDCIS-3109), free fall only applies to object lighter than 250kg. Free fall test does not apply to the Shelter itself.	CLOSED No Changes

T.12	Book I Annex C & Book II Part IV	SoW Annex A SRS, PRTTDCIS-1150	A frequency range from 100kHz to 1Ghz is indicated for power, we understand that this range is common for everything? 60db? There is not only one power point but several. We understand that as many filters as points?	Correct, 60dB as a minimum attenuation on the entire band. Nothing prevents for a single filter to cover multiple elements into a single module/node, as long as performance targets (availability...) are still ensured. Nothing prevents to use components which are individually equipped with such filters, either. Details on how this is implemented (for the entire Security domain/per rack / per transit case/for the entire shelter/...) is design-driven.	CLOSED No Changes
T.13	Book I Annex C & Book II Part IV	SoW Annex A SRS, PRTTDCIS-2175	Do we foresee a PLC from which 100% of the equipment is managed based on its monitoring capacity?	Management Subsystem refers to the EMM as per section 3.7.2 of SRS v1.4 PGU Management should be part of the Housing Element Management ToolSuite. See PRTTDCIS-2942 and PRTTDCIS-2960 amongst others.	No Changes
T.14	Book I Annex C & Book II Part IV	SoW Annex A SRS, PRTTDCIS-2467	The type of exterior paint is indicated but not its anti-corrosion protection C3, C4, C5, C5M... etc. Which do we consider?	See new statement PRTTDCIS-3845 in SRS v1.4	AMD 6
T.15	Book I Annex C & Book II Part IV	SoW Annex A SRS, PRTTDCIS-1380	A Shelter according to ASTM 1925 is indicated. No problems, but the frequencies are not indicated.	It is not clear to which frequencies the question refers to. If the question refers to EMI Shielding of the Shelter, please refer to PRTTDCIS-3144.	CLOSED No Changes
T.16	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-2492	Could you please clarify who is the customers preferred 3rd party for Authorized Technical Surveillance Authority in order to certify the trailers?	Neither Purchaser nor Customer has a preference for the 3rd party Certification authority.	CLOSED No Changes
T.17	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1715	Please confirm if the CAS subsystem CPU requirement is intended for each independant nodes. Hence do you expect 120 CPU cores per CAS module? Moreover, do you allow motherboards with double CPU sockets?	Correct, each CAS module (per ISM instance, per Security Domain) shall have a minimum of 120 CPU. Yes, motherboards with double CPU sockets are accepted.	CLOSED No Changes



T.18	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1695	Could you please define how far must the snapshot allow to go back for recovery.	See new statement PRTTDCIS-3846 in SRS v1.4	AMD 6
T.19	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1434	Please clarify, does the term SHDSL refers to the standard G.SHDHL or its replacement VDSL2?	It refers to G.SHDSL.	CLOSED No Changes
T.20	Book II Part IV	SoW Annex A - SRS PRTTDCIS-1531, PRTTDCIS-1522 PRTTDCIS-2695	Can the Purchaser please confirm that the PRT Nationally accredited high-grade IP Crypto and the NATO accredited high-grade IP Crypto are both as specified in PRTTDCIS-1522 and PRTTDCIS-2695	NCIA confirms this is correct.	CLOSED No Changes
T.21	Book II Part IV	SoW Annex A - SRS (PRTTDCIS-1445) (PRTTDCIS-3248)	The SRS notes that TDCIS will be configured with its Mission Data set by the PRT staff in the MPC. Can the Purchaser provide a definition of how this will be done, and any ICDs that the TDCIS will need to comply with?	No, ICD is to comply with, mission data set will be configured by PRT Staff directly into the PRT TDCIS using the Element Management Tool Suite.	CLOSED No Changes
T.22	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1450	Please specify, In the element management module, can we assume the sys admin will have enough knowledge to use CLI (command line interface) or does everything has to be done via a GUI?	The Customer's Signal Regiment staff are proficient in use of CLI, having acquired CISCO CCNA and MICROSOFT certification. However, it remains the customer has a preference for the use of GUI for performance of routine system management tasks. As stated by IPS-134, IPS-135 & IPS-144, the Contractor is to conduct a Training Needs Analysis of the Customer's skill set and identify training necessary to make good the delta, enabling Customer staff to conduct proficiently, their	CLOSED No Changes



				responsibilities identified in the Operational Tasking Inventory.	
T.23	Book II Part IV	SoW Annex A - SRS PRTTDCIS-1555	Can the Purchaser please confirm the breakdown of Ethernet interfaces to be implemented by the PCA i.e. the split between FO and Cu?	See reply to AMD 5 T.61 and T.61 below.	CLOSED No Changes
T.24	Book II Part IV	SoW Annex A - SRS PRTTDCIS-1434, PRTTDCIS-1555	Can the Purchaser please clarify how the 1 off Ethernet Bearer per Node type stated in PRTTDCIS-1434 relates to the PCA Ethernet interface quantities stated in PRTTDCIS-1555?	PRTTDCIS-1434 amended in SRS v1.4	AMD 6
T.25	Book II Part IV	SoW Annex A - SRS PRTTDCIS-2162	Can the Purchaser please clarify whether the 3 off tactical cables on the STP Cable Reel are intended to be used independently (i.e. with MIL-DTL-38999 standard RJFTV male connectors each end) or mated together?	Independently.	CLOSED No Changes
T.26	Book II Part IV	SoW Annex A - SRS PRTTDCIS-1264	Can the purchaser please provide the CNR RoIP Gateway Interface Control Document (ICD) and User Manual to enable the design of CNR to IP telephony integration.	PRTTDCIS-3220 states that all PFE detailed specifications will be shared after Contract Award.	CLOSED No Changes
T.27	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1231	Please specify, do you have requirements for Windows only OS and applications or do you accept Linux OS and apps?	Sys Admin staff has no expertise in other Operating Systems than Microsoft products. As per PRTTDCIS-2462, all User laptops (PFE EUD and Sys Admin) shall be installed with Microsoft Windows. All virtualised servers (VMs) shall preferably be Microsoft Windows based unless bidder demonstrates that requirements cannot be met with those products. If bidder design implements virtualised servers (VMs) based on Operating Systems other than	CLOSED No Changes

				Microsoft Windows, then the bidders shall deliver appropriate training.	
T.28	Book II Part IV	SoW Annex A - SRS PRTTDCIS-2791, PRTTDCIS-2697, PRTTDCIS-2919	PRTTDCIS-2791 specifies the CNM Lite with 2 off interfaces for SysAdmin workstations. Can the Purchaser please clarify how the 2- off System Administrator VoIP phones and 8-off End Users will connect.	UAM -NS added to Core Node lite. PRTTDCIS-2553, PRTTDCIS-2745, PRTTDCIS-2791 and PRTTDCIS-2687 amended in SRS v1.4	AMD 6
T.29	Book II Part IV	SoW Annex A - SRS Section 4.2.3 PRTTDCIS-1664, PRTTDCIS-1659, PRTTDCIS-3240, PRTTDCIS-3241, PRTTDCIS-1256, PRTTDCIS-3238, PRTTDCIS-3239	(PRTTDCIS-1664) States that the hardware of the CNMs shall be physically built the same, such that these modules are interchangeable. The CNM contains the MMA subsystem. Various other SRSs then indicate an element of the MMA (SBC) should be a mix of physical devices and virtual instances depending on the Security Domain. Can the Purchaser please clarify whether the CNM-xS should be physical or virtual ?	PRTTDCIS-1604 is the generic rule: all CNM and MMA are to be built and licenced the same. PRTTDCIS-1625 and PRTTDCIS-1600 induce implementation constraints as a specialisation of this rule for the particular case of the SBC: => xU and xR: SBC as virtual payload of ISM => xS: SBC as a dedicated appliance No physical SBC is expected in MMA-xU nor MMA-xR. Purchaser is aware that a physical SBC will have to be added (not a project deliverable) to any of those MMA to be able to use it on xS.(as per PRTTDCIS-1664).	CLOSED No Changes
T.30	Book II Part IV	SoW Annex A - SRS Section 4.2.2.3 PRTDCIS-1624,	(PRTTDCIS-1624) States the SBC and MTP/TRP instances shall be implemented in DSP-equipped router appliances integrated into the CNM, ie. a Physical Device. SRS (PRTTDCIS-1600) Then states the SBC function shall run as a workload in the ISM for MMA xU and xR. Can the Purchaser please clarify?	PRTTDCIS-1625 and PRTTDCIS-1624 amended in SRS v1.4 See also reply T.29.	AMD 6

		PRTTDCIS-1600			
T.31	Book II Part IV	SoW Annex A - SRS PRTTDCIS-2559	PRTTDCIS-2559 states that NS Kit EUD connections shall be fibre-based. Can the Purchaser please confirm that all End User Devices (PFE), including phones, used with the NS Kit will be supplied with 100BASE-FX 1300nm multimode (SC) Network Adapters?	Connectivity from UAM to EUD is design-driven. End-User (not Sys Admin) appliances are PFE and will be purchased upon recommendation from the Contractor.	CLOSED No Changes
T.32	Book II Part IV	SoW Annex A - SRS PRTTDCIS-1750	refers to the upgrade and/or replacement of the hardware layer, the virtualization layer and the orchestration layer of the ISM, in independent cycles. Can the Purchaser confirm that the text "orchestration layer" is part of the ISM solution, as it is not seen as a separate entity anywhere else in the SOW?	PRTTDCIS-1750 amended in SRS v1.4	AMD 6
T.33	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1706	Please specify, do you require MACsec protocol at layer 2?	Question does not seem linked to PRTTDCIS-1706. There is no requirement for layer 2 MACSec protocol anywhere in TDCIS.	CLOSED No Changes
T.34	Book II Part IV	SoW Annex A - SRS PRTTDCIS-3018	Can the Purchaser confirm the correct size and weights for cabin luggage as this figure could vary depending on Airline used.	The Bidder is to use the most restrictive dimensions by airlines.	CLOSED No Changes



T.35	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1722	Please specify, do you require a minimum data retention for cold data?	All data will remain in the main CAS storage with no migration, or cold data to a separate storage tier is to be planned. Still, the functionality need to exists for potential future expansion. PRTTDCIS-1722 amended in that sense. Cold data mentioned in PRTTDCIS-1722 are to be considered as being part of all storage dimensioning requirements stated across the SRS.	CLOSED No Changes
T.36	Book II Part IV	SoW Annex A - SRS PRTTDCIS-1763	Can the Purchaser confirm that only licenses required to operate the infrastructure should be included and not the entire suite of products for a particular vendor? E.g. Microsoft Active Directory vs All Microsoft Products	Correct. However, licenses shall be delivered to the total maximum available capability. For instance, when licences are based on the quantities of CPU, enough license shall be delivered to be able to use all CPUs (inc. the extra percentage for future expansion), even if those are not all used in the configuration of TDCIS nodes at the moment of delivery.	CLOSED No Changes
T.37	Book II Part IV	SoW Annex A - SRS PRTTDCIS-2999	Can the Purchaser clarify that the Keyboard, Video, Mouse (KVM) adapter is only to be used for rack management and not for management of workloads running on the ISM CAS?	EMM hosts the the Element Management Tool Suite which contains all tools for managing all Node element in a specific security domain. Rack management and ISM CAS payload are to be managed from the EMM. The KVM is the HMI to the EMM.	CLOSED No Changes
T.38	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-3214	Please clarify : The first paragraph specifies six 40GBASE-LR interfaces over LC connectors while bullet 2) refers to 10GBASE-LR over LC connectors. (There seems to be a mismatch.)	PRTTDCIS-3214 does not exists in the SRS. It is supposed that question relates to PRTTDCIS-3124. PRTTDCIS-3124 amended in SRS v1.4.	AMD 6
T.39	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-2815	Please clarify if we are to assume a 20 min UPS as other systems mentionned or different. Please define the expected life duration of the batteries selected (Lithium or Deep cycle lead type batteries)	UPS duration for ISM Lite is defined at PRTTDCIS-2814. Twenty (20) min is the operation time after loss of mains/PG power. Graceful shutdown duration is to be added beyond these 20 min. Purchaser has no preferred batteries types nor technologies as long as these are RoHS compliant and meet SRS requirements (Storage, transport...).	CLOSED No Changes



T.40	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2816	Please specify if Inverter redundancy is required?	As long as PRT TDCIS elements performance targets (Availability...) are met, Purchaser does not specifically request UPS inverter redundancy.	CLOSED No Changes
T.41	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 3113	Could you please specify if this should be demonstrated via analysis or custom testing?	See PRTTDCIS-3109 and reply T.11.	CLOSED No Changes
T.42	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1206	Could you please specify/provide the specific Nato (or applicable) Standard for deconfiguration after mission.	Customer has currently no policy or process currently in place for the asset recovery, data extraction, equipment deconfiguration following an operational deployment. NATO policies and procedures will be available to the Contractor after contract award.	CLOSED No Changes
T.43	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2895	Could you please provide th P/N of the PFE Workstation? Could you please specify the brand and Part Number for the printer. Do you use special printer for Sx or Rx data?	End Users PFE workstations should not influence the design or the printing service. PFE workstations (EUD, not Sys admin) will be purchased by the Customer and provided as PFE as soon as those are identified in the design of the Contractor. The Customer employs Brother MFC-J5330DW & Brother HL-L2375DW printers, which are to be integrated to the Contractor's design. Customer might extend its printer portfolio with other models and brands beyond BROTHER. To that end printing server shall remain multi-vendor compatible.	CLOSED No Changes
T.44	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2988	Could you please confirm you mean HDD and not SSD.	The term HDD used within the SRS is a generic term, referring to Storage Disk Drives, irrespective of the technology they employ. All references to 'Storage Disk Drives' within PRTTDCIS-1721, PRTTDCIS-1823 and PRTTDCIS-1739, shall be taken as Solid State Drives (SSD). New statement added to convention (PRTTDCIS-3844) and HDD acronym corrected to avoid confusion in SRS v1.4	AMD 6

T.45	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 3079	Could you please confirm this is in clear weather conditions?	These are merit figures under ideal conditions.	CLOSED No Changes
T.46	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2067	Could you please confirm the term "Simultaneous operation"? Is a hotswap band kit acceptable?	Simultaneous means that no mechanical Feeder replacement is necessary to switch from X to Ka band and back (single common feed). Only one band will be used at a time.	CLOSED No Changes
T.47	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 3248	What kind of tools will be delivered with the MPC? Ie : Crane, lifts, computer systems etc...	At this point in time the MPC does not exist. For the sake of this project, the Customer will implement a temporary MPC . The details will be coordinated after MPC. The Customer will primarily use the Lifting Jacks Kit to load/unload shelters from the vehicles.	CLOSED No Changes
T.48	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1194	RL will be equipped with HCLOS and apparent intention is to have it linked to TN node (Looks from PRTTDCIS-1190). The question is : Does the RL need to support dual connection at the same time? (redundancy)	As per PRTTDCIS-1455, HCLOS is not included in RL Node. Should an HCLOS trailer be assigned from the pool to a RL, this node will be HCLOS enabled. Any Node shall support multiple connection to any Node over different bearer at any given time.	CLOSED No Changes
T.49	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1202	Could you please specify how many extra HCLOS link(min=2, max=?) could be added per node? Is PtP architecture ok?	Maximum 1 HCLOS trailer per Node.	CLOSED No Changes
T.50	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2392	Could you please confirm that the GAR-T HF traller node configuration is no longer part of the scope?	PRTTDCIS-2392 does not exist in SRS. GAR-T HF Trailer Node is still in scope.	CLOSED No Changes



T.51	Book II Part IV	SoW Annex A SRS PRTTDCIS-1440	Can the Purchaser please confirm the quantity of Wireless VoIP phones to be provided with the RAP and RL Nodes. PRTTDCIS-1440 states RAP qty 1 and RL qty 4 while Annex C states RAP qty 3 and RL qty 3.	The quantities of Wireless VOIP telephone has been amended in worksheets 'CLIN 2.2.1 - Batch 1', 'CLIN 7.3 - Batch 1' & 'CLIN 11.3 - Batch 3' within Book I, Annex C - SSS workbook to align with Book II, Part IV SOW, Annex A - SRS, PRTTDCIS-1440. Note also that TN now has 1 wireless VOIP per TN node; Book II, Part IV, SOW, Appendix A -SRS, PRTTDCIS-1440 amended accordingly.	AMD 6
T.52	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1239	How is it expected/intended to run the 3 levels of security at the PCA module? Also, please confirm there is no interconnection to the Nation module at xR level.	Each CCA contains its own encryption mechanism (commercial IPsec on xU and xR, High grade crypto on xS), PCA transports the encrypted traffic. Correct, no INM in xR. used without crypto device.	CLOSED No Changes
T.53	Book II Part IV	SoW Annex A SRS PRTTDCIS-2247	Can the Purchaser please clarify whether the maximum number of whip antennas is seven (to allow for all CNR and Broadband Radios in the RAP Node)?	Maximum quantity of CNR + Broadband Radio is 7, however, the maximum of whip antenna base remains 6.	CLOSED No Changes
T.54	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-3022	Please clarify if this specific configuration require CFE hardware, or only a specific configuration?	No additional PFE items foreseen, only configuration.	CLOSED No Changes
T.55	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-2684	Would you consider the option of softphone installed on the admin workstation instead of the VoIP Phone ? Or potentially use only one IP phone and 1 softphone?	No, 2 physical VoIP phones per security domain.	CLOSED No Changes



T.56	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1525	Could you please confirm that all security levels can transit on the same shared hardware comm means? If not can you please specify and list what is the expected demarcation for all the security levels over the shared hardware regarding the comm systems.	All CCA provides encrypted traffic to PCA connected to most bearers. Only CNR transports xR traffic. CNR is PRT Nationally accredited to transport xR traffic. See also reply T.53	CLOSED No Changes
T.57	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-3074	Could you please specify if there will be cases where an AN node is connected directly to a BCC node ?	See also reply T.48	CLOSED No Changes
T.58	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1526	Could you please elaborate, when you talk about gateways (PTT Iridium) are they stand alone? If not do you expect integration through the gateway? Is the Iridium subscription a PFE service? Can you clarify if there is no voice for the xS domain?	Gateways can be standalone (using the CNR RoIP integrator, for instance) or MMA integrated. Those which are project deliverables are design-driven. Gateways are indeed for external Voice services integration with TDCIS Voice internal services. Iridium subscription is PFE. These is Voice Gateway for xS.	CLOSED No Changes
T.59	Book I & Book II	SOW Annex A SRS v1.0 PRTTDCIS-1435	Could you please specify how many ports per gateway is required?	Ports quantities are design driven. Table lists the quantities of concurrent connections that must be supported. For instance, PSTN Gateway in AN has to be able to connect to 4 lines (4 concurrent calls) at the same time. Those which are marked as "Enabled" are to be considered as single.	CLOSED No Changes
T.60	Book I Annex C	SOW Annex A SRS v1.0 PRTTDCIS-2244	Could you please elaborate on the following, since this is a handheld device not a gateway, can you explain what is your integration requirement?	Integration though use of a docking station. See also reply T.1	CLOSED No Changes



T.61	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1810	Could you please elaborate on the expected contents of the UAM (Medium)? Is it simply a Break out box in a transit case with a POE Switch approach?	Details on UAM are in section 4.7 of SRS v1.4 Implementation is design-driven.	AMD 6
T.62	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-2158	Could you please specify the connector types, number of cores or conductors, length, fiber type OS2, OM4...etc	Details on Cable Reels are in section 6.2.6.1 and 6.2.6.2 of SRS version v1.4. Cable reels shall be compatible with connectors on associated termination panels on applicable housing elements (such as in section 6.2.4 of SRS v1.4 for Shelter). All other details are design-drive and the bidder's responsibility to propose a solution.	AMD 6
T.63	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-2679	Could you please provide the part numbers or datasheets for all the mentioned equipment?	All necessary details on PFE are in the SRS. Details on PFE will be shared with Contractor after Contract Award.	CLOSED No Changes
T.64	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1502	Can you please confirm that the umbilical harnesses is based on 2 separate links (Ux+RX and Sx)? Hence instead of 4x250m, we should probablt expect 2x4x250m?	This is correct.	CLOSED No Changes

T.65	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1504	How many ptp on HCLOS version, (ie : min=2). Can you confirm that the HF version doesn't require HCLOS capability?	Correct, HF version does not require HCLOS. Details on Trailers are to be found in section 6.3 of SRS v1.4	AMD 6
T.66	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1505	Could you please give us the CIS component list in order to plan size/design of transit cases?	Transit cases content is design-driven.	CLOSED No Changes
T.67	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-3006	Could you please specify connector types, fiber types, number of cores?	See reply T.62.	CLOSED No Changes
T.68	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1748	Is N+1 redundancy acceptable for the CAS module in certain specific nodes? If not, is 1:1 is expected through out the whole solution and at every node? (1:1 means doubling all appliances, moreover, in certain cases for 3 levels of security)	As per PRTTDCIS-1749: N+1 redundancy in every CAS instance of any Node.	CLOSED No Changes
T.69	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-2622	Can you please clarify if the PFE CNR mounted in the shelter is considered the required service within 15 minutes? Broadband as well?	Correct, it is for the Voice service provided by PFE CNR on xR, while using the radio handset, not the integrated VoIP service on xR. Broadband IP radio is a PCN carrier (not xR), it is not meant to provide Voice service.	CLOSED No Changes
T.70	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1520	Bearer services are the critical element in the solution. When it comes to any type of communication system, none can guarantee to meet a 100% availability. This is usually due to external factors especially environmental ones. Is it expected to consider ideal/clear weather conditions for the 100% availability of services evaluation?	As stated in Figure 18, this level of Transmission Service availability is to be assumed by the potential bidders for design purposes only , in their computation while designing the solution for the higher level availability targets required for PCA, CCA & MMA. Potential bidders will not be held responsible or accountable for real-world Transmission Service availability achieved	CLOSED No Changes

T.71	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1519	Could you please confirm that the intent here is for PFE not to be considered in the availability overall? le : If a PFE in the design bears a service and at one point and it fails, this will not be considered an issue or faillure to meet requirement?	Correct	CLOSED No Changes
T.72	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2786	Could you please confirm that these services are expected to be available for all 3 security levels? or only the Ux Level?	PRTTDCIS-2786 relates to the CNM lite NS which is only used in the NS Kit. Statement does not refer to any service. This element is 100% NS, no relationship with xU.	CLOSED No Changes
T.73	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2880	Could you please confirm the largest community per security domain excluding system Admins is 34 users total as per the AN in PRTTDCIS-1431? If not please specify the exact number you are looking for.	See AMD 4 T.44	CLOSED No Changes
T.74	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2904	Could you please confirm that the Archiving media storage is included in the DRS? If not, what is the archiving media: DVD-RAM, Tape, Mobile drive?	Should the Customer decide to use the archiving functionality of the Collaborative Portal Tool, it will use external media. The media type will only be defined when the functionality will be decided to be used and will be external to the ISM (e.g. USB DVD burn drive, USB mobile drive...)	CLOSED No Changes
T.75	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2896	Could you please clarify if this service is available for the 3 security levels or only for the Ux level?	All Business Support Services shall be available in any ISM of any node and in any Security Domain of PRT TDCIS (inc. NS Kit)	CLOSED No Changes
T.76	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2897	Could you please clarify if this service is available for the 3 security levels or only for the Ux level?	See reply T.75.	CLOSED No Changes

T.77	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2898	Could you please clarify if this service is available for the 3 security levels or only for the Ux level?	See reply T.75.	CLOSED No Changes
T.78	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2943	Could you please confirm if the border protection elements are defined as a firewall solution?	BPS details (functional, non-functional and constraints) are covered in the CNM section (section 4.2 of SRS v1.4)	AMD 6
T.79	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2944	Could you please provide list and details of the PFE tools?	PRTTDCIS-3220 states that all PFE detailed specifications will be shared after Contract Award.	CLOSED No Changes
T.80	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 3093	Could you confirm that providing one spectrum analyzer per node would be satisfactory considering than most RF systems have the ability to detect simple TX or RX failures internally?	Spectrum analyzer quantities are design-drive and the bidder's responsibility to propose a solution which meets PRTTDCIS-3093 which includes the live monitoring of all RF bearers present in the node. Nothing prevents to have Separate hand-portable spectrum analyzer(s) for troubleshooting the different RF bearers.	CLOSED No Changes
T.81	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1532	Could you please clarify if SBC is used to connected 2 differents security levels (Ux and Sx)? or to be a demarcation point between Internal communication and external communication with the same Security level? Could you please specify a list with ports number and types(ie : 4x E1, 2 Fxs, 5 Fxo..) for your gateways, also classify those per type of node?	SBC is used as a demarcation point between 2 networks of the same security level. MMA Interfaces specifications are quantities are to be found in PRTTDCIS-3051 and PRTTDCIS-1629	CLOSED No Changes
T.82	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1244	Could you please specify what/who provides the NTP time source?	See PRTTDCIS-1157 and reply in AMD 5 T.19.	CLOSED No Changes



T.83	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1593	Could you please specify if it expected for a PSTN line cable be used at the same time for Ux user and Rx user? Could you please comment on the same question for IMT?	As per PRTTDCIS-1239 and PRTTDCIS-1629 (amended under SRS v1.4): Only MMA-xU shall provide gateway for PSTN line and IMT voice integration. MMA-xR shall only integrate with CNR Voice. No Voice Gateway on MMA-xS	AMD 6
T.84	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1262	Could you please confirm that this refers to ID#4 from table 23? Or is it a separate unit to consider?	Correct.	CLOSED No Changes
T.85	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1264	Could you please provide the part number or connection information ?	PRTTDCIS-3220 states that all PFE detailed specifications will be shared after Contract Award.	CLOSED No Changes
T.86	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1256	Could you please confirm that you require Ux users to be able to dial through Iridium PPT using their VOIP phone? How many extensions do you require? We would provide the gateway but without sim card and voice plan unless specified otherwise.	Correct, only 1 extension. Terminal, ancillaries and SIM card are PFE.	CLOSED No Changes
T.87	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2788	Could you please state the required autonomy? Is it 20 minutes? Graceful period shutdown included?	See reply to AMD 5 T.23	CLOSED No Changes
T.88	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1767	Could you please specify how many rack units do you need? Are they SwaP type servers?	See PRTTDCIS-2121 Server form factors are not defined yet as these are for potential future expansion.	CLOSED No Changes
T.89	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2866	Could you please confirm in this instance you accept HDD's and not just SSD's.	See reply T.44.	CLOSED No Changes



T.91	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1787	Could you please state the required autonomy? Is it 20 minutes? Graceful period shutdown?	See reply AMD 5 T.23.	CLOSED No Changes
T.92	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-3232	Could you please confirm, if the required power is too high for the HCLOS can we use separate connections for power?	No, Datalink ODU remains PoE power supplied.	CLOSED No Changes
T.93	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-3064	Could you please specify, is this applicable to Mini LOS or only HCLOS?	Both.	CLOSED No Changes
T.94	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-2047	Could you please confirm that the end user is purchasing the plan and sim and the contractor is providing the terminal?	Correct.	CLOSED No Changes
T.95	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-2175	Could you please confirm that a "Start and Stop" control is sufficient?	Start and stop as control shall be the minimum. Other parameters shall be remotely monitored and alarmed such as fuel level, tension actual value, load per phase, frequency etc.	CLOSED No Changes
T.96	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-3326	Could you please consider if it is acceptable to change that requirement to "20 kg (44 lb) to Lift an object from the floor and place it on a surface not greater than 91 cm (3.0 ft) above the floor" as per MIL-HDBK-1472 rev G table TABLE XXXVIII. Maximum design weight limits? A lot of equipment are made to that standard and not allowing this would limit choices.	The requirement of maximum 16.8 kilograms (37 pounds) per person shall be met because the equipment is expected to be loaded on various Military vehicles where loading deck, for most of them, is located higher than 91 cm (3.0 ft) above floor /ground level.	CLOSED No Changes

T.97	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 3085	In order to achieve 40km distance links for the Mini-LOS , it is assumed that the node acheiving these distances will be deployed on an elevated terrain. Presently, Two nodes that are equipped with a 10.5 meter mast would not permit such distances without appropriate terrain conditions (Curvature of the earth and flat terrain limtits Line of Sight). If the node is not taking advantage of the terrain to heighten the devices, a minimum height of 23.5 meters would be required for the masts. Can you please confirm what is to be assumed for this requirement?	Assumption is correct, these are merit figures under ideal conditions	CLOSED No Changes
T.98	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 3079	In order to achieve 50km distance links for the HCLOS , it is assumed that the node acheiving these distances will be deployed on an elevated terrain. Presently, Two nodes that are equipped with a 10.5 meter mast would not permit such distances without appropriate terrain conditions (Curvature of the earth and flat terrain limtits Line of Sight). If the node is not taking advantage of terrain to heighten the devices, a minimum height of 37 meters would be required for the masts. Can you please confirm what is to be assumed for this requirement?	Assumption is correct, these are merit figures under ideal conditions	CLOSED No Changes
T.99	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1659	Please Confirm "xS" is indeed a typo on the BPS in figure 51	Correct, typo corrected in SRS v1.4.	AMD 6
T.100	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1659 PRTTDCIS- 3240 PRTTDCIS- 3241	Could you please confirm that the required hardware for each security level must be seperate appliances. Ie : we could not use a firewall for multiple security domains even if the routing and ports are logically segregated.	Correct, different security domains cannot share common hardware (PRTTDCIS-1156).	CLOSED No Changes



T.101	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1635	For the firewalls, the MALWARE licenses will require a constant and active online access to the "wild internet" in order for them to sync up with current threat signatures on the appliance providers database. If the intent of the system (or part of the system) is to be an completely air gapped network, the MALWARE licences would not be able to synchronized and hence be wasted. Is their an intent from the client to have access to the "wild internet" on the xU, xR and xS BPS Subsystem? If no to any of the latter, would the client consider removing the need for MALWARE licences or be open to other potential solutions?	Constant access to dirty internet cannot be guaranteed and is impossible for xS. Malware definition in firewalls shall be possible via standalone file.	CLOSED No Changes
T.102	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1434	Could you please confirm that the Broadband IP Radio is expected to be a single radio setup and not a double radio setup? Ie : Will they require cosite filters? If yes, at all the required nodes?	Correct, Broadband IP radio is a single instance per node equipped with it.	CLOSED No Changes
T.103	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 2679	Could you please provide the Material datasheets / ICD for the CNR 150W Antena Tuning Unit and also the Material datasheets / ICD for the HF Antenna(s) used with the PFE system.	PRTTDCIS-3220 states that all PFE detailed specifications will be shared after Contract Award.	CLOSED No Changes
T.104	Book I AMD 3	Section 4.4.9.1	In this statement you mention that the SAA will be made available after contract award. How is it expected for the contractor to understand the technical implications and costing of this activity without full visibility on the required work to meet certificaiton. Could you please consider sharing this document in advance for clarity?	Refer to AMD 5 T.5.	CLOSED No Changes
T.105	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS- 1382	Could you please clarify the following intent : The floor plan measurement of 10ft contradicts the requirement PRTTDCIS-3144 that calls out compliance to: 6516/SHCPE/86-88.	The intention is that 6516/SHCPE/86-88 is used for the construction method and performances of the shelter, while its dimensions are ISO 10ft (see amendment of PRTTDCIS-2112 since SRS v1.2)	CLOSED No Changes



T.106	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1378	Could you please clarify on the followin conflict? Requirement for fork lift bags does not correspond to NATO spec. 6516 (see PRTTDCIS-3144)	Not sure what the bidder means with "Forklift bags" Should it refer to "holes" dedicated to insert forklift blades which can be found at the bottom of some ISO containers, Purchaser confirms this is a requirement.	CLOSED No Changes
T.107	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-2112	Could you please specify about the "Sandwich structure"? In accordance with ISO 1496 it cannot be identified as a requirement, please provide a specification.	See amendment 4 of PRTTDCIS-2112.	CLOSED No Changes
T.108	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-3137	Is a stainless steel covering permitted?	The SRS formulates several requirements for floor surface hat shall be met (including PRTTDCIS-3142 stating that floor has to be anti-static and ESD). Therefore, stainless steel covering is not acceptable.	CLOSED No Changes
T.109	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-3138	Is a stainless steel covering permitted?	See response T.108	CLOSED No Changes
T.110	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-3144	Could you please clarify which entity / institution should carry out the certification? Which characteristics should be certified?	Purchaser has no preference in certification authority as long as compliancy to the standard is validated based on test cases and methods to be approved in the test plan.	CLOSED No Changes
T.111	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-2675	Could you please specify what is the intent when you mention "directly connected to the CNM"? Contractor assumes that the UAM Break out box will probably be routed to a nearby Command Post. Hence, we expect the UAM Breakout box will be physically connected to the Shelter via a port pannel and not directly to the CNM within the shelter (Unless it is CNM lite in transit case and CNM lite is in the command post)?.	CNM connectivity happens in rack, between rack and is extended to the ECP termination Panel .Access BoB shall be connected to the CNM via the ECP Termination Panel. Directly means that no active components are expected between the Access BoB and the Core switching function of the CNM.	CLOSED No Changes



T.112	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-2247	Could you please confirm if there is 6 mounting whip antenna points or only 4 as stated in PRTTDCIS-2250?	NCIA confirms 6 mountings. PRTTDCIS-2250 was amended in AMD 4.	CLOSED No Changes
T.113	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-2680	Here you mention Integration in the nodes of a IP HR Log-Periodic Antenna. Knowing these antennas can be extremely large/heavy, do you have the intent to mount this antenna to the Shelter or Trailer? If so, could you please provide us with the Datasheet of the PFE antenna?	Antenna comes in kit. Elements are assembled when deployed. The antenna will not be transported assembled in the shelter. Log Per antenna is a RLP10-30 from ALARIS ANTENNAS (RA10-118-01) and will be used on any Mast in combination with the IP HF Radio. PRTTDCIS-3220 states that all PFE detailed specifications will be shared after Contract Award.	CLOSED No Changes No Changes
T.114	Book II Part IV	SOW Annex A SRS v1.0 PRTTDCIS-1818	Could you kindly provide the exhaustive list of Model/PN and include the datasheet for each EUD PFE item so we can calculate space for storage compartments?	PRTTDCIS-1818 only focus on project deliverables EUDs meaning SysAdmin laptops, phones... PFE EUD (while being design-driven, see reply to AMD 5 T.36 for instance) are not to be stored in the Shelter for storage nor transportation.	CLOSED No Changes
T.115	Book II Part IV	SoW Annex A SRS PRTDCIS 1387 PRTTDCIS-245	The space claim for the four (4) racks will limit the ability to integrate a UPS & PGU into the shelter. Is the concept to have the generator mounted on the truck chassis separate from the shelter? SRS states "electrical system by a shelter internal Power Generator Unit (PGU)" How about the UPS and where it will be integrated?	PRTTDCIS-1387 and PTRTDCIS-245 are not to be found in SRS v1.3 No, PGU has to be integrated in the Shelter (PRTTDCIS-2167 and PRTTDCIS-2173) UPS has to be integrated in the Shelter (PRTTDCIS-2177). How this will be achieved (global UPS for the Shelter, per Rack UPS, any other solution...) is design-driven	CLOSED No Changes
T.116	Book II Part IV	SoW Annex A SRS PRTTDCIS-1380 PRTTDCIS-2112	The shelter requirement is referencing a 8 Ft high, 10 Ft shelter, IAW ASTM 1925 requirements, panels constructed as "sandwich structure" IAW ISO 1496 The ASTM 1925 is common for sandwich panel constructed shelters, the ISO 1496 is based on steel containers. Can you clarify which design standard takes precedence?	All ISO standards mentioned in the SRS are meant to define the ISO 10ft dimensions and structural performance for the shelter to be multimodal transportable (ship, truck, train, plane... including civilian transport companies) using only ISO corners and standardized containers dimensions. ASTM E1925 and 6516/SHCPE/86-88 are mentioned for all other shelter construction methods (sandwich panel amongst others) and performance (EMI shielding,...).	CLOSED No Changes



T.117	-	-	Are contractors allowed to operate and perform as the Project/Program Management Office (PMO)?	Bidders are expected to form, run and manage a Project Management Office for the duration of the project. This will be an interface with the Purchaser.	CLOSED No Changes
T.118	Book II Part IV	SoW Annex A SRS PRTTDCIS-3537	Can you clarify and confirm that the jacks must be compatible with containers of different heights like 8 feet, 8 feet and 6 inches and 9 feet? This is a very specific jack difficult to obtain.	Yes, lifting jack has to be compatible with all container heights.	CLOSED No Changes
T.119	Book II Part IV	SoW Annex A SRS PRTTDCIS-1376	Is ther any specification regarding the end vehicles of which you can provide?	See reply to AMD 5 T.56.	CLOSED No Changes
T.120	Book II Part IV	SoW Annex A SRS PRTTDCIS-1365	Regarding the trailers, on SRS (PRTTDCIS 1365) the table identifies 1 GAR-T Trailer – Rear Link HF- Variant, but on the BIDDING SHEETS, we cannot find this Trailer HF variant, just 2 trailer HCLOS variants (trailer only and Rear link support). Should it perhaps be a GAR-T HF Relay (Rear link Support) instead of GAR-T HCLOS Relay (Rear Link Support)? Or perhaps there are three different trailer types? Please clarify.	Annex C – Bidding Sheets under Book I is amended to reflect correctly, the relationship between trailers and the GAR-T HC-LOS relay and Rear Link nodes. This amendment impacts worksheets 'CLIN 2.2.1 - Batch 1', CLIN 7.3 - Batch 2' & CLIN 11.3 - Batch 3'. Amended text is shown in RED.	AMD 6
T.121	Book II Part IV	SOW Annex A SRS PRTTDCIS-1681	"...Software defined compute implementation is specified is specified in detail in DCIS CA Annex B." Could we please obtain the mentionned DCIS CA Annex B document	Document will be made available to bidders in this Amendment 6.	AMD 6
T.122	Book II Part IV	SOW Annex A SRS PRTTDCIS-1749	Considering the measures below, any single hardware failure shall not degrade the capacity and performance specified for the CAS and HDS subsystems. To that end, each ISM instance shall implement the following resilience measures:	In the scenario described by the bidding candidate, this is correct. If N servers are required to meet the performance targets(CPU, RAM, Storage...), then N+1 servers have to be provided in order to still meet the performance target, even if a single unit (server) fails.	CLOSED No Changes



			<p>1) N+1 redundancy for all compute, storage and networking components; and, 2) Dual independent power supplies available to each active component; and, 3) Dual independent connections to the mains power; and, 4) Distributing storage data blocks across: 5) Physical storage devices; and, 6) Physical compute nodes within the VM-cluster.</p> <hr/> <hr/> <p>A VM-cluster is typically comprised of 3 physical hosts</p> <p>In a scenario where we procure 3 physical hosts with dual 20 cores CPUs in a VM-cluster, if we lose one physical server, do we still have to maintain 120 cores for performance? (That would mean building the cluster with 4 physical hosts)</p>		
T.123	Book II Part IV	SOW Annex A SRS PRTTDCIS-1740	<p>The DRS shall implement the interfaces as per Annex I of the DCIS CA and Annex J of the DCIS CA, logically aggregated to minimize the amount of physical connections with the ISM.</p> <p>Can we obtain the mentioned DCIS CA Annex I and J document</p>	Documents will be made available to bidders in this Amendment 6.	AMD 6
T.124	Book II Part IV	SoW Annex A SRS Section 5.3-5.4	<p>Could you please state if there are there any requirements ref. requested the static and or max. tolerances and max. deflection of the base structure to be taken into account?</p>	<p>The question is not clear enough for the purchaser to clearly understand what exactly need to be clarified. Please define exactly what you mean by "base structure" If this refers to the Pointing accuracy and the the auto-tracking system performance, this is not applicable to the Commercial SATCOM Terminal (section 5.3 of SRS v1.3). With a better understanding the "base structure" we could see</p>	CLOSED No Changes

				how this applies to the Military SATCOM terminal (section 5.4 of SRS v1.3)	
T.125	Book II Part IV	SoW Annex A SRS PRTTDCIS-1381	Could you please elaborate on the following : Does this standard refer exclusively to the dimensions of ISO 1161? To our knowledge, the strength cannot be met with ISO corners made of aluminium (lightweight construction).	See reply T.117.	CLOSED No Changes
T.126	Book II Part IV	SoW Annex A SRS PRTTDCIS-2395	Could you please specify if this is there a requirement for NBC? Overpressure is only possible with an additional ventilation system, otherwise PRTTDCIS-2208 = Recirculation (i.e. blocking air from outside) cannot be fulfilled	There are no NBC nor CBRN requirement. Yet, recirculation remains required	CLOSED No Changes
T.127	Book II Part IV	SoW Annex A SRS PRTTDCIS-2165	Could you please specify what is to be understood as "general purpose equipment and accessories"? What is the size expectation by the client for this storage compartment?	There is no specific size expectation for this 'compartment'. This is intended for the stowage of office stationary supplies/sundries/consumables.	CLOSED No Changes
T.128	Book II Part IV	SoW Annex A SRS PRTTDCIS-3535	Could you please specify to us what is considered to be "not correct"? Considering the operators are trained (As per PRTTDCIS-3539), we would like to know specifically what types of user errors the client wants to prevent so we can design the proper solution to fulfill this requirement.	Even if staff is trained to operate the lifting jacks, the kit should embed safety mechanisms avoiding user errors where and when possible. User error prevention should not only be left to training and procedures. As the safety measures are depending of the design of the lifting jacks, the following example is for illustration purpose only and is not limited: The lifting jack kit should not be possible of being operated if not all 4 legs are attached to the shelter; The lifting jack kit should not be possible to be operated if there is a risk of damaging the container structure such as the leg punching or bending an ISO structural beam...	CLOSED No Changes



T.129	Book II Part IV	SoW Annex A SRS PRTTDCIS- 3539	Due to safety reasons, adequate handling equipment for the Jack is needed. Weight of jack is approx. 140 kg	It is assumed the demander is enquiring of the jack's weight. If so, it is for the bidder to identify the jack to be used and therefore will have access to this information from the jack's supplier.	CLOSED No Changes
T.130	Book II Part IV	SoW Annex A SRS PRTTDCIS- 3543	Please specify the meaning of "all transport constraints"? We assume you meant TN-1078 requirements?	The requirement for transport cases that shall be provided under this project is formulated in the SRS, sections 6 and 6.4.3. Those requirements shall be met by all transport cases including the ones provided for Lifting Jacks Kit. Additionally, the Lifting Jacks Kit with its transport cases shall meet requirements as specified in Section 1.4.1 Environmental Endurance. At the exception of those being overwritten by specific statements in section 6.2.7 relative to the Lifting Jacks.	CLOSED No Changes

* Status: Is Amendment to RFQ required as a direct result of the Clarification Request?



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Acquisition Directorate

Boulevard Léopold III
B-1110 Brussels, Belgium

NCIA/ACQ/2021/07281
28 September 2021

To : All Nominated Prospective Bidders
Subject : **Responses to Clarification Requests to Request For Quotation (RFQ)–
RFQ-CO-115363-PRT-TDCIS, Amendment 6**

**The Provision of Tactical Deployable Communications and Information
Systems (TDCIS) for the Portuguese Army**

Reference(s) : A. AC/4-D(2019)0004(INV)
B. NCIA/ACQ/2021/06476 NOI RFQ-CO-115363-PRT-TDCIS dated 18
Jan 2021
C. NCIA/ACQ/2021/06775 NOI RFQ-CO-115363-PRT-TDCIS,
Amendment 1 dated 9 Apr 2021
D. NCIA/ACQ/2021/68940 RFQ-CO-115363-PRT-TDCIS, dated 2 Jun
2021
E. NCIA/ACQ/2021/06983 RFQ-CO-115363-PRT-TDCIS, Amendment 1
dated 15 June 2021
F. NCIA/ACQ/2021/07015 RFQ-CO-115363-PRT-TDCIS, Amendment 2
dated 25 June 2021
G. NCIA/ACQ/2021/07065 RFQ-CO-115363-PRT-TDCIS, Amendment 3
dated 14 July 2021
H. NCIA/ACQ/2021/07140 RFQ-CO-115363-PRT-TDCIS, Amendment 4
dated 6 August 2021
I. NCIA/ACQ/2021/07259 RFQ-CO-115363-PRT-TDCIS, Amendment 5
dated 17 September 2021

Dear Madam/Sir,

1. The purpose of this Amendment 6 to RFQ-CO-115363-PRT-TDCIS is to publish the responses to the Clarification Requests (CRs) received for the subject Request For Quotation (RFQ). The Purchaser's responses to the CRs are issued as Annex A to this letter.
2. As a direct or indirect result of these CRs, the following documents have been amended and are re-issued in its entirety. Prospective Bidders are strongly advised to carefully review the revised documents. The changes within the bidding documents are denoted in "red" font for ease of traceability.



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- A. RFQ-CO-115363-PRT-TDCIS Book I Bidding Instructions. Annex C Bidding Sheets revises the subsections for tabs clarifying the use of trailers to reflect correctly the relationship between trailers and the GAR-T HC-LOS relay and Rear Link nodes. This amendment impacts worksheets 'CLIN 2.2.1 - Batch 1', CLIN 7.3 - Batch 2' & CLIN 11.3 - Batch 3'.
- B. RFQ-CO-115363-PRT-TDCIS Book II Prospective Contract Part IV Statement of Work and Annex A, SRS.
3. By virtue of this Amendment 6, 2A and 2B above replaces and supersedes any previous version issued in the context of RFQ-CO-115363-PRT-TDCIS.
4. All other RFQ documents remain unchanged from their original version as issued on 2 June 2021 and subsequent amendments issued.
5. The Bid Closing Date has not changed and remains at 29 October 2021 at 13:00 Hrs Local Brussels Time.
6. The overall security classification of this RFQ is «NATO UNCLASSIFIED».
7. This RFQ and any Amendment thereto remains the property of the NCI Agency and shall be protected in accordance with the applicable national security regulations.
8. This RFQ does not constitute either a financial or contractual commitment at this stage.
9. Prospective Bidders are advised that the NCI Agency reserves the right to cancel, withdraw, or suspend this RFQ at any time in its entirety and bears no liability for bid preparation costs incurred by firms or any other collateral costs if bid cancellation, withdrawal, or suspension occurs.
10. Please send all questions concerning this RFQ to the undersigned at:

Eva Benson, Contracting Officer

E-mail: RFQ-CO-115363-PRT-TDCIS@ncia.nato.int

For the Director of Acquisition



Eva Benson
Contracting Officer

Enclosure:

Annex A: Clarification Requests Answers, Amendment 6

Annex B: RFQ-CO-115363-PRT-TDCIS Book I Bidding Instructions, Annex C Bidding Sheets

Annex C: RFQ-CO-115363-PRT-TDCIS Book II Prospective Contract in its entirety



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