NATO Communications and Information Agency **NCI**

NCIA/ACQ/2023/06763
April 4, 2023

To: Bidders List and Distribution List

Subject: Invitation For Bid IFB-CO-115498-TOPFAS-BMD **Amendment 6**

TOPFAS Ballistic Missile Defence (BMD) Increments 1&2

References: A.   AC/4-D/2261(1996 Edition), Procedures for International Competitive Bidding

B.   AC/4-D(2008)0002-REV2, International Competitive Bidding Using Best Value Evaluation Methodology, dated 15 July 2015

C.   NCI Agency NOI NCIA/ACQ/2022/07167, dated 11 October 2022

D.   NCI Agency IFB-CO-115498-TOPFAS-BMD; NCIA/ACQ/2022/07297 dated 14 December 2022

E.   NCI Agency IFB-CO-115498-TOPFAS-BMD Amendment 1, NCIA/ACQ/2023/06521 dated 25 January 2023

F.   NCI Agency IFB-CO-115498-TOPFAS-BMD Amendment 2, NCIA/ACQ/2023/06569 dated 10 February 2023

G.   NCI Agency IFB-CO-115498-TOPFAS-BMD Amendment 3, NCIA/ACQ/2023/06603 dated 17 February 2023

H.   NCI Agency IFB-CO-115498-TOPFAS-BMD Amendment 4, NCIA/ACQ/2023/06634 dated 07 March 2023

I.   NCI Agency IFB-CO-115498-TOPFAS-BMD Amendment 5, NCIA/ACQ/2023/06703 dated 20 March 2023

Dear Prospective Bidders,

1. The purpose of this Amendment 6 is to:

   a.   Issue the Purchaser responses to all Requests for Clarifications received to date.

2. NCI Agency responses to Bidders' questions received by 3 April 2023 are hereby published with this IFB Amendment 6 as Attachment 1. Previous responses to Clarification Requests have been greyed out for your convenience.

3. Any future Requests for Clarification (RfC) are limited to questions that are in response to answers by the Purchaser to existing Bidder RfC. Such additional requests shall arrive not later than fourteen (14) calendar days before the established Bid Closing Date, which is confirmed to be set to 21 April 2023. Any clarifications received after that date will be

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answered at the discretion of NCI Agency. Additional RfC may be responded to, however they will not extend the Bid Closing Date. This decision shall not be a subject for dispute.

4. Prospective Bidders are advised that the NCI Agency reserves the right to cancel this IFB 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 occurs.

5. This IFB remains the property of the NCI Agency and shall be protected in accordance with the applicable national security regulations.

6. The NCI Agency point of contact for all information concerning this IFB is Ms. Sara G.C. Stephens, Senior Contracting Officer, who may be reached at CO115498TOPFASBMD@ncia.nato.int.

For the Chief of Acquisition:

Sara Stephens
Digitally signed by Sara Stephens
Date: 2023.04.04 10:52:30 +02'00'

Sara G.C. STEPHENS
Senior Contracting Officer

Attachment:

1) **Responses to Clarification Requests, Release Number 6**

Distribution List for IFB-CO-115498-TOPFAS-BMD Amendment 6

All Prospective Bidders

NATO Delegation (Attn: Investment Adviser):
- Albania
- Belgium
- Bulgaria
- Canada
- Croatia
- Czech Republic
- Denmark
- Estonia
- France
- Germany
- Greece
- Hungary
- Iceland
- Italy
- Latvia
- Lithuania
- Luxembourg
- Montenegro
- The Netherlands
- North Macedonia
- Norway
- Poland
- Portugal
- Romania
- Slovakia
- Slovenia
- Spain
- Turkey
- United Kingdom
- United States

NATO HQ
- NATO Office of Resources (NOR)
  - CIS and Cyber Capabilities Branch (CCC) Branch Head
  - NOR Secretariat Section (RPPB, IC, BC)

Strategic Commands

- SHAPE SDP J5 PLS, OF-5 Luc MEES
- SACT CAPDEV CAP OC2, OF-4 Stefan Meyer

ACO Liaison Office
All NATEXs
Embassies

Attachment 1: Responses to Clarification Requests, Release Number 6

NCIA Index	IFB Ref.	Bidder's Question	NCI Agency Answer
CR1	SRS	We kindly request a clarification; whether or not Purchaser will provide referenced items in bidding period, listed in Table1-1. TOPFAS BMD ARS for instance.	The referenced documents in the SOW and SRS, except for referenced ISO/IEEE standards, will be provided on digital media that will be send to all bidders separately.
CR2	SRS	Typo... "...Collaboration Space tools (Task Planner, Video, Business Intelligence, Assessment, Documents (including WebDAV support), Calendar, Wiki, Collaboration Space." Missing closing brackets lead confusion.	The paragraph [009] should state: "(b) TOPFAS Online - server-hosted or web apps: web apps of SAT, OPT, CAT and OMT, TOPFAS eFGMT (Enhanced Force Generation Management Tool), TOPFAS RRT (Readiness Reporting Tool), TOPFAS RFI (Request For Information), TOPFAS NCRS (NATO Crisis Response System), TOPFAS TEM (Training and Exercise Management), TOPFAS Help Centre, TOPFAS Collaboration Apps and Services (Task Planner, Video, Business Intelligence, Assessment, Documents with WebDAV support, Calendar, Wiki, Collaboration Space)."
CR3	SOW	We kindly request a clarification; whether or not the DOORS will be Requirements Management Tool. If Yes, will the Purchaser provide access to the DOORs modules of TOPFAS artefacts(ARS, SOW, SRS, ...etc). Related to this question please clarify whether the Purchaser provide DOORS licences as Purchaser furnished item.	DOORS is not a mandated tool for Requirements Management. The only requirement regarding DOORS is defined in [SOW-611] and is about DRTM to DOORS import capability. Purchaser Furnished Property and Services are listed in SOW Section 2.1.
CR4	SOW	We kindly request a clarification; if there is any specified date or schedule for delivery of Interface Control Documents(ICDs) for external interfaces.	Most of the external capabilities to interface with are under development and all interfaces are expected to evolve. Exact timelines of availability of the ICDs is not known at this stage. The ICDs that are provided as part of the bidding phase are either current legacy, draft or initial future versions. These ICDs are provided only to support assessing the scope and complexity of the interfaces required. The intent is to be interoperable with the latest ICD of each external capability as long as the ICD is available a minimum of 12 months prior to a planned baseline delivery of TOPFAS.
CR5	Bidding Instructions	We kindly request a clarification; whether or not Purchaser will provide COTS tools regarding project management, software development, IPS... etc. or Contractor will procure/use his own tools?	Purchaser furnished properties and services are described in SOW Sections 2.1. Contractor responsibilities and requirements regarding Third-Party Software and Components are described in SOW Section 3.7. Furthermore, requirements regarding NSF are described in SOW Section 3.6.
CR6	SOW	We kindly request a clarification about "**Initial DRTM**" and DRTM: "Bidding Instruction, Par. 4.5.3.3" states the format and content of "Initial DRTM" and this section also refer to "SOW 6.10", which define the DRTM specification in detail. DRTM is going to be deliverd during the project execution period but "Initial DRTM" is going to be delivered with Bid Package. Question is, what will be the defference between "Initial DRTM" and DRTM? We assume the format and structure will be the same, but the content will be finalised during the project phase. Second question is will the Purchaser provide Initial / DRTM template to the Bidders during the Bidding period or will the Contractor be expected to prepare his own Initial and final DRTM format according the requirements?	Initial DRTM requirements (format and initial content) are described in Bidding Instructions (4.5.3.3). Purchaser will provide SRS matrix (Annex A) in Excel format as an input to the Initial DRTM. Remaining DRTM requirements are described in SOW (Section 6.10).

CR7	SRS	We kindly request a clarification; whether or not Purchaser will provide "Deliverables" list?	Purchaser will not provide a Deliverables list.
CR8	SRS	Can you please give some example "use case scenarios" for TOPFAS application suit	High level description of TOPFAS use cases is provided in SOW Annex B. More details were provided during Bidders Conference (See presentations session #9, #10 and #18).
CR9	Bidding Instructions	Which level of traceability is required during the IFB Phase? For instance SRS - to - E	Initial DRTM requirements (format and initial content) are described in Bidding Instructions (4.5.3.3).
CR10	Bidding Instructions	Is there a specific checklist for administrative evaluation (pass/fail)?	The check list used during the bid opening is not shared as part of the solicitation package but it verifies that the bidder has scrupulously followed the administrative requirements without taking any exception. Check list includes time of receipt of the bids, english language used, duly signed certificates provided, bid guarantee terms, etc
CR11	Bidding Instructions	Do you require traceability matrix from "IFB requirements" to " Bid Package" for successful Bidding Package?	The requirements for Bid Package are defined in Book 1 - Bidding Instructions. The SRS matrix wil be provided in MS Excel format to ease the preparation of the initial DRTM.
CR12	Bidding Instructions	Does the existing template and definition of approach to BMD Scope Imp. Monitoring is enough for Bidding Phase? According to the SOW requirements, it is understood that all the value items, Value Points, etc....shall be defined during the Bidding Phase. Your presentation states that they will be defined in " Initiation Phase". Please clarify.	The BMD Scope Implementation Monitoring (BSIM) approach is described in detail in SOW Section 3.9.9. The Progress Measurement Baseline (PMB) consists of value items (VI) (with associated value points) allocated over time to sprints. The PMB shall be baselined prior to the start of the first sprint. Specifically, [SOW-108] states "The Contractor shall agree with the Purchaser on the PMB for each work package prior to execution of the first iterative development cycle (first sprint) of the respective work package." Furthermore, in accordance with the exit-criteria for the initation phase (SOW 4.2.4, [SOW-178].9) the PMB shall be established during this phase.
CR13	SOW	Do you foresee number of "increments/releases" for "Iterative Development Phase", or do you expect the Contractor will/shall propose it with his Bid?	In accordance with the iterative development approach and the continuous integration/continuous deployment, the release process shall be continuous. There shall be as many as needed releases to support the BMD activities as well other verification and validation events. Following PSA of Work Package 1, there shall also be maintenance and patch releases subject to exercise of the corresponding option.
CR14	Bidding Instructions	What is the anticipated Contract Award Date of EDC?	Contract Award / Effective Date of Contract is planned for end Q2/2023
CR15	SOW	There is a strong dependancy on SOA & IdM platform which is under development. What would be the course of action if the platform is not ready at EDC? Will it postpone the start of the project?	EDC is not dependent on the availability of the SOA & IdM platform.
CR16	SOW	Is there upper limit for ramp-up time?	It is essential to have a proper ramp-up period; the Initiation phase is kept relatively short. The Purchaser is anticipating ramp-up period duration of 3-5 months. In case the bidder would like to propose either a shorter or longer ramp-up period duration, it shall be supported with convincing justification. The bidders are reminded that not meeting the entry criteria for the Initiation phase will result in a missed milestone and immediate delays. Please note the SOW for ramp-up period requirements (specifically SOW sections 3.9.1 and 4.1), and the specific entry criteria for the Initation phase (SOW section 4.2.3, [SOW-177]). Furthermore, please note Book 1 - Bidding Instructions, paragraph 4.5.2.2.5. "...The approach shall include justifications and identify assumptions and constraints in order for the Purchaser to assess the feasibility of the approach within the proposed "ramp-up" period duration."
CR17	SOW	When increment 1 is deployed, will the existing and new TOPFAS run side by side in a manner that both applications are dealing with the same data set? Will there be a continuous data migration need in both directions?	Existing and new TOPFAS baselines shall be able to run side by side but there is no requirement that they do this on the same database. Data migration requirement is only from existing to the new baseline.

CR18	TOPFAS General	What is meant by "TOPFAS Desktop application modules that are web-based"?	Desktop application comprises multiple functional modules implemented using different technologies. Older modules are WinForms based. Newer modules are web-based running in a web browser and integrated within the Deskop applications.
CR19	TOPFAS General	Which companies were involved in the TOPFAS development in the past?	The Agency has developed the first part / prototype and it was then further developped by FCC, Spain selected for the industrialisation first increment under an international competitive bidding.
CR20	TOPFAS General	How much budget was spent to develop TOPFAS until now? For which time period?	This information is not assessed to be needed for the context of the bid. Several millions were spend from the genesis of the software under Agency program of work and then about 20 millions to industry for development over 15 years.
CR21	TOPFAS General	How many contracts were awarded to Industry for TOPFAS up to now?	4 contracts were awarded to industry for the development of TOPFAS Inc 1, Inc 1.1, Inc 2 and eRRS-RRT
CR22	SOW	What is the anticipated duration of ramp-up phase, considering that there are fixed delivery dates for T-25 etc.?	Regarding the duration of the ramp-up period, please note the answer for CR16; Expectation regarding T-25 delivery will be considered during pre-contract award phase.
CR23	SRS	The list of components is not complete, is it to be taken that unmentioned components will not be modified, only maintained as is? i.e. TBT, TOPFAS lite, CAT Analysis, CAT Data Entry, etc?	All components not specifically mentioned are subject to potential modification if they are impacted by other SRS requirements.
CR24	SRS	There is no mention of eFGMT, NCRS, OCC E&F, or RRT in the SRS. Is it to be assumed that there are no major changes/updates to these tools?	Coherence shall be ensured across the application suite. SRS in its entirety is applicable to all applications and modules.
CR25	SRS	Is there a plan to migrate desktop apps to web, or is it user's choice? Are stored procedures still invested in? Do new functionalities require or rely on new stored procedures? Are there plans to eliminate stored procedures? How much of the whole stack is desktop based?	The SRS requires to maintain existing web-based modules, migrate some to be web based, and develop new web-based modules for new scope (see SRS section 2). The bidder is free to propose the migration of any other desktop module to be web-based e.g. to avoid duplication of the same module functionality in both desktop and web. TOPFAS Desktop custom data layer uses direct SQL queries and Stored procedures. Other applications are mostly using Microsoft Entity Framework data access. There is no plan to eliminate using stored procedures. The technology of each application has been presented during Bidders Conference, please refer to the presentations of session #9, #10 and #18.
CR26	TOPFAS General	What is Operational Planning Directive? Is it an artefact of daily use of application? How is it compared to user manuals?	The Comprehensive Operations Planning Directive (COPD) (and other military documents) describes the military doctrine (almost) independently of the tool where the user manual describes the tool (almost) independently of the doctrine. We could compare this with car user manual vs traffic regulation (doctrine).
CR27	SRS	Is there a GIS-enabled database behind? Are there GIS queries, etc.? Are all the web applications angular based, or are there legacy web applications as well?	MSSQL Server geography data types are used. Geo (map) data is provided by CoreGIS. eFGMT is using AngularJS, NCRS is using ASP.NET and part of the TOPFAS Web Portal is using ASP.NET MVC Razor pages. All other applications are in the latest Angular.

CR28	SRS	Is there any expectations/requirement to cover migration of the existing data of current TOPFAS System?	Data and database shall be fully migrated with no data loss; See [SOW-278], [SOW-291].
CR29	SRS	What does "Replicated TOPFAS database" mean? IS there any expectation to cover replication of the data over different sites?	Full replication of data across multiple sites is part of TOPFAS architecture and shall be maintained. Please refer to the Bidders Conference presentation session #18.
CR30	BMD	Regarding the new BMD features. Is there additional information available other that the written requirements? Mock-Ups? Presentations?	No further information is available.
CR31	NSF	When will the NSF DevSecOps Environmental for NATO RESTRICTED be operational?	The strategy to deploy NSF DevSecOps Environment for NATO RESTRICTED can be implemented as soon as the security directive for hosting NATO data in NR is approved by NATO Nations.
CR32	NSF	Will there be specific HW required to connect to the NSF NATO RESTRICTED?	No.
CR33	TOPFAS General	Is there any 3rd party library already identified that does not have a .NET Core version? Can you provide a complete list of 3rd party libraries used in the current TOPFAS?	At least the following: .NET Remoting, Teleplan Maria GDK component is currently .Net Framework only. Details provided in annex CR33 List of 3rd party libraries is attached (annex CR33)
CR34	TOPFAS General	Can you provide a technological roadmap for the applications? Will the razor web applications be migrated to SPA? Will all the server side applications/services be containerized to be hosted on SOA & IdM? Any other updates in relation to the technological roadmap?	Technological roadmap for TOPFAS application suite is not available. SRS [REQ-8110] requires all web-based application front-end, with the exception of NCRS and EFGMT, to be implemented to use a single front-end technology stack. All applications shall be deployable on a containerized environment. Further updates include upgrading to the latest version of the various components being used.
CR35	TOPFAS General	Is the TOPFAS portal developed using Microsoft SharePoint or is it customly developed from scratch? Regarding online spreadsheet/word processor applications, are this based on 3rd party components (open source or components licensed)?	The TOPFAS portal is not developed using SharePoint, it is custom development. The spreadsheet/word processor are currently based on the 3rd party component DevExpress.
CR36	TOPFAS General	Are web version of the desktop apps on par with desktop versions with regard to functionality they provide? If not, is it required or desired in the long term?	SAT, CAT, OPT, OMT Web ("TOPFAS Online") do not currently provide the full functionality of their desktop equivalent. They are mostly limited to read-only, but SAT also provides planning objects creation and editing. Adding creation and editing of other planning objects is also planned for other applications (OPT, CAT). UMT and DMT do not have web equivalents. UMT shall be migrated to be web based. Modules developed or modified as part of the scope are expected to provide the same functionality in desktop and web (simply because they should be the same web module in both).
CR37	NSF	Can all Azure services be used? Or only certain services are used to avoid cloud provider lock-in?	Azure services usage is limited to the services provided by the NATO Software Factory (Azure Devops and Azure DevTestLabs / associated services) for development and testing purposes. TOPFAS applications in production shall not rely on any Azure service (as Azure Cloud will not be accessible).

CR38	NSF	Are SonerQube reports available for all or some of the software components of TOPFAS? Can samples be provided during the IFB phase?	SonarQube reports are available for most of the TOPFAS applications. Detailed report is classified. However, we can indicate that SonarQube reports 1200 "bugs" and 665 days of technical debt for the desktop solution. See Annex CR.38
CR39	INTEL-FS	Will the INTEL- FS roadmap be provided during the IFB, or will be generalized and defined after?	Tentative INTEL-FS roadmap and delivery is provided in Bidders Conference Briefing #11.
CR40	SRS	Are "Content Update Files" what is referred to as "Recorded Messages" in the SRS?	No. "Content-Update files" (refering to Bidding Conference Briefing #14 ETEE-FS) are to be considered "instruction sets" for TOPFAS and describing the actions to undertake when the content-update file is released by ETEE-FS at the scheduled time in the exercise script and send back to TOPFAS (also note CR46). The content update file can contain small payloads/updates in addition to the instruction set (total size max 10MB). Larger payloads shall be managed separately by TOPFAS. "Recorded message" is an operational message, data file, or document prepared during the preparation phase of a training or exercise event. Recorded messages can be considered "Training Components" which can be considered a payload.
CR41	SOA&IDM	It was noted that SOA&IdM is currently deploying wave one. Will the full Roadmap be provided for the IFB?	SOA&IDM Platform is planned to be delivered across two waves. The first wave is due to complete by 2024 and the second wave is under planning.
CR42	Bidding Instructions	Can you provide the documents of TOPFAS, such as SSD, ICD, Database Model, Users Manuals, Architecture Design, Training Materials, etc.? In addition, can you provide the reference documents?	The referenced documents in the SOW and SRS, except for referenced ISO/IEEE standards, will be provided on digital media that will be send to all bidders separately. TOPFAS technical documentation, user manuals and training materials will only be provided to signatory of the NDA sent by email on 27 Jan 2023.
CR43	TOPFAS General	Is there any license to be considered as part of the offer for the 3rd party libraries & components; especially the ones to be migrated from .NET framework to .NET core?	Requirements related to Third party Software and Components are defined in SOW Section 3.7. For the status of .NET see clarification CR33.
CR44	TOPFAS General	What is the total size of the O&M team for the current TOPFAS system?	Operations (level 1 & 2 support): Approximately 5 people Maintenance and level 3 support: Approximately 20 people
CR45	TOPFAS General	What is the status of existing TOPFAS Apps in terms of adaption to NSF? Does it include the usage of SOA&IdM? Does it include Desktop Applications?	All TOPFAS applications including desktop applications are managed and deployed in NSF. There is currently no direct SOA&IdM usage in NSF for TOPFAS.
CR46	ETEE	Is there predefined structure of the "content update file" for ETEE interface? Is this file/structure use for two way integration?	There is no predefined structure of the "content update file". ETEE FS is agnostic of the content. The file should be generated and consumed by TOPFAS. The generated file should define an intended update to TOPFAS and be available to an ETEE FS user for attaching to an Exercise Script element. At the scheduled time in the exercise script, ETEE FS will send the file by email to TOPFAS for processing.
CR47	SOA&IDM	When will be SOA IdM platform available for use with respect to EDC?	EDC is not dependent on the availability of the SOA & IdM platform. SOA&IDM Platform is planned to be delivered by 2024.
CR48	AIRC2IS	Which version (AirC2IS-1 or2) will be used in the integration between AirC2IS and TOPFAS?	TOPFAS shall interface and integrate with the most recent version of AirC2IS Increment-2 in order to meet BMD requirements. Backward compatibility with AirC2IS Incrment-1 shall be maintained.
CR49	SOW	To provide project schedule, can we assume that Purchaser Furnished Items will be provided at the beginning of the project, for instance EDC or EDC + 1 month? What about ICDs?	It is the Bidder/Contractor's responsibility to specify the expected availability, including assmptions and timelines, of Purchaser furnished property and services as part of Project Management Plan; See [SOW-530]. Regarding the availability of ICDs, please see the clarification provided at CR4.

CR50	SOA&IDM//NSF	How do NSF and SOA &IdM platforms separate responsibilities and collaborate together?	• NSF is responsible for managing and proving support for NSF common services such as (user accounts, VPN access, NSF toolchains (incl. trusted container pipeline and registry), and common infrastructure on NSF. • SOA-IDM is an additional service provided on top of NSF. • SOA-IDM service is responsible for managing and providing access to and support for the SOA-IDM platform on the NSF. • NSF provides support to customers during business hours CET. Outside of which support is on best effort basis except for critical security incidents.
CR51	AIRC2IS	Air C2IS Regarding the "Optional Capabilities" will the current capabilities will be kept and new AirC2IS capabilities will be implemented on top of that or all capabilities will be developed from scratch?	The question is not relevant to this IFB.
CR52	Bidding Instructions	Regarding the planned budget, the IFB says about 27 M Eur. The IFB contains a maximum of 22 M. Could you please explain from where the difference is coming from?	The overall budget estimation at 27 M€ as mentioned in the Notification of Intent to invite for bid included the lifespan of the contract with the optional In service support CLINS while the 22 M€ not to be exceeded for the CLINs 1 to 5 represents a ceiling on the investment part of the project calculated per the regulation to 125% of the estimate/authorised budget. The 27 M€ did not consider the 125% ceiling on CLINs 1 to 5.
CR53	SRS	When we look at the traceability matrix, the "ARS Reference Column" points to "TOPFAS", "BMD-ARS", etc. But we cannot comprehend functional capabilities of the TOPFAS applications from the perspective of the end-users using SAT, OPT, CAT etc. What does the reference "TOPFAS" refer too?	The ARS reference, in the form of "BMD-ARS-xxxx", indicates that the SRS requirement is derived from the BMD Architecture Requirements Specifications (BMD ARS) with reference/trace to the specific ARS requirements. The ARS reference "TOPFAS" is placeholder to indicate that the requirement is not derived from the BMD ARS.
CR54	SOW	Is the purpose of this project (bidding) to rewrite the whole TOPFAS application suite (both desktop and web) from scratch? If not how can we limit the scope?	Purchaser expects new capabilities delivered as enhancements and extensions of the current TOPFAS Application Suite, as per SOW paragraph [010]. Scope of the software requirements is defined in SRS.
CR55	GP	Will the Purchaser Background IPR be specified in detail that the contractor will be able to perform the obligations pursuant to article 30.1.3?	All the non COTS TOPFAS application suite components are exclusive property of NATO and will be provided as PFE to the Contractor, in accordance with SOW paragraph 2.1 [043]
CR56	SP/GP	Are we right in assuming that it is not a prerequisite that the Bid Guarantee and the Performance Guarantee (Stand By Letter of Credit) are governed by Belgian Law? May Bidders apply the applicable law of their country for the Bid Guarantee and the Performance Guarantee?	The Bid Guarantee and Performance Guarantee of governed by ISP98
CR57	SP	Could you please specify the required rights to use of purchased software under Article 24.2. as the reference to article 16 is not clear.	update SPs to refer to Article 20, Intellectual Property
CR58		When will the evaluation of CLIN 8 and CLIN 9 occur? What is the process for the evaluation of CLIN 8 and CLIN 9? Please explain.	CLIN8 and CLIN9 are non-evaluated optional CLINs (Reference: Bidding Sheets). They won't be evaluated to select the Bidder. However, they may be further assessed for exercise later on, during the contract lifespan.
CR59	Bidding Instructions	Our house bank is part of the UniCredit Group. As UniCredit S.p.A. is mentioned in Annex E Bidding Instructions, would a Bid Guarantee SLC issued by UniCredit Bank subsidiary be acceptable (without a further confirmation of UniCredit S.p.A.)?	No, the list of banks are provided by the national authorities at the Investment Committee

CR60	SP	With regard to the Performance Guarantee would it be possible to add specifically the UniCredit Bank subsidiary (as a part of UniCredit Group) to the list of acceptable banks to issue the performance guarantee (Annex D Contract Special Provisions)?	No, the list of banks are provided by the national authorities at the Investment Committee
CR61	SP	Will it be possible to agree on a limitation of total contract liability/indemnity for the contractor, for example 50% of the total contract value?	No.
CR62	SP	Liquidated Damages: Would it be acceptable for NCIA to reduce the 15% maximum for liquidated damages per payment milestone to 10% and the 10% maximum of the total contract value to 5%? Liquidated damages shall be payable from the first day of delinquency as of Art. 13.4 Contract Special Conditions -> Would a grace period of for example 4 weeks be acceptable for NCIA?	No.
CR63	GP	Would German Law for the future contract be acceptable to NCIA instead of Belgian Law?	No.
CR64	GP	Contractor shall assume liability for patent and copyright infringements "in any countries". Is it possible to limit this obligation to certain countries?	No.
CR65		In the Legacy Software Suite, will the newly selected contractor be liable for legacy defects free of charge?	The Contractor shall be responsible for the full legacy TOPFAS Application Suite. The legacy TOPFAS Application Suite is provided "as-is".
CR66		Does the current version of the TOPFAS Applications fulfill the Non-Functional Requirements REQ-6630 – 8260: Performance, IT security, reliability of SW?	The current version of TOPFAS Application Suite does not fulfill all Non-Functional Requirements from the SRS.
CR67	Bidding Instructions	Volume II of the bid will be comprised of Bidding Sheets and the extracted Offer Summary sheet in PDF. In bidding package provided there is another file named 03_NU_IFB-CO-115498-TOPFAS-BMD-SSS_.xlsx with a content very close to the bidding sheets. As this file is not part of the Bid Volume II we would like to know what is the aim of this file and how should it be used during the bidding process	The file 03_NU_IFB-CO-115498-TOPFAS-BMD-SSS_.xlsx is part of the Book II prospective contract. It is not to be filled by the bidder at this stage but will be updated and part of the final contract if the bid is successful.
CR68	Bidding Instructions	Celling price is specified for CLINs 1-5 but now indication is provided for optional support and maintenance. Is there any celling price available for WP3 and optional CLINs?	No ceilings apply to WP3 and optional CLINS.
CR69	Bidding Instructions	"Failure to comply with paragraphs 3.4.1.2 and 3.4.1.3" – paragraph 3.4.1.3 does not exist in the document, though its sub-paragraph does.	remove 3.4.1.3.1
CR70	Bidding Instructions	Following the Bidding Instructions, all documents have a page limit that is usually between 50 or 30. The question is, does this page limit consider the document cover, tables of contents, annexes, etc.?	Page limit includes all document elements and annexes.

CR71	SRS	Could you please explain what a Defence Design result and a Defence Design evaluation result are? And which system/tool these results and evaluation results are made in or obtained from?	Please note the requirement numbers have been updated to REQ-3650, 3660, 5140, 5150 in SRS v3.0. For the future NATO BMD capability, 2 distinct steps are foreseen for AirC2 IS in the context of BMD defence planning: 1. The proper development of the defence design, including the OPFOR BM forces, own BMD forces with their deployment, their tasks etc. 2. Based on that, a defence design evaluation capability (D2A) that is planned to produce metrics indicating how "good" the defence design is The term "defence design results" refers to the first step. Using the "defence design results" the operator should be able to associate the complete defence design (which could be a large structure) with a COA and / or would have the opportunity to associate key attributes of the defence design (e.g. number of BMD systems, kinds of BMD systems) with the COA which could also be used for COA comparison. Therefore term "defence design results" relates both to defence design as a whole and/or parts of it that the operator may choose to include.. Defence design evaluation results are the metrics produced by the defence design evaluation capability of the future AirC2 IS.
CR72	SRS	What is a "BM Targeting Strategy"? Where is it defined?	From the ARS: "The BM Targeting Strategy is part of the OPFOR BM COA and contains amongst other information Asset Types that could be targeted."
CR73	SRS	Are these Recorded Messages the messages mentioned in REQ-5350?	Please refer to SRS v2.0 and follow-on revisions.
CR74	SRS	It is not clear which is the difference between these 2 requirements. Please, clarify.	REQ-5780 is the ability to create a fictitious OPFOR BM ORBAT. REQ-5790 is the subsequent use of the fictitious ORBAT on for example on a map view.
CR75	SRS	What does [COMPROMISE.AREA.1] and [COMPROMISE.AREA.3] refer to?	The compromise area requirement is a "Fault Tolerance" requirement. This requirement is to ensure that even when a fault event occurs and/or there is a lack of required data, the function can still be delivered albeit at potentially a degraded state. The COMPROMISE.AREA.x is a property such as time or accuracy or number of frequency. So the functionality will still perform but will be sub-optimal in relation to the defined AREA.x property e.g. it might run slower, manual instead of automated, less accurate, via another channel of communication). The specific property of [COMPROMISE.AREA.x] are classified values and are provided in the classified version of the BMD ADD.
CR76	SRS	Minutes or seconds?	REQ-5900: seconds REQ-5910: minutes

CR77	SRS	Which is the difference between the Defence Design (BC) and the Defence Design (BMD) services? Which systems is providing them?	The difference between Defence Design(BC) and Defence Design (BMD) can be characterized by the definitions of the 2 corresponding System Data Element (SDE) descriptions from the BMD ADD. Defence Design (BC) The set/collection of tasks that have been assigned to the units (sensors and weapon systems). In Baseline Capability TBMD/BMD a task is defined as a triplet which consists of the unit providing defence, the asset being defended, and the threat being defended against. Units can be assigned multiple tasks. Defence Design (BMD) Includes one or more Pre Planned Response/s (PPRs). In BMD a task consists of a triplet, participation in LOR [Launch on Remote] (whether an engagement will be supported by LOR), and participation in Peer-to-Peer engagement coordination (what other systems the resources should be coordinating with for the engagement). The BMD Architecture introduces primary/assigned and secondary/cover tasking. Primary/assigned task is defined as the task the resource should execute as specified in the PPR (i.e. assigned). Secondary/cover task is defined as the task the resource should be prepared to execute as specified in the PPR (i.e. cover). The BMD architecture Defence Design (DD) can contain the assignment of multiple alternative sets of tasks to units in a single DD. Each unique set of alternative tasks in a DD is referred to as PPR. PPRs define the potential changes to the UL sensor and weapon system tasks in a DD that may be triggered by specific events. AirC2 IS is planned to provide both SDEs.
CR78	CR38	In NCIA response to CR38 there is a statement "However, we can indicate that SonarQube reports 1200 "bugs" and 665 days of technical debt for the desktop solution. See Annex CR.38". We could not figure out where is the "Annex" of "CR 38". Can you please check?	Annex CR.38 is released with AMD5.
CR79	CR44	In NCIA response to CR44, you have stated that "Operations (level 1 & 2 support): Approximately 5 people Maintenance and level 3 support: Approximately 20 people" we kindly ask whether the 5, 20 people is from NCIA team or from current Contractor team?	Level 1 and 2 is currently fully covered by NCI Agency, Level 3 and maintenance is a mix of NCI Agency and Contractors.
CR80	CR66	Based on CR-66, which states that "The current version of TOPFAS Application Suite does not fulfill all Non-Functional Requirements from the SRS.", Does the expectation is the current TOPFAS baseline application suite will be modified and migrated by Contractor to comply with the Non-Functional Requirements(SRS 3.x)?	The TOPFAS Application Suite to be delivered under the contract shall comply with the non-functional requirements of the SRS.
CR81	SRS - REQ-0020	According to REQ-0020 in the SRS document, implementation of Micro Service architecture is required. Will this implementation cover the Micro Service transformation of existing services, or will only newly developed services be built with Micro Service architecture?	All the existing services falling within the scope of REQ-0020 shall be implemented as micro services.

CR82	Bidding-Sheets_Amendment 5 03_NU_IFB-CO-115498-TOPFAS-BMD-SSS_	CLIN Summary sheet: After release of Ammendment-5, the number of SRS requirements in "**02_NU_IFB-CO-115498-TOPFAS-BMD-Bidding-Sheets_Amendment 5**" is defined as follows: Total # of SRS Requirement 833 WP1 SRS Requirement 456 WP2 SRS Requirement 377 On the other hand, the number SRS requirements in "**03_NU_IFB-CO-115498-TOPFAS-BMD-SSS_**" is defined as follows: Total # SRS Requirement 826 WP1 SRS Requirement 452 WP2 SRS Requirement 374 This inconsistency may be because of NOT releasing "03_NU_IFB-CO-115498-TOPFAS-BMD-SSS_" in Ammendment-5. We kindly ask whether NCIA plans to update related sheet or can we assume that Amendmnt-5 is baseline and number of SRS requirements in "03_NU_IFB-CO-115498-TOPFAS-BMD-SSS_" will be corrected by Contractor accordingly?	02_NU_IFB-CO-115498-TOPFAS-BMD-Bidding-Sheets_Amendment 5 is the baseline. The SSS "03_NU_IFB-CO-115498-TOPFAS-BMD-SSS" is not required to be provided as part of the bid and will be updated with actual numbers from the bid at time of contract award.
CR83	03_NU_IFB-CO-115498-TOPFAS-BMD-SSS_	In CLIN Summary sheet there is typo error in CLIN as follows. Trailing sub-CLINS maybe corrected as 4.2.2.1, 4.2.2.2,... 4.2.2 Training Package WP2 (Update) 4.2.1.1 TOPFAS SAT Practitioner Course 4.2.1.2 TOPFAS SAT Train-The-Trainer Course ...	This error was corrected in the Bidding Sheets update released with AMD5. 02_NU_IFB-CO-115498-TOPFAS-BMD-Bidding-Sheets_Amendment 5 is the baseline. The SSS "03_NU_IFB-CO-115498-TOPFAS-BMD-SSS" is not required to be provided as part of the bid and will be updated with actual numbers from the bid at time of contract award.
CR84	02_NU_IFB-CO-115498-TOPFAS-BMD-Bidding-Sheets_Amendment 5, 03_NU_IFB-CO-115498-TOPFAS-BMD-SSS_	CLIN Summary sheet: Related to filling "**Unit Price"** and **"Total Fixed Price"** fields in related columns, the expectation that we assume is, the Contractor is going to fill the "**Unit Price**" field and "**Total Fixed Price**" will be calculated by formula(by multiplying the Unit Price with Total Number of SRS Requirements) for related CLIN. "Offer Summary Instructions" in Offer Summary sheet states the following notes: Important Note: The total sum Fixed Price column in this "Offer Summary" sheet should equal the grand total from the "CLIN Summary" tab. These totals are also required to be traceable to the totals from the details tabs (Labour+Material+Travel+ODCs)= Grand Total= CLIN Summary Tab. What we understand from structure of CLIN Summery sheet and instructions that; the Contractor is going to calculate total cost of CLIN x.y by adding cost ites related to the subject CLIN (Labour+Material+Travel+ODCs) cost items and then divide this figure with total number of SRS requirements(833) to get the "**Unit Price**" of CLIN x.y. We kindly ask whether this assumption is correct or not. If not, please advise.	The assumption is correct. Bidders are expected to show the labour, materials, travel and ODC costs affiliated with each CLIN and subsequently the total sum of these costs should be divided by the quantity foreseen for this CLIN to arrive at the Unit Price.