

## Call for tenders' details

Title: 15.CAT.OP.042 - 'Cyber defence training and exercise, coordination and support platform (CD TEXP)'.

Start date: 22/10/2015

Time limit for receipt of tenders: 01/12/2015

Contracting authority: European Defence Agency (EDA)

Status: Closed

## Call for tenders question list

#	Submission date	Publication date	Question subject	Question	Answer
1	09/11/2015 10:48	13/11/2015 15:46	Hosting	<p>We would highly appreciate your support with the following clarification questions:</p> <ul style="list-style-type: none"><li>o Can you kindly confirm that the contractor is expected to host the solution ?</li><li>o Are there any requirements for the hosting solution ?</li></ul> <p>Thank you, Stefan</p>	<p><b>13/11/2015</b> The accepted solution will be finally hosted by an EU member state, here Portugal. However, during the development and testing phase (Work Packages 3-5) the platform shall be hosted at contractor's premises. All relevant hosting requirements are defined in 1.1.3 and 1.3.3 of the Tender Specifications. There are no additional hosting requirements for that phase.</p>

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#	Submission date	Publication date	Question subject	Question	Answer
2	12/11/2015 14:46	13/11/2015 15:54	Request to issue reference document	<p>We are currently analyzing the Technical Specifications, our attention has been caught by a reference document having title "Cyber Defence - Training Need Analysis (TNA)" and dated 2013.</p> <p>In order to comply at our best with the requirements related to the abovementioned project, we would like to have access to such reference documentation.</p> <p>To this end we ask if you could kindly provide us with the "Cyber Defence - Training Need Analysis (TNA)".</p> <p>Should such documentation be confidential, we would be of course at EDA's disposal for the signature of a dedicated NDA (if applicable).</p>	<p><b>13/11/2015</b></p> <p>At this stage even under an NDA the TNA is not releasable. Relevant aspects for the tendering procedure and the design of the CD TEXP are the Cyber Defence competencies and skills framework (CD CSF). Not disclosing the content the CD CSF has identified 19 different roles/functions in 4 major training audiences groups (Any ICT user, Staff officers (J1-9), Senior Decision Makers and Cyber Defence specialists). The CD CSF also identified 49 relevant cyber defence task that have to be fulfilled by the different roles at a different level of expertise (understand, apply, analyse, evaluate). As page 11 of the tender specifications requests an "Interactive Cyber Defence Competencies and skills framework" the solution must be able to handle any combination of these 19*49*6 options in the skills framework in an interactive manner and that any of these combinations could be e.g. integrated/derived from a job description, integrated as learning objectives in course/training or exercise curricula etc.. As the cyber defence domain is a rapidly evolving domain also additional scalability is required to be able to cope with expected changes and increases in the competencies and skills</p>

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					the competencies and skills requirements, the numbers of different roles as well as the task domain.
3	09/11/2015 10:50	13/11/2015 15:57	technical - functional specifications	<p>We would highly appreciate your support with the following clarification questions:</p> <ul style="list-style-type: none"> <li>o With ref to the requirement "... workflow engine...", please confirm that the requirement refers to an engine where the administrator defines the various steps and their succession in the workflow, and then the various users involved will execute these individual steps according to the rules defined by the administrator.</li> <li>o Ref the requirement: "two factor authentication": please confirm what technology and/or supplementary authentication method do you intend to use.</li> </ul> <p>Thank you in advance, Stefan</p>	<p><b>13/11/2015</b> The expectations to the workflow engine are partially covered by above question. For "pre-designed" and customized workflows (as outlined on page 12 of the tender specifications) the in the question mentioned principle applies. However, authorized back office users should be able to develop easily so called "ad hoc workflows" if the predesigned workflows do not fulfil a specific requirement (which after evaluation could be added to the inventory of pre-designed workflows). The minimum requirements for the two Factor Authentication are: 1) Traditional username/password 2) Sending of additional credentials by SMS or e-mail.</p>

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4	19/11/2015 07:46	19/11/2015 16:53	Time schedule of the project	Is the starting point (T0) strictly fixed to December 2015 or is it only preliminary? In case it is preliminary, what is the realistic starting time from client's side?	<b>19/11/2015</b> In accordance with chapter 1.1. of the tender specification (page 16) "...T0 = date of kick-off meeting [is] foreseen to take place one week after the signature of the contract..." In accordance with Chapter 2.2 of the tender specifications (page 25) "The contract shall enter into force on the date on which it is signed by the last contracting party....the period of execution of the tasks will start from the day of the Kick-off meeting ..." The signature of the contract is currently envisaged to take place in January 2016.
5	17/11/2015 10:39	19/11/2015 16:57	hosting	Dear all, Ref to the requirements for hosting AND your reply to the clarification of 13.11.2015 on the same topic. As you mention that "The accepted solution will be finally hosted by an EU member state, here Portugal". Please confirm that the EU member state Portugal will provide all the hardware and communication required for the final hosting. Thank you in advance !	<b>19/11/2015</b> All hard and software for the platform has to be provided by the contractor. The solution shall be able to be operated "Stand-Alone" using the existing Portuguese services such as LDAP and the necessary network connectivity provided by Portugal. Portugal will provide no hard nor software for the hosted system (CD TEXP). In this regard, tenderers shall also consider footnote 2 on page 10 of the tender specifications.

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6	17/11/2015 10:44	19/11/2015 17:03	technical questions	Please confirm that the language of CD TEXP platform will be English.	<b>19/11/2015</b> In accordance with the tender specification page 10 the system and portal language are English. The possibility to provide in the system and portal for other languages in addition to English is desirable, but it is not required.
7	17/11/2015 10:44	19/11/2015 17:05	technical questions	Please confirm that all the documentation will be prepared in English only.	<b>19/11/2015</b> All the documentation shall be prepared in English only
8	17/11/2015 10:44	19/11/2015 17:06	technical questions	Referring to WP6: Training for the Portuguese Armed Forces. Can you please confirm that the training sessions will be performed by the Contractor in English? Can you please confirm that all the training documentation (i.e. training/user manuals) will be provided by the Contractor in English only?	<b>19/11/2015</b> Both the training and the training material shall be in English.

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#	Submission date	Publication date	Question subject	Question	Answer
9	17/11/2015 10:44	19/11/2015 17:08	technical questions	Referring to WP3: "The Contractor shall provide within WP3 all necessary hardware and software to establish and operate the platform including its validation and testing". Can you please clarify/detail this requirement in terms of what products & services are expected to be delivered: - High availability architecture - Production environment - Development-test environment - Ref. "All the work for this WP shall be executed at the contractor's premises" should we understand that all the installation/configuration services for the hardware and software products provided by the Contractor will be EDA responsibility, since all the Contractor's work shall be executed at the contractor's premises ?	<b>19/11/2015</b> The contractor is required to provide the hard and software as well as the customisation services for a high availability production environment. The functional requirements for this production environment are outlined under WP1. The testing and validation concerns the testing and validating of this production environment for acceptance by EDA. There is no need for the development of a "Development and Test Environment". EDA will not provide any installation/configuration services for the hard and software products. The contractor's shall be responsible for providing all such services at its premises.

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10	17/11/2015 10:44	19/11/2015 17:09	technical questions	Referring to CD TEXP integration into the Portuguese IT infrastructure: Can you please give details on the Portuguese IT infrastructure and what is expected to be performed by the Contractor for the migration/integration of CD TEXP platform into the Portuguese IT infrastructure, taking into consideration that the Contractor shall provide within WP3 "all necessary hardware and software to establish and operate the platform including its validation and testing ? "	<b>19/11/2015</b> The platform will be hosted at a MoD Network at unclassified level. That implies a MoD like INFOSEC Policy and that the Equipment respects related security standards. The final migration plan and related standards are part of WP2 (see page 17 of the tender specifications) and EDA and Portuguese Authorities will provide the necessary support to the contractor to fulfil this tasking.
11	23/11/2015 20:03	24/11/2015 09:59	Proposal Validity	I am sorry, but we were not able to find the required Validity of the Tender. Can you clarify this aspect. Thank you.	<b>24/11/2015</b> As stated in section IV.3.7) of the Contract Notice - Minimum time frame during which the tenderer must maintain the tender - the duration in months is 6 (from the date stated for receipt of tender).

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#	Submission date	Publication date	Question subject	Question	Answer
12	25/11/2015 11:33	26/11/2015 15:27	Questions concerning Requirements	On several pages exercises and cyber ranges (eg. pages 10 and 11 )are listed. Could you please give a further description of such an exercise and a cyber range. Does this aim at a live exercises or virtual exercises?	<p><b>26/11/2015</b></p> <p>The CD TEXP shall be capable to manage and support different exercise formats ranging from table top exercises (comparable to NATO Cyber Coalition) over procedural exercises up to hands on technical exercises like CCD COE exercise Locked shields. In the context of this tendering procedure a cyber range conceptually consist of a research range, a simulation &amp;test range and training &amp;exercise range with complementary functionality packages:</p> <ul style="list-style-type: none"> <li>•Cyber Research Range (CRR) A facility where in close cooperation with research centers, private sector, academic institutions knowledge development (research) takes place. Where newly gained knowledge can be utilized in new products, processes and/or services (development). A facility where e.g. ICT, Network Information &amp;Architecture (NII) in a variety of configurations and circumstances can be analyzed. Currently used systems can be analyzed as well.</li> <li>•Cyber Simulation &amp;Test Range (CSTR) A facility within the cyber range where the current ICT-reality of a specific network configuration can be simulated, in which possible effects of</li> </ul>

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					<p>simulated, in which possible effects of cyber operations can be tested. The CSTR enables experimental testing of cyber capabilities in a realistic manner, but in a safe, isolated setting.</p> <ul style="list-style-type: none"> <li>•Cyber Training &amp;Exercise Range (CTER)</li> </ul> <p>In order to achieve the necessary growth and sustainability in human capital a state-of-the-art training &amp;exercise functionality is needed. Modeling &amp;Simulation is a valuable asset where knowledge and skills concerning cyber capabilities and cyber operations can be trained and tested. A setting where cyber operators under simulated circumstances can be trained for utilizing cyber capabilities.</p> <p>The CD TEXP shall not provide a cyber range but should be able to provide management and support functionalities and capacities to a federation of existing cyber ranges in accordance with the functionalities as outlined on pages 10-15 (here especially 15 with respect to the cyber ranges management module.</p>

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#	Submission date	Publication date	Question subject	Question	Answer
13	25/11/2015 11:33	26/11/2015 15:28	Questions concerning Requirements	On the same page databases for several purposes are listed. What does "database" mean in this context? Does this aim at the storage of documents or a media library?	<b>26/11/2015</b> Database should be understood as the capability to store and retrieve different digital artefact formats. This can include products along common office standards but also other digital artefacts.
14	25/11/2015 11:33	26/11/2015 15:29	Questions concerning Requirements	On page 12 one requirement is that the System shall be capable of exchanging information and data with other TMS/LMS. Which kind of data shall be exchanged in which direction?	<b>26/11/2015</b> Relevant standards that also define the content are mentioned in the same Para ("... SCORM 1.2 RTE 3, SCORM 2004, AICC, LOM metadata, IMS QTI..."). The references to standards are included for descriptive purposes. The data exchange shall be bi-directional.
15	25/11/2015 11:33	26/11/2015 15:34	Questions concerning Requirements	On page 12 there are user registration requests and subscription request. Is there a difference between the two scenarios?	<b>26/11/2015</b> The user registration request scenario shall be designed to process user requests for the CD TEXP itself while the subscription scenario shall be designed to process subscription requests for specific courses/training events/exercises managed in the CD TEXP. A course subscriber need not be a user of the TEXP but the subscriber data is entered by a CD TEXP authorized user.

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16	25/11/2015 11:33	26/11/2015 15:36	Questions concerning Requirements	On page 11 you sepecified that repository include catalogues of interactive listst of contact persons and liaison officers an MS. Could you please speficiy further what this list should be like and where it shall be saved/stored? Furthermore the resporitory objects shall include "document templates". Could you please specify "document template" further?	<b>26/11/2015</b> All mentioned catalogues shall be stored and maintained within the TEXP. Links to external catalogues are desirable. Document templates are understood a standardized document formats for recurring products (e.g. Standardized Formats/Templates for course curricula, course descriptions, training material)
17	25/11/2015 11:33	26/11/2015 15:36	Questions concerning Requirements	on page 10 the Operation of three independent domains is required. Our understanding is that domain aims at a client which is administrated seperately within one System. Is this assumption correct?	<b>26/11/2015</b> A system that allow administration of different groups of customers separately can fulfill the "different domain requirement" as long as the content of one domain (except the public content) is only visible or accessible for the authorized users of the domain and not for the authorized users of the other domains.
18	25/11/2015 11:31	26/11/2015 15:40	Further Clarification of Requirements	-page 13 "Cross-module search function: Would this requirement be met by a text search in a learning catalogue and course? Does this search function need to work cross-domain? Which Information shall be delivered by the search? -	<b>26/11/2015</b> Text search should be one of the search functions but also other search functions (e.g. Meta Data Search) should be implemented along state of the art web search technology.

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19	25/11/2015 11:31	26/11/2015 15:41	Further Clarification of Requirements	- page 13 "Training/exercise record Management" - does this mean monitoring functions like reports?	<b>26/11/2015</b> Training/Exercise Record Management should be understood as the ability to establish, store and retrieve all relevant reports and records (e.g. students' lists, students' certificates, surveys, reports) for a delivered specific course.
20	25/11/2015 11:31	26/11/2015 15:42	Further Clarification of Requirements	page 13: Personal Desktop for each registered user: "Course/Excercise registration requests (e.g. ENLIST, ConstantContact functionalities)" and "calendar scheduler"; Could you please explain the desired functionalities?	<b>26/11/2015</b> ENLIST and ConstantContact are available off-the-shelf products for which functionalities are widely known. The references to these products are included for descriptive purposes in order to indicate the functional requirements. These are to be understood as referring to those products or "equivalents". These shall be accepted provided that these offer the same functionalities. The calendar and scheduler function shall allow the user to track for him/her relevant activities based on the output of different workflows (e.g. automated insertion of course data after successful subscription for a specific course) and reminder functions.

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#	Submission date	Publication date	Question subject	Question	Answer
21	25/11/2015 11:31	26/11/2015 15:43	Further Clarification of Requirements	page 15: "Cyber incident/inject and Event Scripting tools". Could you please explain which kind of feature is meant? -	<b>26/11/2015</b> Relevant references to existing tools are given at page 16 with reference to JEMM and EXITO, which also contain scripting functionalities. The references to these products are included for descriptive purposes in order to indicate the functional requirements. These are to be understood as referring to those products or "equivalents". These shall be accepted provided that these offer the same functionalities.
22	25/11/2015 11:31	26/11/2015 15:43	Further Clarification of Requirements	page 15 concerning "Accommodation Management": Would the accommodation be under the control of the Training Managers?	<b>26/11/2015</b> The system shall be capable to manage hybrid scenarios where accommodation are under direct control of the "dispatcher" (e.g. Management and reservation of Military Accommodation) but also the management of 3rd party accommodation (e.g. hotels reservations) should be possible.