

Question dated 27/04/2018

We are conscious that our ITT asked bidders not to use subcontractors. Our intent is to ensure the successful bidder has proper control over the team tasked with delivering SIMRS. Your response to Question 1.2 (a) (iii) indicates that you propose to have a Teaming Agreement. Please provide us with more details (ideally with a copy of your proposed draft Agreement, redacted if necessary). If you believe an alternative arrangement, for example prime/sub between your two companies, would serve the interests of ONR, please describe fully to us what you would propose.

Answer dated 02/05/2018

Axis12/NAC Relationship

Axis12 and NAC (the Team) noted ONR's desire to not allow subcontractors and decided to structure the relationship through which we would serve ONR as a Team and evidenced this relationship under a teaming agreement. The basic principles of the teaming agreement are:

- NAC will modify its NAC Reporter application to meet ONR requirements thus NAC will be the Team lead and have overall responsibility for meeting ONR's technical, delivery, and schedule requirements.
- Since the pertinent NAC staff are not located in the UK and are not currently SC cleared, Axis12 will assist in communications and project management in the UK and provide cleared staff in the UK to support project needs. Axis12 will also provide hosting services if required by ONR.
- The Technical lead for the project will be [REDACTED]. [REDACTED] has the MC&A operating and system development experience to serve this role. [REDACTED] has complete authority to make technical decisions.
- The project manager will be [REDACTED]. [REDACTED] will be responsible for the commercial aspects of the project.

Axis12 and NAC are willing to be flexible in how their arrangement is structured and expect the Team to function as described above regardless of the structure. The teaming approach was established because of the language in the ITT. That said, the Team prefers that the relationship be established as a simpler and clearer prime contractor with a subcontractor structure. As NAC provides the understanding of the application and will be providing the bulk of the work, the Team believes the project is best served with NAC serving as the prime contractor and Axis12 serving as the subcontractor to NAC. However, if ONR wishes Axis12 to be the prime contractor, the team is prepared to accept this arrangement.

The current version of the teaming agreement is attached. The agreement is the process of being revised to take into consideration the changing needs of the project.

[Teaming agreement redacted]

Clarification questions and answers – Axis 12 / NAC

Question dated 01/05/2018

In the Axis 12 / NAC ITT response, it is repeated in numerous places (ITT answers, business specification, user manual) that the existing NAC Reporter software is based on IAEA fixed format and labelled format Code 10 reporting. In our preliminary discussions (and in the best interests of all parties involved) the UK have agreed to use XML format Code 10 for reporting to the IAEA. Can Axis 12 / NAC make this modification to your system? If so, please indicate what impact, if any, there would be on other aspects of your response, including approach, plan, timescales, resources and costs.

Answer dated 01/05/2018

We had already considered taken that into consideration in preparing our proposal, consequently there is no impact on our proposal.

Question dated 01/05/2018

We are trying to understand exactly what is and is not included in your pricing proposal and, where the price is only as estimate at present, the degree of uncertainty in the estimates. Please therefore clarify your cost / pricing proposal, as follows:

A. In ten of your responses to our Non Functional requirements where you state that the solution is capable, or that an item will be supplied, a charge for "Extra Costs" has been made [NFs 1, 2, 5, 8, 10, 15, 17, 19, 20, 21].

Please explain the nature of the additional work required and your degree of confidence in the estimate of effort.

B. In your responses to our Functional requirements the majority of items where "Extra Costs" are indicated explain what has to be done. There are four that seem to indicate that the system has the capability but where extra costs are indicated [F's 4, 21, 23, 27]. In each of the other areas where extra costs are indicated there is an explanation of work required but there seems to be an implied difference in the degree of certainty relating to the work to be done. (The terms "will be", "will have to be", "can be", "once we are given the details ...", "may be" and "[we] will develop and implement ..." are all used).

Are there in fact differing degrees of certainty or confidence in the estimates of effort and if so in what way and to what extent do they differ? Are there any "Extra Costs" that are offered as fixed price extras?

Any clarification you can give us at this stage would be helpful.

C. In your response to requirement NF5 you propose ■■■ hours of effort for the provision of systems documentation. The very last line of the cost detail table proposes ■■■ hours for documentation. Is there an element of double counting here and, if not, what is the difference between the two sets of documentation for which you propose to charge?

Answer dated 01/05/2018

In general, we looked at your requirements and attempted to determine what we thought you were looking to achieve. We then compared that to our current application capabilities and identified any modifications that needed to be made to be 100% compliant. We then estimated the time required for each resource to make the modifications. In most instances we believe we were able to understand the requirement and confidently make an assessment as to what we need to do. However, there are some items where there is more uncertainty due to our lack of knowledge or specification in the requirement. For example, the time required to provide the two years of support to ONR will to a large extent depend on the knowledge and experience of your staff. With a knowledgeable and experienced staff, our time will be much lower than that required with an inexperienced ONR staff. Consequently, we had to make an assumption, and we assumed a moderately experienced staff. This means our estimate is in the middle of the expected range and is probably conservatively high. Overall the estimates were made by a knowledgeable person with a lot of experience in developing MC&A systems. The estimates were challenged, and some were modified. We have confidence in what we have proposed but there are uncertainties.

Where there is uncertainty, we have attempted to indicate that it is uncertain. For example, there are requirements where not all details of the scope have been specified. In NF12 ONR states that during discovery a list of ONR and Safeguards existing software will be provided that the SIMRS should ideally align with. In this instance the Team clearly cannot identify scope as there is no means to estimate the effort to align unidentified software to SIMRS. Where we have used “may be”, “can be”, “will be”, “will have to be”, or “will develop and implement”, these are indications that changes to the application are required to be made, not an indication of differing uncertainty.

The response to your specific questions on requirements follow:

Clarification questions and answers – Axis 12 / NAC

Refer #	Response	
NF1	The source code will be placed in escrow and be accessible to ONR in the event defined conditions are met.	Requested files and/or documentation will have to be gathered and packaged for the escrow company.
NF2	Supplier will provide an initial two-year maintenance and support program, with the option to extend for 2 years in single year increments. The maintenance and support program will be sufficient to meet the operational expectations of NF25-NF27. Supplier anticipates that all desirable requirements will be functional by the end of 2018. Supplier will provide contact information for the development staff that will be available to support ONR 90 percent of the time, on a twenty-four hour a day, seven days a week basis.	NAC will be on call to: <ul style="list-style-type: none"> • Support user operational issues and questions, • Assist with unique or unusual submittals • Upgrade software
NF5	Axis 12 and NAC will provide all requested documents related to the design of the system.	We have anticipated that documents will be required.
NF8	NAC Reporter currently has this capability	We perform testing with 50 concurrent users.
NF10	Once we know ONR's branding and colour scheme, we will update NAC Reporter to reflect the changes. A future version of NAC Reporter will allow the application's System Administrator to made those changes.	Once we know ONR's branding and colour scheme, we will have to update the screens and controls to meet the defined branding and colour scheme.

Clarification questions and answers – Axis 12 / NAC

NF15	<p>Microsoft SQL Server has a feature called Transparent Data Encryption (TDE). This feature encrypts data files used by SQL Server to store data in the database. We have recommended turning on this feature to current customers if they have the “protect data at rest” requirement. The application is a web-based product. Therefore, HTTPS can be deployed to secure communication between the web host server and ONR users. There is also a setting where the Supervisor user can set report marks for every standard report.</p>	<p>Our experience has taught us that there is the potential for additional security requirements once security has a detailed understanding of the solution being provided. We have listed some of the features available that meet known requirements, but we believe there will be more.</p>
NF17	<p>NAC Reporter allows the customer to select how Users log into the application. The application can be set up to require dual authentication where the user inputs an account number and password and the system randomly generates a PIN. The PIN is emailed to the User. The user inputs the PIN and is logged onto the application. Alternatively, the application can use active directory in combination with or without the system randomly generated PIN to allow User access to the application. Thirdly the application can be configured to allow a User to enter an account number and password. This is typically used when the application does not have access to email server.</p> <p>If login failure occurs three consecutive times (current default setting) during a single login attempt, the account will be locked. If a User account is locked, then the User must wait 15 minutes (current default setting) until the account is automatically unlocked or ask the application administrator to unlock the account. The default settings mentioned before are set by the System Administrator.</p>	<p>The current system's login capabilities and features will satisfy most of ONR's security requirements. Our experience has been that there will be additional security requirement details that have not been discovered or outlined in the ITT.</p>
NF19	<p>NAC Reporter logs the following application activities:</p> <ul style="list-style-type: none"> · Login Activities · Logout Activities · Password Expiration Activity 	<p>Time has been added to test the current capabilities after all of the enhancements have been made to the application.</p>

Clarification questions and answers – Axis 12 / NAC

	<ul style="list-style-type: none"> · User Accessed Pages · User Update Activity · Application Start up · Application Shutdown · Updates to Activities Logged · Updates to System Settings · Document Management 	
NF20	The NAC reporter application has been vulnerability tested by a third party (Global Digital Forensics, GDF) under contract to the U.S. government. The testing focused on:	We have designed the current application to meet most of the security requirements listed under NF20. Our experience has been that once security has a deeper understanding of the solution being provided, there will be additional security requirements not listed in the ITT.
NF21	As described in NF18, NAC Reporter has been set up with three roles and additional roles can be added. These will be defined during the initial phases of the project. There is no limit to the number of staff assigned to each role. The functionality available to User groups can be easily set.	There will be new features added to the application based on other requirements. These features will need to be programmed to allow an administrator to control which users can access which features. This requires modification of the application.

Clarification questions and answers – Axis 12 / NAC

Refer #	Response	
F4	NAC Reporter currently has the capability to allow duty holders limited access to the application. Through the application, no facility can see other's facility's data. This includes ONR. The facility can import their data, validate and submit data. Once the data is submitted, the application makes a copy of the data and places it in the ONR dataset for processing.	New screens for manual input and the UK's import file format must be programmed. Administration screens must be set up to define features accessible by duty holders. Additional security protocols must be programmed and tested once the core enhancements are complete.
F21	NAC Reporter currently has this capability. All batch items are stored at the MBA level.	There is no additional cost associated with this requirement.
F23	NAC Reporter currently has this capability.	The application as it stands today has this capability. However new tables and screens to archive data changes due to changes as a result of other requirements will need to be add to the logging feature and tested.
F27	NAC Reporter has a calendar feature accessible to all ONR users on the Home. The ONR user can create a notification and set a timeframe to alert users of an upcoming event and more.	The current calendar feature is limited. This requirement requires enhancements to the calendar feature to provide notifications via email.