

QUESTION #47

Reference: SOW, Page: 8, Paragraph: C.1.2.2.2., Title: Post-Critical Design Review (CDR) Government Analysis

Reference: SOW, Page: 9, Paragraph: C.1.2.2.2.3., Title: Survivability Modeling

Reference: SOW, Page: 9, Paragraph: C.1.2.2.2.4., Title: Human Factors Analysis

Reference: SOW, Page: 9, Paragraph: C.1.2.2.2.5., Title: Vulnerability Analysis

Statement: Section C.1.2.2.2. states that "The Contractor(s) selected for the Fabrication and Demonstration Phase of this program shall deliver the M&S data (c.1.2.2.2.3.? c.1.2.2.2.5.3.) to the Government 3 months after down select."

This seems to be consistent with the C.9.0. Scope of Work

(SOW) Breakdown table on page 24 of the SOW, which lists the C.1.2.2.2.3.

Survivability Modeling, C.1.2.2.2.4. Human Factors Analysis, and C.1.2.2.2.5.

Vulnerability Analysis as "Hardware Demonstration" tasks taking place during the Demonstration Phase (Phase II) of the program.

What seems to be inconsistent, is that survivability/vulnerability is one of the highest weighted capability requirements based on guidance in Attachments 3 and 5. Also, human factors, such as maintainability is normally a consideration throughout the design process.

Question:

a) Is it correct that the Government is not expecting or requiring any information related to Survivability, Human Factors, or Vulnerability Analysis to be included in the Phase I design process and/or presented with the PDR and CDR materials as this will come later during the Demonstration Phase?

ANSWER:

No. Paragraph C.1.2.2.1.3.2 (Concepts Analysis) requires the contractor to provide information to the level 5 of the Work Breakdown Structure (WBS) at the PDR. The WBS contains section(s) on survivability technologies. Paragraph C.1.2.1.1. (Preliminary Detailed Design) requires the contractor to provide descriptions of design trades (and other information) for major demonstrator subsystems and components and the requirements in Attachments 1 & 2 at the PDR. Attachments 1 & 2 have sections (3.7) specifically addressing Manpower and Personnel Integration (MANPRINT) requirements which includes Human Factor requirements. Survivability related information will be included in both the PDR and CDR material (see paragraphs C.5.2. and C.5.3). Subsections C.1.2.2.2.5.1 (Models and Data) and Section C.1.2.2.2.5.2 (Structure and Armor Description and Performance) of Section C.1.2.2.2.5 (Vulnerability Analysis) are products derived from the Phase I M&S effort. Subsection C.1.2.2.2.5.3 may require additional efforts after CDR.

b) Please confirm that the Government does not intend to use any Survivability, Human Factors, or Vulnerability evaluation criteria in the down select process

for a Demonstration Phase contract award as the analysis work does not appear to be scheduled or funded until Phase II.

ANSWER:

Specific CDR down select criteria has not been defined and will be provided as early as possible, but no later than at the M&S start of work meeting.

c) Please explain how the Government anticipates evaluating Survivability and Vulnerability in Phase II. Will it be by analysis alone or will there be some form of live fire evaluation during the MUA?

ANSWER:

The CDR down select criteria has not been defined and will be provided as early as possible, but no later than at the M&S start of work meeting. The MUAP will define survivability and vulnerability evaluations and will be provided when available after award.

QUESTION #48

What is the submission requirement of the Final Technical Report. The SOW matrix (C.9.0) states that it is due in both phases. The CDRL listing says the draft is due 60 days after MUA and the final is due 30 days after USG comments.

Please Clarify.

ANSWER:

The Final Technical Report (FTR) covers both phases (M&S and Hardware Demonstration Phases) and a draft is due 60 days after MUA and a final due 30 days after receipt of Government comments (CDRL A006). The Interim Technical Report (ITR) covers the M&S phase and a draft is due 5 days after CDR. The SOW matrix will be updated at award to state ITR due for the M&S phase and FTR due for the Hardware demonstration phase (although it covers both phases).

QUESTION #49

Reference: SOW, Page: 6, Paragraph: C.1.2.2.1.3.2., Title: Concept Analysis
Reference: Attachment 11, Paragraph: N/A, Title: WBS

Statement: Numerous requirements in the ACTD Scope of Work are related to the Work Breakdown Structure (WBS) and ask that tasks be completed to a Level 5 of the WBS. One specific example of this is the 3D and 2D modeling described in C.1.2.2.1.3.2. Concepts Analysis. This WBS level of detail seems to imply that the FTTS variants are essentially fully designed within the M&S Phase (Phase I) of the ACTD, which is disproportionate to the layout of the ACTD funding split between the M&S and Demonstration phases of the ACTD.

Question: Are the competitors expected to take the WBS Level Breakdown in Attachment 11 literally and only provide drawings for those items listed, or is the WBS provided as an illustration to describe the type of parts that belong at Level 5? In other words, are any and all parts on both the 2006 Demonstrator design and the 2010 OP design that fit a Level 5 characteristic to be included in the C.1.2.2.1.3.2. Concept Analysis or related submittals?

ANSWER:

The Work Breakdown Structure (WBS) provided is an illustrative breakdown of the minimum type and quantity of components the Government is requiring the contractors to provide various types of data for (drawings, models, costs, weights, maintenance information, failure modes, ...). To complete the demonstration build the contractor may need to generate a more detailed WBS.

QUESTION #50

Question: After award, will the classified and FOUO annexes be supplied on paper or electronically?

ANSWER:

The classified and FOUO annexes will be provided in either paper or CD ROM format, whichever is preferred by the contractor.