

DATA ITEM DESCRIPTION

Title: HUMAN SYSTEMS INTEGRATION REPORT

Number: DI-HFAC-81833

AMSC Number: 9184

DTIC Applicable: N/A

Office of Primary Responsibility: AV/MI

Applicable Forms

Approval Date: 20110302

Limitation: N/A

GIDEP Applicable: N/A

Use/relationship: The Human Systems Integration Report (HSIR) documents progress with the contractor's human systems integration (HSI) program; and describes HSI issues, risks, opportunities, requirements compliance, and positive impacts on the system and total ownership costs.

- a. This Data Item Description (DID) contains the format and content preparation instructions for the HSIR resulting from applicable tasks delineated in the contract Statement of Work (SOW) and Human System Integration Program Plan (HSIPP).
- b. When submitted in support of a major program technical review (e.g., System Functional Review (SFR), Critical Design Review (CDR)), the HSIR shall include the additional detail required in Appendix A, unless specifically waived by the procuring agency.
- c. When submitted in support of a major program acquisition milestone (e.g., Milestone C), the HSIR shall be tailored to address key program milestone issues applicable to HSI and, at the discretion of the procuring agency, may omit the additional detail required by Appendix A.

Requirements:

1. Reference documents. The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions shall be as cited in the Acquisition Streamlining and Standardization Information System (ASSIST) database at the time of the solicitation.
2. Format. The HSIR may be contractor selected but shall contain all of the content elements discussed below. Unless effective presentation would be degraded, the format used initially shall be used for subsequent submissions. Revisions shall be clearly indicated in a manner consistent with standard editorial practices.
3. Tailoring. The HSIR should be tailored to reflect the program needs, acquisition category, and phase of development. The proposed tailoring of the HSIR content shall identify the paragraph, the proposed changes, and a rationale. Tailoring specified by the procuring agency shall also be included. If no tailoring is proposed beyond that specified by the procuring activity, this shall be stated.
4. Content. The HSIR shall contain the following information:
 - a. Front matter. Table of contents; lists of tables, figures, and appendices, as applicable; and a list of acronyms and abbreviations.
 - b. Purpose and Scope: Describe the HSIR purpose and scope, especially as related to the next scheduled major technical review or milestone.

- c. Overview: Briefly describe the system, mission, human role(s), Concept of Operations (CONOPS), and operational environment.
- d. HSI Activities, Results and System Impacts: Provide a top-level description and status of the significant HSI activities conducted since contract award or the last submittal of the HSIR, including system analyses, assessments, evaluations, and trade studies; the results; and any successes or lessons learned that have had an impact on system design, risk, performance, and total ownership costs.
- e. Status of HSI Requirement Compliance Verification: Describe the progress of compliance verification (e.g., percent requirements verified). Provide the status (“compliant”, “partially compliant”, or “non-compliant”) for each HSI and HSI-related requirement in the system specification and any other contract requirement document(s).
- f. Summary of HSI Issues and Risks: Identify and summarize any Integrated Product Team (IPT)-level and program-level HSI issues and risks and their operational impact. Note any issues, risks and concerns that have emerged or increased in significance since the last HSIR submittal. Note which IPT-level HSI issues and risks have been integrated with the program-level risk management system. Discuss any issues or risks that directly address program Key Performance Parameters. Include a summary of risk mitigation plans for any HSI program-level risk.
- g. HSI Progress and Status: Describe the status of the HSI program relative to the entry and exit criteria established for the next scheduled major program technical review or milestone.
- h. HSI Program Quality Control. Provide an assessment of the HSI program quality control using the approach described in the HSIPP.
- i. HSI Planned Activities: Provide or update the schedule for HSI activities planned for execution following the current submission of the HSIR.
- j. Appendix A. Human Systems Integration Analysis & Compliance Status.
 - (1) Table of Contents. Include links to the individual sections of the appendix. Note: For the items in paragraphs (2) through (8) below, provide the information described, or provide the title(s) and location(s) of, or link(s) to, the document(s) that include the information.
 - (2) System Description. Provide a top-level CONOPS, with an architectural view of the system. Include an overview of major subsystems and their relationship to the system.
 - (3) Requirement Compliance Verification. If the system specification requirements have been decomposed to subsystem-level specifications, provide the status of compliance verification for each HSI and HSI-related requirement at the subsystem level.
 - (a) Compliance resolution. For each partially-compliant or non-compliant system or subsystem requirement, provide a plan to achieve compliance, or a recommendation to modify or delete the requirement, with a rationale.
 - (b) Verification. Identify the verification method (e.g., inspection, analysis, demonstration, or test) for each requirement, and who (which discipline or

organization element) is responsible for the activity at the system or subsystem level. Describe the HSI test and evaluation activities that have been conducted, including the performance criteria, or provide the title(s) and location(s) of, or link(s) to, the document(s) that include the information.

- (4) Issues and Risks. Describe each unresolved HSI issue and risk, including: criticality; impact on mission performance; impact on human performance; estimated customer ownership costs; status of associated corrective action plans and mitigation plans; and the estimated closure date.
- (5) Assessments and Evaluations. Describe and provide the results of any significant operator, maintainer, trainer, and support personnel HSI-related assessments and evaluations and (e.g., workstation anthropometric compatibility, workload evaluation) conducted since contract award or the last HSIR submittal. Identify any impacts on system design and human performance, including a description of results and user feedback.
- (6) Task Lists. Describe the status of completing job and task lists for operators, maintainers, trainers, and support personnel. Identify any tasks that have been added, eliminated, or significantly modified since contract award or the last submission of the HSIR. Provide the title(s) and location(s) of, or link(s) to, the document(s) that include operator, maintainer, trainer, and support personnel task lists.
- (7) Personnel Requirements. Identify the Military Occupational Specialty (MOS), Naval Enlisted Code (NEC), Air Force Specialty Code (AFSC), or other designations for system operators, maintainers, trainers, and support personnel. Identify any new knowledge, skills, abilities and experience required of the specified personnel for system operation, maintenance, training, and support, or provide the title(s) and location(s) of, or link(s) to, the document(s) that include the information. Note any civilian or contractor personnel required to maintain, train, or support the system.
- (8) Tools. Provide a list of any non-standard tools (unique to the system under development) required for system maintenance and support, and a rationale for why a standard tool cannot be used, or provide the title(s) and locations(s) of, or links to, the documents that include the information, as well as maintenance plan and procedure documents.

End DI-HFAC-81833