Downloaded from http://www.everyspec.com

DATA ITEM DESCRIPTION

Title: SYSTEM SAFETY PROGRAM PLAN (SSPP)

Number: DI-SAFT-81626
AMSC Number: N7456
DTIC Applicable:
Office of Primary Responsibility: N/PMS377
Applicable Forms:

Approval Date: 20010801
Limitation:
GIDEP Applicable:

Use/Relationship: This plan details the task and activities of system safety management and system safety engineering required to identify, evaluate, and eliminate or control hazards throughout the changes from the baseline configuration. The System Safety Program Plan describes fully the planned safety tasks and activities required to meet the System Safety Program requirements.

a. This Data Item Description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task required as delineated in the contract.

Requirements:

1. Format. The Systems Safety Program Plan (SSPP) shall be presented in the Contractor's format.

2. Content. The Systems Safety Program Plan shall contain the following:

2.1 System Safety Organization. The plan shall describe:

a. The system safety organization or function within the organization of the total program using charts to show the organizational and functional relationships, and lines of communication.
b. The responsibility, authority, and accountability of system safety personnel, other contractor organizational elements involved in the system safety effort, subcontractors, and system safety groups. Identify the organizational unit responsible for executing each task. Identify the authority in regard to resolution of all identified hazards. Include the name, address, and telephone number of the lead Engineer for System Safety.
c. The staffing of the system safety organization for the duration of contract to include manpower loading and the qualifications of assigned key personnel.

DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

Downloaded from http://www.everyspec.com

d. The process through which contractor management decisions will be made to include notification of critical and catastrophic hazards, corrective action taken, mishaps or malfunctions, waivers to safety requirements, and program deviations.

2.2 System Safety Program Milestones. The plan shall:

a. Identify safety milestones so that evaluations of the effectiveness of the system safety effort can be made at Quarterly Program Reviews.
b. Provide a program schedule of safety tasks showing start and completion dates, reports, reviews, and man loading, in relationship to other program milestones.
c. Identify integrated system activities (i.e., design analyses, tests, and demonstrations) applicable to the system safety program but specified in other engineering studies to preclude duplication. Included as a part of this section shall be the estimated manpower loading required to do these activities.

2.3 System Safety Requirements. The plan shall:

a. Describe or reference the methods that will be used to identify and apply safety/hazard control. List the safety standards and system specifications that are the sources of safety requirements with which the contractor is required to comply and any others he/she intends to use.
b. Describe the risk assessment procedures. The hazard severity categories, hazard probability levels, and the system safety precedence to be followed in satisfying safety requirements shall be in accordance with MIL-STD-882.
c. Describe the integration of subcontractor equipment safety information.

2.4 Hazard Analysis. The plan shall describe:

a. The analysis technique and format that will be used in qualitative and quantitative analysis to identify hazards, their causes and effects, and recommended corrective action.
b. The depth within the system to which each analysis technique will be used including hazard identification associated with the system, subsystem, components, personnel, ground support equipment, government furnished equipment, facilities, and their interrelationship in the logistics support, training, maintenance, transportability, and operational environments.
c. The technique for establishing a single closed-loop hazard tracking system.

Downloaded from http://www.everyspec.com

2.5 Safety Verification. The plan shall describe:

a. The verification requirements for ensuring that safety is adequately demonstrated by analysis.

2.6 Training. Describe techniques and procedures to be used by the contractor to ensure that the objectives and requirements of the system safety program are met in the safety training for engineers, technicians, operating and maintenance personnel.

2.7 Mishap Reporting and Investigation. The plan shall describe the mishap and hazardous malfunction analysis process for mishaps prior to delivery of the craft.

2.7.1 System Safety Interfaces. The plan shall identify, as addendums, the interface between system and safety and all other applicable disciplines, such as Maintainability, Quality Assurance, Reliability, Human Factors Engineering, Transportability Engineering, and Medical Support (Health Hazard Assessments).

End of DI-SAFT-81626.