# DATA ITEM DESCRIPTION

**Title:** RELIABILITY AND MAINTAINABILITY (R&M) ALLOCATION REPORT

**Number:** DI-SESS-81968
**AMSC Number:** 9485
**DTIC Applicable:** Yes
Defense Technical Information Center
ATTN: DTIC-FDAC
8725 John J. Kingman Road, Suite 0944
Fort Belvoir VA 22060-6218
**Office of Primary Responsibility:** SH/NUWC-NWPT
**Applicable Forms:** N/A

**Approval Date:** 20140710
**Limitation:** N/A
**GIDEP Applicable:** Yes
GIDEP Operations Center
Naval Warfare Assessment Center
P. O. Box 8000
Corona, CA 91718-8000

**Use/relationship:** Using system models, the Reliability and Maintainability (R&M) Allocation Report documents the methods and results of the allocation of the reliability, maintainability and Built-In Test (BIT) requirements. End item quantitative requirements must be broken down to appropriate system/subsystem/unit levels necessary to establish requirements for designers and subcontractors.

This Data Item Description (DID) contains the format, intended use information, and content preparation instructions for the data product generated by the specific and discrete task described in the solicitation or contract.

This DID should be tailored appropriately to each program.

**Requirements:**

1. Format. The Reliability and Maintainability (R&M) Allocation Report shall be in contractor's format.

2. Content. The R&M Allocation Report shall document the methods and results for allocating the reliability, maintainability and BIT requirements for each system/subsystem/unit, and shall include:

    a. Description of how each indentured level is determined, the end-item environments, the use duty cycles throughout the mission period and maintenance by which it will be supported.

    b. The method used to allocate R&M, including Built-In-Test (BIT), requirements to lower levels.

    c. Description of trade-off methodology used to evaluate alternatives and risks involved in achieving the allocations.

d. Description of processes used to create and manage allocation margin. Include a discussion regarding process for reassigning allocation as the design matures.

e. Results of the R&M (including BIT) allocations for each of the system/sub-system/unit of which the end-item is composed.

**3. End of DI-SESS-81968**