

## **DATA ITEM DESCRIPTION**

**Title:** TECHNICAL WORK BREAKDOWN STRUCTURE (TWBS) AND TECHNOLOGY MATURATION PLAN (TMP)

**Number:** DI-SESS-82100

**AMSC Number:** N9767

**DTIC Applicable:** No

**Preparing Activity:** AS

**Applicable Forms:**

**Approval Date:** 20170126

**Limitation:**

**GIDEP Applicable:** No

**Project Number:** SESS-2017-006

**Use/Relationship:** The Technical Work Breakdown Structure (TWBS) details the threshold compliant system design down to its lowest level of indenture appropriate for identifying and determining the maturity of Critical Technology Elements (CTEs). The Technology Maturation Plan (TMP) details the program's technology maturation roadmaps for each CTE to achieve Technology Readiness Levels (TRLs) and the targeted maturity consistent with program acquisition strategy.

The Independent Technical Review Office (ITRO), along with an independent expert panel, shall use the TWBS and TMP to assess technology maturity and gauge risk to achieve TRLs by key acquisition knowledge points.

This Data Item Description (DID) contains the format, content, and intended use information for the data deliverable resulting from the work task described in the solicitation.

### **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 specified in the contract.

NAVAIRINST 3910.1 Technology Readiness Assessment Process

This reference document establishes policy and guidance which outlines procedures and assigned responsibilities for the technology readiness assessment process.

2. Format. The TWBS and TMP shall be in the NAVAIR's ITRO approved format.

3. Content. The TWBS and TMP shall contain the following data elements: Program background information, program level risks, technology related risks, relevant environment description, operational environment description, technology element description, enabling technology, change description, CTE/non-CTE justification, predicted TRL, TRL justification, and demonstration details for CTE maturation (e.g. prototyping, demonstrations, modeling and simulation, leveraged investments in maturity, etc.).

End of DI-SESS-82100