

**DATA ITEM DESCRIPTION**Form Approved  
OMB No. 0704-0188

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**1. TITLE**

BASELINE DESCRIPTION DOCUMENT

**2. IDENTIFICATION NUMBER**

DI-CMAN-81121

**3. DESCRIPTION/PURPOSE**

Provide identification of the approved documents, plus approved changes, which define the item's functional and physical characteristics in the form of specifications, drawings, associated lists, interface control documents, and documents referenced therein. The principal use of this identification is to form the basis for configuration control of designated configuration items (CIs)

**4. APPROVAL DATE  
(YYMMDD)**

910201

**5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)**

SPAWAR (003-221)

**6a. DTIC APPLICABLE****6b. GIDEP APPLICABLE****7. APPLICATION/INTERRELATIONSHIP**

- 7.1 These descriptions shall be required for contracts requiring configuration control, and shall be formally released in writing at the point in time when the baselines are established. This data will be used by the government as the baseline upon which to judge future changes to the equipment/systems. The descriptions shall be updated each time the baselines are changed.

(Continued on page 2)

**APPROVAL LIMITATION****9a. APPLICABLE FORMS****9b. AMSC NUMBER**

N6019

**10. PREPARATION INSTRUCTIONS**

- 10.1 Format Requirements. Baseline descriptions shall be prepared in accordance with the format and using the available data and information sources shown in Figures I, II or III of this Data Item Description. The listings shall contain the specific data used to describe Configuration Items. A sample format is provided in Figure IV depicting the minimum data elements to be recorded.
- 10.2 Data Content. The descriptions shall include a complete listing of government furnished and contractor developed and furnished documents which are required to totally define and control the baselines. Contractor data described but not required by contract shall be so identified. Data included in the description shall be identified in accordance with the specified contract requirements. If there are no contract requirements, the contractor's identifiers shall be used.

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**DISTRIBUTION STATEMENT**

DISTRIBUTION STATEMENT A. Approved for public release, distribution is unlimited.

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**Block 7.0 Application/Interrelationship (Continued)**

- 7.2 The data product generated by this Data Item Description shall reflect the specific and discrete task requirements for baseline documents, as delineated in the contract.
- 7.3 Preparation of these descriptions shall in no way conflict with or contravene contract requirements specifying delivery of technical data packages and other engineering support data, as delineated in the contract.
- 7.4 The terms "contract" and "contractor" include intra-government orders and activities.

**Block 10.0 Preparation Instructions (Continued)**

- 10.3 Figures I, II and III summarize the types of hardware and software documents which normally are included in Functional, Allocated, and Product baselines. Other documents, as delineated in the contract requirements, or as agreed to in data review conferences, may be added by the Government or contractor.

**FIGURE I Functional Baseline****A. FUNCTIONAL BASELINE DESCRIPTION DOCUMENTS**

- \* CI/SYSTEM SPECIFICATION (TYPE A)
- \* SYSTEM SEGMENT SPECIFICATION (TYPE A)
- \* PERFORMANCE SPECIFICATION (TYPE B)
- \* DEVELOPMENT SPECIFICATION (TYPE B)
- \* CONCEPTUAL DESIGN DRAWINGS
- ` SOFTWARE REQUIREMENTS SPECIFICATION
- ` OPERATIONAL CONCEPT DOCUMENT
- ` SOFTWARE QUALITY EVALUATION PLAN
- ` SOFTWARE DEVELOPMENT PLAN
- ` SOFTWARE STANDARDS AND PROCEDURES MANUAL
- ` SOFTWARE CM PLAN
- ` HARDWARE CM PLAN

**NOTES:**

- \* Designated Baseline Documents

**B. SOURCE OF TECHNICAL DATA AND INFORMATION**

JUSTIFICATION FOR MAJOR SYSTEM NEW START OR DOD COMPONENT  
OPERATIONAL REQUIREMENT EQUIVALENT:

Defense Guidance Element	Funding Implications
Mission and Threat	Constraints
Alternative Concepts	Acquisition Strategy
Technology & Risks	Functional and Physical Characteristics

FIGURE I. Functional Baseline Continued on page 3.

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## Block 10.0 Preparation Instructions (Continued)

- SECRETARY OF DEFENSE PROGRAM DECISION MEMORANDUM (OR EQUIVALENT)
- CONCEPT EXPLORATION PROGRAM MANAGEMENT PLAN:
 

Organization & Operations	Life-Cycle Cost Estimates
Concept	Acquisition Plan (Program & Phase)
Maintenance Concept	Phase
Manpower & Training	Milestones/Schedules (Program & Phase)
- FUNCTIONAL REQUIREMENTS, CONSTRAINTS AND THRESHOLDS:
  - Mission & Threat Analyses
  - Rationalization, Standardization, and Interoperability
  - Reliability, Maintainability, and/or Availability
  - Survivability & Nuclear Hardening
  - System Safety
  - Security
  - Supportability
  - Test & Evaluation
  - Environment
- ACQUISITION SUPPORT DOCUMENTATION:
 

Configuration Management Plan(s)	Test & Evaluation Master Plan
Government CMP	Supportability Assessment Plan
Contractor CMP	Statement of Work
Product Assurance Plan	Contract Data Requirement List
System Engineering Management Plan	Federal Acquisition Regulations
Government-Furnished Property Use Plan	
- ENGINEERING CHANGE PROPOSALS
- CONFIGURATION BOARD MINUTES AND DIRECTIVES
- SYSTEM REQUIREMENTS REVIEW

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FIGURE II. Allocated Baseline
A. ALLOCATED BASELINE DESCRIPTION DOCUMENTS

- \* DEVELOPMENT SPECIFICATION
- \* UPDATED CI/SYSTEM SEGMENT SPECIFICATION
- \* PRIME ITEM DEVELOPMENT SPECIFICATION
- \* PRODUCT SPECIFICATION (NDI)
- \* PERFORMANCE SPECIFICATION
- \* SOFTWARE REQUIREMENTS SPECIFICATION
- \* INTERFACE REQUIREMENTS SPECIFICATION
- \* CONCEPT DESIGN DRAWINGS
- \* INDENTURED DOCUMENTS LIST
- \* OPERATIONAL CONCEPT DOCUMENTATION

FIGURE II. Allocated Baseline continued on page 4.

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## Block 10.0 Preparation Instructions (Continued)

- ~ SOFTWARE TOP LEVEL DESIGN DOCUMENT
- ~ SOFTWARE TEST PLAN
- ~ SOFTWARE DETAIL DESIGN DOCUMENT
- ~ INTERFACE DESIGN DOCUMENT
- ~ DATABASE DESIGN DOCUMENT

## NOTES:

- \* Designated Baseline Documents

B. SOURCE OF TECHNICAL DATA AND INFORMATION

- ~ SYSTEM CONCEPT PAPER (OR EQUIVALENT)
- ~ SECRETARY OF DEFENSE PROGRAM DECISION MEMORANDUM (MILESTONE I) (OR EQUIVALENT)
- ~ TEST & EVALUATION MASTER PLAN
- ~ DEMONSTRATION & VALIDATION PROGRAM MANAGEMENT PLAN:
 

Acquisition Plan	Program Milestones/Schedules
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- ~ PROGRAM SOLICITATION PACKAGES (RFP/RFQ)/SELECTION OF CONTRACTORS:
 

Statement of Work	Government CM Plans(s)
CDRL	Federal Acquisition Regulations
Functional Baseline	Contractor CM Plan(s)
IRD and Specifications	Contractor Work Breakdown Structure
- ~ SYSTEM ENGINEERING MANAGEMENT PLAN
- ~ PARAMETRIC & FUNCTIONAL ANALYSIS RESULTS
- ~ REQUIREMENTS ALLOCATION & PERFORMANCE BUDGET DOCUMENTS
- ~ TRADE STUDY REPORTS
- ~ SYSTEMS SYNTHESIS PORTRAYAL (Diagrams, Models, Simulations, Drawings, etc.)
- ~ SYSTEM HIERARCHY & SPECIFICATION TREE
- ~ TECHNICAL PERFORMANCE MEASUREMENT REPORTS & REVIEW MINUTES
- ~ INTRA & INTER-SYSTEM/CI INTERFACE REQUIREMENTS ALLOCATION & DESIGN APPROACH DOCUMENT
- ~ RISK ANALYSIS & MANAGEMENT PLANS & REPORTS
- ~ ENGINEERING SPECIALITIES REQUIREMENTS ANALYSES REPORTS
- ~ LOGISTICS SUPPORT ANALYSIS PLAN & REPORTS
- ~ CONTRACTOR DEMONSTRATION & VALIDATION TEST & EVALUATION PLANS & REPORTS
- ~ GOVERNMENT DEVELOPMENT TEST & EVALUATION MASTER PLANS & REPORTS
- ~ ENGINEERING CHANGE PROPOSALS
- ~ CONFIGURATION CONTROL BOARD MINUTES & DIRECTIVES
- ~ SYSTEM DESIGN REVIEW
- ~ SOFTWARE DEVELOPMENT CONFIGURATION DOCUMENTS

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## Block 10.0 Preparation Instructions (Continued)

FIGURE III. Product BaselineA. PRODUCT BASELINE DESCRIPTION DOCUMENTS

## NOTES:

- \* PRODUCT SPECIFICATION (TYPE C)
- \* UPDATED PRODUCT SPECIFICATION (NDI)
- \* PROCESS SPECIFICATION (TYPE D)
- \* MATERIAL SPECIFICATION (TYPE E)
- \* PRODUCT DRAWINGS
- \* INDENTURED DOCUMENT LIST
- \* SOFTWARE PRODUCT SPECIFICATION
- \* FCA/PCA AUDIT MINUTES

\* Designated Baseline Documents

B. SOURCE OF TECHNICAL DATA AND INFORMATION

- ~ DECISION COORDINATING PAPER AND INTEGRATED PROGRAM SUMMARY (OR EQUIVALENT)
- ~ SECRETARY OF DEFENSE PROGRAM DECISION MEMORANDUM (MILESTONE II) (OR EQUIVALENT)
- ~ UPDATED TEST AND EVALUATION MASTER PLAN
- ~ FULL-SCALE DEVELOPMENT PROGRAM MANAGEMENT PLAN:
 

Acquisition Plan	Milestone/Schedules
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- ~ FSD RFP/RFQ-SELECTION OF PRIME OR ASSOCIATED CONTRACTORS:
 

Current FCI	Contractor CM Plan(s)	Contractor Work
Allocated	Statement of Work	Breakdown Structure
Baseline	Contract Data	Updated Government
Interface	Requirements List	CM Plan(s)
Design Specs	Federal Acquisition Regulations	Contractor Interface Agreements
- ~ DESIGN SYNTHESIS PRODUCTS
- ~ PRODUCT READINESS REVIEW REPORTS:
 

Preliminary Design Review	Physical Configuration Audit
Critical Design Review	Functional Configuration Audit
Test Readiness Review	Formal Qualification Review
- ~ LOGISTICS PLAN FOR PREOPERATIONAL SUPPORT
- ~ CONTRACTOR FULL-SCALE DEVELOPMENT TEST & EVALUATION
- ~ GOVERNMENT DEVELOPMENT, PRODUCT ACCEPTANCE, INITIAL OPERATIONAL & FOLLOW-ON OPERATIONAL TEST & EVALUATION MASTER PLANS AND REPORTS
- ~ COMPUTER SOFTWARE VALIDATION & VERIFICATION V & V

FIGURE III. Product Baseline continued on page 6.

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Block 10.0 Preparation Instructions (Continued)

- `OPERATIONS/MAINTENANCE MANUALS & SUPPORT EQMT V & V
- `ENGINEERING CHANGE PROPOSALS
- `REQUESTS FOR DEVIATIONS OR WAIVERS
- `CONFIGURATION CONTROL BOARD MINUTES AND DIRECTIVES

**NOTICE  
BASELINE**

**CONTROL NO:**      **DATE:**      **PAGE OF**

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**FIGURE IV. Sample Format**