

FA9101-22-R-B001

Exhibit B

Data Item Descriptions

Test Operations and Sustainment (TOS) II

7 February 2023

DATA ITEM DESCRIPTION

Title: DATA ACCESSION LIST (DAL)

Number: DI-MGMT-81453B

AMSC Number: F9810

DTIC Applicable: No

Preparing Activity: 11 (AFLCMC/EZSC)

Applicable Forms: N/A

Approved Date: 20170601

Limitation: N/A

GIDEP Applicable: No

Project No.: MGMT-2017-020

Use/Relationship: The purpose of the Data Accession List (DAL) is to provide a medium for identifying contractor internal data which has been generated by the contractor in compliance with the work effort described in the Statement of Work (SOW). The DAL shall also identify subcontractor/vendor data which has been generated per the Supplier Data Requirements List (SDRL) and the SOW. The DAL is an index of the generated data that is made available upon request for the period of performance of the contract as well as any additional period of time negotiated between the Government and the contractor and cited in the contract. The DAL is not a requirement to deliver all the data listed. The Government can use the list to order data from the list as cited in the contract.

- a. This data item description (DID) is not a substitute for standard data requirements that are contractually applied.
- b. This DID contains the format, content, and intended use information for the data deliverable resulting from the work task described in the solicitation.
- c. This DID supersedes DI-MGMT-81453A.

Requirements:

1. Reference Documents. None.
2. Format. The DAL shall be in the contractor's format.
3. Content. The DAL shall specify internally generated data and computer software used by the contractor (including subcontractor/vendor data) to develop, test, and manage the program. The format and content of the data listed on the DAL shall be as prepared by the contractor to document compliance with the SOW Task and contract requirements.
 - 3.1 The list shall include the identification number, title which shall describe content, security classification, and in-house release date.
 - 3.2 The list shall also identify the Government Rights to the data using the following codes:
 - GPR - Government Purpose Rights
 - UR - Unlimited Rights
 - LR - Limited Rights
 - RR - Restricted Rights (computer software only)
 - CLR - Commercial License Rights for commercial technical data
 - CSLR - Commercial Software License Rights for commercial computer software and commercial computer software documentation
 - SNLR - Specifically Negotiated License Rights

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

3.3 Once data is listed on the DAL the data shall be made available to the Government as cited in the contract.

End of DI-MGMT-81453B.

DATA ITEM DESCRIPTION

Title: Integrated Program Management Data and Analysis Report (IPMDAR)

Number: DI-MGMT-81861C

AMSC Number: 10265

DTIC Applicable: No

Preparing Activity: OUSD (A&S) ADA

Approval Date: 20210830

Limitation: N/A

GIDEP Applicable: No

Project Number: MGMT-2021-011

APPLICABLE FORMS: N/A

1. USE/RELATIONSHIP:

- 1.1 The Integrated Program Management Data and Analysis Report (IPMDAR) contains data for measuring contract execution progress on Department of Defense (DoD) acquisition contracts. The IPMDAR's primary purpose to the Government is to reflect current contract performance status and the forecast of future contract performance. This Data Item Description (DID) contains the format, content requirements, and intended use of information for the data deliverable resulting from the work task described in the solicitation.
- 1.2 The IPMDAR consists of the following three components:
 - 1.2.1 Contract Performance Dataset (CPD). Provides performance/execution data from the contractor's existing management systems.
 - 1.2.2 Schedule (Comprised of both the Native Schedule File and the Schedule Performance Dataset (SPD)). Provides data from the contractor's Integrated Master Schedule (IMS).
 - 1.2.3 Performance Narrative Report (Comprised of both the Executive Summary and the Detailed Analysis Report). Provides narrative analysis of data provided in the CPD and the Schedule.
- 1.3 IPMDAR Outline.
 - 1.3.1 Data reported shall reflect all negotiated contract work and include the total scope of Authorized Unpriced Work (AUW) efforts.
 - 1.3.2 Data reported shall reflect the output of the contractor's Earned Value Management System (EVMS).
 - 1.3.3 Data reported in the CPD, Schedule, and Performance Narrative Report shall be as of the same reporting period.
- 1.4 Direct Reporting Contractor Role.
 - 1.4.1 A Direct Reporting Contractor is any contractor required to provide the IPMDAR directly to the Government. This includes prime contractors, subcontractors, intra-government work agreements, and other agreements, based on the contract type, value, duration, nature of the work scope, and the criticality of the information. In this document, instances of "Contractor" are synonymous with "Direct Reporting Contractor." ¹

¹ In the event that the Direct Reporting Contractor is a contractor other than the prime, the Direct Reporting Contractor will additionally report to the prime. Subcontractor data shall be provided to the prime in a manner that supports the contractor's submission to the Government.

- 1.5 Data Repository. The Office of the Under Secretary of Defense (OUSD) Acquisition, Data and Analytics (ADA) Integrated Program Management (IPM) Division maintains a secure website, the Earned Value Management Central Repository (EVM-CR)², for all unclassified, proprietary, and non-proprietary data from programs and contracts that have EVM reporting requirements, regardless of a program's Acquisition Category (ACAT) designation or a contract's value. The EVM-CR is housed on an unclassified computer system designed to control sensitive and proprietary contractor data. The system will accept only unclassified data including contracts with EVM data that are marked as Controlled Unclassified Information (CUI) (formerly known as For Official Use Only (FOUO)), Business Sensitive, and/or Proprietary. No classified material shall be provided to the EVM-CR. Refer to DoD Manual 5200.01 Volume 4 for information regarding designation and marking of Controlled Unclassified Information (CUI).
- 1.6 Electronic Submission and Files. Refer to the ADA IPM Website and the IPMDAR Implementation Guide for information about electronic data submission format requirements as defined in the File Format Specifications (FFS) and Data Exchange Instructions (DEI).³ The FFS provides clarification for technical requirements of the files themselves and does not supersede data requirements outlined in this document.
 - 1.6.1 The CPD shall be formatted in accordance with the applicable DoD-approved FFS and DEI.⁴
 - 1.6.1.1 Non-Cumulative Time Phased to Date. This refers to a CPD delivery with time phased historical data from contract award. The Government may request Historical Contract Performance Data in place of the normally provided CPD, typically no more than annually (specific encoding definitions of Historical Contract Performance Data can be found in the FFS and DEI).
 - 1.6.2 The Schedule shall be provided electronically as follows:
 - 1.6.2.1 The Schedule Performance Dataset (SPD) in accordance with the applicable DoD-approved FFS and DEI.
 - 1.6.2.2 The Native Schedule File consistent with the contractor's schedule tool (e.g., MPP, XER). The Data Dictionary shall be included as part of the contractor's Native Schedule File, or in a human-readable file format (e.g., PDF, XLSX, DOCX), containing searchable text, in accordance with the contractor's internal system description.
 - 1.6.3 The Performance Narrative Report (Executive Summary and Detailed Analysis) shall be provided electronically in the contractor's human-readable file structure (e.g., DOCX, PDF), containing searchable text.
 - 1.7 Signatures. The contractor's program manager or designee shall sign the final Performance Narrative Report or a separate signature page to note the completion of the data submission. This signature confirms the information reported in all of the provided components is authoritative and used by the contractor to manage the program. Electronic signatures are acceptable.
 - 1.7.1 Proprietary Disclosure Statement. A company proprietary disclosure statement is required and shall be provided as part of the Performance Narrative Report submission or separate

² <https://www.acq.osd.mil/evm/>

³ Conversion utilities and tools can be found at: <https://www.acq.osd.mil/evm/>

⁴ <https://www.acq.osd.mil/evm/>

signature page and shall be notated in the CPD and SPD files. (Refer to CPD FFS 2.2.2 and SPD FFS 2.2.1)

- 1.8 Delivery Timing.
 - 1.8.1 Monthly Submission Requirement. IPMDAR data shall be required at least monthly. The reporting frequency shall be specified in the Contract Data Requirements List (CDRL). All reports shall reflect data from the same accounting period and shall be provided at any time after the close of the contractor's accounting period, but no later than sixteen (16) business days after the contractor's accounting period end date.
 - 1.8.1.1 Incremental Delivery. Reports may be provided incrementally, including preliminary data, with the number of days for delivery of each submittal tailored in the CDRL. Data delivered is not considered authoritative until the final submission and signature. The recommended incremental delivery process is the Schedule, followed by the CPD and the Executive Summary, Government review of submittals, Government directed Detailed Analysis, Contractor Detailed Analysis delivery and all final data.⁵

2. DOCUMENT REQUIREMENTS:

- 2.1 Data Submission. The IPMDAR shall be provided to the ADA EVM-CR. The EVM-CR will only accept unclassified, proprietary, and non-proprietary data from programs and contracts that have EVM reporting requirements, regardless of a program's Acquisition Category (ACAT) designation or a contract's value.
- 2.2 Common Heading Information. This section shall provide information for metadata fields that are common across the datasets. (Refer to CPD FFS 2.2.2 and SPD FFS 2.2.1)
 - 2.2.1 Contractor. Provide the reporting contractor's name, division (if applicable), facility location, mailing address, and Commercial and Government Entity (CAGE) or Data Universal Numbering System (DUNS) code.
 - 2.2.2 Contract. Provide the contract name (e.g., Low Rate Initial Production (LRIP) Lots 1-4), contract number, contract type, and applicable effort name (e.g., LRIP 1, Contract Line Item Number 1, Task 1). Effort name shall refer to the subdivision of reporting below the contract level.
 - 2.2.3 Program. Provide the program name, or enter the type, model, and series or other military designation of the prime item or items purchased on the contract. The program phase (e.g., development, production) shall also be provided.
 - 2.2.4 Report Period. Identify the current period covered by the reported data.
- 2.3 Contract Performance Dataset (CPD). This section shall include the following:
 - 2.3.1 Heading Information. This section shall provide information for metadata fields that are resident in the CPD. All values provided in the Heading Information shall be reported in dollars, and shall include the following: (Refer to CPD FFS 2.2.4)
 - 2.3.1.1 Negotiated Contract Cost (NCC). The NCC shall not contain profit or fee, the estimated value of undefinitized change orders (known as AUW), or cost growth (overrun) above the original estimated cost.

⁵ Reference the IPMDAR Implementation Guide for an example of the incremental delivery timeline.

- 2.3.1.2 Estimated Cost of AUW. Provide the total dollar value (excluding fee or profit) of the approved work scope associated with AUW. AUW is a contract scope change that is directed by the Government contracting officer, but has not yet been fully negotiated/definitized.
- 2.3.1.3 Target Fee. Provide the applicable fee that applies to the NCC.
- 2.3.1.4 Target Price. Provide the target price (NCC plus target fee) applicable to the definitized contract effort.
- 2.3.1.5 Estimated Price. Provide the estimated final contract price. The estimated price shall be based on the contractor's Most Likely Estimate at Completion (EAC) for all authorized work, including: the appropriate fee, incentive, and cost sharing provisions.⁶
- 2.3.1.6 Contract Ceiling. Provide the contract ceiling price applicable to the definitized effort. This is only applicable to contracts with a ceiling.
- 2.3.1.7 Estimated Contract Ceiling. Provide the estimated ceiling price applicable to all authorized contractual efforts including both definitized and undefinitized efforts. This is only applicable to contracts with a ceiling.
- 2.3.1.8 Program Management EACs. These values represent the contractor program manager's EACs which may differ from Performance Measurement Baseline (PMB) EAC provided in 2.3.2.2.4.1 due to risk, opportunities, and other identifiable factors and executive insight.
- 2.3.1.8.1 Best Case EAC. Provide the contractor program manager's Best Case EAC, defined as the best case scenario for the estimate of costs to complete all work on the program.
- 2.3.1.8.2 Worst Case EAC. Provide the contractor program manager's Worst Case EAC, defined as the worst case scenario for the estimate of costs to complete all work on the program.
- 2.3.1.8.3 Most Likely EAC. Provide the contractor program manager's Most Likely EAC, defined as the value that the contractor's management believes is the most possible outcome based upon the estimate of costs to complete all work on the program.
- 2.3.1.9 Original NCC. Provide the dollar value (excluding fee) negotiated in the original contract.
- 2.3.1.10 Contract Budget Base (CBB). Provide the CBB. The CBB shall be defined as the total amount of performance measurement budget that is allocated to contract work and is the sum of 2.2.1.1, NCC, and 2.2.1.2, Estimated Cost of AUW.
- 2.3.1.11 Total Allocated Budget (TAB). Provide the sum of all budgets allocated to the performance of the contractual effort (includes CBB and any additional performance measurement budget that may have been established if an OTB has been implemented).
- 2.3.1.12 Contract Start Date. Provide the date the contractor was authorized to start work on the contract, regardless of the date of contract definitization.
- 2.3.1.13 Contract Definitization Date. Provide the date the contract was originally definitized. If the contract is not definitized, the contract definitization date shall be left blank.
- 2.3.1.14 Baseline Completion Date (previously known as Planned Completion Date). Provide the completion date for which the budgets allocated in the PMB have been planned. This date represents the planned completion of all efforts on the contract and shall reflect the time to complete the work scope.

⁶ This number shall reconcile with the estimated price in the Contract Funds Status Report (CFSR), as applicable.

- 2.3.1.15 Contract Completion Date. Provide the contract completion date in accordance with the latest contract modification.
- 2.3.1.16 Forecast Completion Date (previously known as Estimated Completion Date). Provide the contractor program manager's latest forecast completion date. This date represents the projected completion of all effort on the contract, consistent with the Schedule forecast completion date. This date shall be consistent with the Most Likely EAC.
- 2.3.1.17 Over Target Baseline/Over Target Schedule (OTB/OTS) Date. Provide the first report date that all reprogramming adjustments were fully incorporated in the PMB, if applicable.
- 2.3.1.18 Calculated Values. The following values are calculated and are not reported separately.
- 2.3.1.18.1 Negotiated Contract Changes. Provide the total cost (excluding fee) of all definitized contract changes which shall be defined as changes that have occurred since definitization of the original contract and is the difference between 2.2.1.1 (NCC) and 2.2.1.9 (Original NCC).
- 2.3.2 Performance Data. The data provided in the CPD shall be reported in both dollars and hours unless tailored in the CDRL.
- 2.3.2.1 Structures. The following items shall be represented in the CPD structures. These structures are encoded as tables as described in the DEI.
- 2.3.2.1.1 Work Breakdown Structure (WBS). Provide the contractor's WBS. (Refer to CPD FFS 2.2.10)
- 2.3.2.1.2 Organizational Structure. Provide the organizational categories that reflect the contractor's internal management structure. Organizational categories can reflect different organization types, such as functional or Integrated Product Team (IPT), and can be arranged in a hierarchical structure. (Refer to CPD FFS 2.2.11)
- 2.3.2.1.3 Control Accounts.
- 2.3.2.1.3.1 Provide the list of control accounts established at the intersection of the WBS and organizational structure. Control accounts shall be traceable to the WBS and organizational structure, such that each control account is associated with a single WBS element and a single organizational structure element. (Refer to CPD FFS 2.2.12)
- 2.3.2.1.4 Work Packages. If work package data is required by the CDRL, work packages shall be traceable to the associated control accounts. A work package is the point at which work is planned, progress is measured, and earned value is computed. (Refer to CPD FFS 2.2.15)
- 2.3.2.1.5 Subcontractors. Efforts being conducted by major subcontractors shall be clearly marked as such in the organizational structure. Subcontractors with an EVM flow down requirement shall be considered major subcontractors. (Refer to CPD FFS 2.2.9)
- 2.3.2.1.6 Reporting Calendar. Provide the list of reporting periods for which detail data is reported. The reporting calendar shall span the time-phasing of the entire baseline and forecast. Accounting period start and end dates and working hours shall be included. (Refer to CPD FFS 2.2.18)
- 2.3.2.1.7 Planning Packages. If planning package data is required by the CDRL, it shall be identified separately from work packages in the appropriate structure. A planning package is a logical aggregation of future work within a control account that cannot yet be planned in detail at the work package or task level. (Refer to CPD FFS 2.2.15)

- 2.3.2.1.8 Summary Level Planning Packages (SLPP). If applicable, identify summary level planning packages separately from control accounts. SLPPs are aggregations of work for far-term efforts that are not yet able to be identified at the control account level, but are traceable to WBS and organizational structure elements. (Refer to CPD FFS 2.2.12)
- 2.3.2.2 Summary Data. The following items shall be represented in the CPD at a summary level.
 - 2.3.2.2.1 Indirect Costs are costs that cannot be identified specifically against a particular program or activity, and must be controlled and budgeted at a functional or organizational level. Indirect Costs shall be reported as both cumulative-to-date and time phased non-cumulative-to-complete data. (Refer to CPD FFS 2.2.5, 2.2.7, and 2.2.8)
 - 2.3.2.2.1.1 Cost of Money (COM). Provide summary-level performance data for the Facilities Capital COM allocated to the contract. Indicate “add” or “non-add” status of summary-level values. “Non-add” means detail dollar values include burdening for COM; “add” means detail dollar values do not include burdening for COM.
 - 2.3.2.2.1.2 General and Administrative (G&A). Provide summary-level performance data for the applicable G&A costs. Indicate “add” or “non-add” status of summary-level values. “Non-add” status means detail dollar values include burdening for G&A; “add” status means detail dollar values do not include burdening for G&A.
 - 2.3.2.2.1.3 Overhead (OH). Provide summary-level performance data for the sum of all indirect costs, excluding COM and G&A. Indicate “add” or “non-add” status of summary-level values. “Non-add” status means detail dollar values include burdening for OH; “add” status means detail dollar values do not include burdening for OH.
 - 2.3.2.2.2 Undistributed Budget (UB). (Refer to CPD FFS 2.2.5)
 - 2.3.2.2.2.1 Provide the amount of budget applicable to contract work scope that has not yet been distributed in the baseline per the contractor’s EVM system description.
 - 2.3.2.2.2.2 Provide the EAC for the scope of work associated with UB.
 - 2.3.2.2.3 Management Reserve (MR). Provide the value of the contractual budget held for management control purposes, risks, and unplanned in-scope effort. (Refer to CPD FFS 2.2.5)
 - 2.3.2.2.4 Summary Cross-Check Data. Non-calculated, hard encoded (manually entered) summed values used as a validation reference for calculated values. (Refer to CPD FFS 2.2.5)
 - 2.3.2.2.4.1 Provide the PMB subtotals for cumulative-to-date values for Budgeted Cost of Work Scheduled (BCWS), Budgeted Cost of Work Performed (BCWP), Actual Cost of Work Performed (ACWP), and Reprogramming Adjustments (Cost Variance, Schedule Variance, and Budget), as well as total values for EAC and Budget at Complete (BAC). The values provided shall be inclusive of the cumulative totals for UB, OH, G&A, and COM. All values shall be provided in both dollars and hours, as appropriate.
- 2.3.2.3 Detail Data. Detail data shall be comprised of the BCWS, BCWP, ACWP, and Estimate to Complete (ETC), reported by control account unless reporting by work package level is specified in the CDRL. Detail Data shall be identified by Element of Cost (EOC), and shall consist of Labor, Material, Other Direct, and Subcontractor costs. Detail Data is reported as both cumulative-to-date and time-phased-to-complete data.

- 2.3.2.3.1 Cumulative-To-Date Data. Cumulative-to-date values shall be provided for BCWS, BCWP, and ACWP. (Refer to CPD FFS 2.2.19, 2.2.20, and 2.2.21)
- 2.3.2.3.2 Time-Phased-To-Complete Data. To-complete data shall be provided for both BCWS and ETC as time-phased non-cumulative values. BCWS values shall be time-phased by reporting period starting with the next consecutive reporting period and continue through the end of the Baseline Completion Date. ETC values shall be time-phased by reporting period starting with the next consecutive reporting period and continuing through the end of the Forecast Completion Date. (Refer to CPD FFS 2.2.22 and 2.2.23)
- 2.3.2.4 Calculated Values. The following values are calculated.
 - 2.3.2.4.1 Cost Variances. The cost variances are calculated by subtracting ACWP from BCWP values.
 - 2.3.2.4.2 Schedule Variances. The schedule variances are calculated by subtracting BCWS from BCWP values.
 - 2.3.2.4.3 Budget at Completion (BAC). In addition to the manually entered summary cross check value, the BAC values are calculated by summing the BCWS values.
 - 2.3.2.4.4 Estimate at Completion (EAC). In addition to the manually entered summary cross check value, the EAC values are calculated by summing the ACWP and ETC values.
 - 2.3.2.4.5 Variance at Completion (VAC). The VAC values are calculated by subtracting the EAC from the BAC values.
 - 2.3.2.4.6 Hierarchical Totals. The values associated with the WBS and organizational structure are calculated by summing the data provided at the control account or work package level (if applicable).
- 2.3.2.5 Contract Performance Over Target Baseline (OTB) and/or Over Target Schedule (OTS) Data Elements. (Refer to CPD FFS 2.2.24)
- 2.3.2.5.1 Cost Variance Adjustments. If the contractor adjusts or eliminates variances applicable to completed work, the adjustments made to the cost variances shall be provided by control account. Note: adjustments made shall be reported as amounts added to the old variances to reach the new variances (or to eliminate the variances, as applicable).
- 2.3.2.5.2 Schedule Variance Adjustments. If the contractor adjusts the schedule variances for completed work, the adjustments made to the schedule variances shall be provided by control account. Note: adjustments made shall be reported as amounts added to the old variances to reach the new variances (or to eliminate the variances, as applicable).
- 2.3.2.5.3 Budget Adjustments. Provide the total amounts added to the budget, consisting of the sum of the budgets used to adjust variances applicable to completed work, plus the additional budget added for remaining work.
- 2.3.2.5.4 Programming Adjustments. The values provided shall represent cumulative adjustments for all previous and current reprogramming adjustments, in hours or dollars or both. If a reprogramming adjustment has occurred, it must be reported in all future reports.
- 2.3.2.5.5 Formal Reprogramming Timeliness. Formal reprogramming can require more than one month to implement. During formal reprogramming, reporting shall continue, at a minimum, to include ACWP, and the latest reported cumulative BCWS and BCWP will be maintained until the OTB/OTS is implemented.

- 2.4 Schedule (Native Schedule File and Schedule Performance Dataset (SPD)). Unless otherwise specified, all items below pertain to both the Native Schedule File and SPD.
 - 2.4.1 Requirements.
 - 2.4.1.1 Content. The Schedule consists of horizontally and vertically integrated discrete tasks/activities, consistent with all authorized work, and relationships necessary for successful contract completion. The Schedule is a single integrated network that also contains significant external interfaces, subcontractor discrete work, Government furnished equipment/ information/property and relationship dependencies for the entire contractual effort.
 - 2.4.1.1.1 Production Contract Schedule. Production contracts utilizing a Manufacturing Requirements Planning (MRP) or an Enterprise Requirements Planning (ERP) system will include a representation of the discrete effort contained in the MRP/ERP in the Production Contract Schedule.
 - 2.4.1.2 External Interfaces. The Schedule shall contain and identify significant external dependencies that involve a relationship or interface with external organizations, including Government-furnished items (e.g., decisions, facilities, equipment, information, and data). The required and projected delivery dates shall also be identified.
 - 2.4.1.3 Calendars. The Schedule shall contain all calendars that define working and nonworking time periods. (Refer to SPD FFS 2.2.6, 2.2.7, and 2.2.8)
 - 2.4.1.4 Schedule Progress. The schedule shall reflect accurate remaining durations, start dates, and finish dates for all tasks/activities and milestones with respect to the status date. (Refer to SPD FFS 2.2.10)
 - 2.4.2 Required Content. The following items shall be represented in the Schedule:
 - 2.4.2.1 If a Statement of Work (SOW) or Integrated Master Plan (IMP) are used for vertical schedule integration, those references shall be provided in both the SPD and native schedule. (Refer to SPD FFS 2.2.9)
 - 2.4.2.2 Milestones. Provide zero duration schedule events marking the due date for accomplishment of a specified work scope or objective. Milestone may mark the start, an interim step, or the end of one or more activities. (Refer to SPD FFS 2.2.9)
 - 2.4.2.3 Tasks/Activities. Provide elements of work with duration and logical relationships/dependencies. Task/activity names shall be concise and unique in respect to other names within the Schedule. The name of each task/activity shall clearly reflect the scope, output (e.g., deliverable), and place within the Schedule architecture so that the content can be understood without the subproject task structure, if applicable. (Refer to SPD FFS 2.2.9)
 - 2.4.2.4 Duration. Provide the length of time estimated, realized, and/or remaining to accomplish a task/activity. (Refer to SPD FFS 2.2.10)
 - 2.4.2.5 Baseline Dates and Information. Provide baseline dates for all items within the PMB. (Refer to SPD FFS 2.2.3 and 2.2.10)
 - 2.4.2.6 Control Account/Work Package Identification. (Refer to SPD FFS 2.2.9)
 - 2.4.2.6.1 Every discrete task/activity, work package, and planning package shall be traceable to a control account.

- 2.4.2.6.2 Control accounts and, if applicable, work packages, planning packages, and SLPPs shall tie to the CPD.
- 2.4.2.7 Level of Effort (LOE) Identification. If tasks/activities within an LOE work package are included in the Schedule, clearly identify them. (Refer to SPD FFS 2.2.9, field EarnedValueTechniqueID)
- 2.4.2.8 Schedule Percent Complete. Provide the calculated and, if applicable, physical schedule percent complete values. (Refer to SPD FFS 2.2.10)
- 2.4.2.8.1 The calculated schedule percent complete is a time-based status calculated by the schedule tool without regard to task/activity scope accomplishment. This is not used to status BCWP (i.e., depicts the “time” percent complete based on the forecast completion date, not earned value percent complete based on work accomplished).
- 2.4.2.8.2 The schedule physical percent complete is based on actual task/activity scope accomplishment.
- 2.4.2.9 Earned Value Technique (EVT). Identify the EVT (e.g., apportioned effort, level of effort, milestone). (Refer to SPD FFS 2.2.9)
- 2.4.2.10 Total Float/Slack. Provide the amount of time a task/activity or milestone forecast finish date can slip before delaying contract completion or constraint date. (Refer to SPD FFS 2.2.10)
- 2.4.2.11 Free Float/Slack. Provide the amount of time a task/activity or milestone can slip before it delays any of its successor tasks/activities or milestones. (Refer to SPD FFS 2.2.10)
- 2.4.2.12 Driving Path(s). The driving path(s) shall be clearly identified in the Schedule. (Refer to SPD FFS 2.2.10)
- 2.4.2.12.1 The Government may specify which interim contract milestone is the destination for the driving path.
- 2.4.2.12.2 Without Government direction, the contractor will report the driving path to the next contractor identified event.
- 2.4.2.13 Critical Path(s). Shall be clearly identified in the Schedule. (Refer to SPD FFS 2.2.10)
- 2.4.2.14 Subcontractor Tasks. Identify the tasks that are unique to the scope of a major subcontractor, if any. (Refer to SPD FFS 2.2.9)
- 2.4.2.15 Risk Mitigation Tasks. Both the Native Schedule and the SPD delivery shall identify items that came from the Risk/Opportunity Management System and include authorized risk mitigation activities, as applicable. (Refer to SPD FFS 2.2.9, field TaskSubtypeID)
- 2.4.2.16 Schedule Visibility Tasks (SVT). If SVTs are used, clearly and consistently identify all SVTs. (Refer to SPD FFS 2.2.9, field TaskSubtypeID)
- 2.4.2.17 Lead/Lag. Provide the durations of leads or lags between predecessor and successor tasks. Justification for each lead/lag shall be included in both the Native Schedule and the SPD. (Refer to SPD FFS 2.2.13)
- 2.4.2.18 Constraints. Identify the constraints applied to tasks. Justification for each constraint shall be included in the Native Schedule and SPD submissions. (Refer to SPD FFS 2.2.13)
- 2.4.2.19 Schedule Margin. If Schedule Margin is used, clearly and consistently identify all schedule margin tasks. (Refer to SPD FFS 2.2.9, field TaskSubtypeID)

- 2.4.2.19.1 Use schedule margin only as the last task before key contractual events, significant logical integration/test milestones, end item deliverables, or contract completion.
- 2.4.2.19.2 Explain changes to the status of schedule margin tasks that impact the program's primary critical path in the Detailed Analysis section of the Performance Narrative Report. See the Detailed Analysis table in Section 2.4.3 for additional information.
- 2.4.2.20 Data Dictionary for Native Schedule File. Provide a list of all contractor defined fields, definitions, and code structures used within the Native Schedule File. The Data Dictionary shall be delivered with the initial submission of the Native Schedule File and resubmitted with subsequent submissions if changes occur to the Data Dictionary, or upon request.
- 2.4.2.21 Schedule Risk Assessment (SRA). SRAs are required prior to an IBR, implementation of an OTB or OTS, and as specified in the contract. The inputs (e.g., three-point estimates) from the most recent SRA shall be provided in the Native Schedule File submission. Results of the SRA shall be discussed in the Performance Narrative Report.
- 2.4.3 Optional Content. If required by the CDRL, the following items shall be represented in the Schedule.
 - 2.4.3.1 Custom/User-Defined Fields. Custom/user-defined fields may be required for specific information not otherwise included in the Schedule. (Refer to SPD FFS 2.2.4, 2.2.5, 2.2.11, and 2.2.12)
 - 2.4.3.2 Resources. Resource loading may be required as part of the Schedule in either the Native Schedule File, or both the SPD and Native Schedule File. (Refer to SPD FFS 2.2.16, 2.2.17, 2.2.18, and 2.2.19)
- 2.5 Performance Narrative Report. The Performance Narrative Report is comprised of the Executive Summary and the Detailed Analysis. The Executive Summary and the Detailed Analysis shall reflect both dollars and hours where applicable or as specified in the CDRL. The Government may request additional specific and/or clarifying information in the following month's report.
 - 2.5.1 Delivery Options. Delivery of the Performance Narrative Report is either Incremental Delivery or Single Delivery.
 - 2.5.1.1 Incremental Delivery. The Performance Narrative Report is delivered in the increments as defined in Section 1.8.1.1. The Executive Summary will be delivered with the CPD file. The Detailed Analysis shall be delivered no later than the final delivery date as specified in the CDRL.
 - 2.5.1.2 Single Delivery. The Executive Summary and Detailed Analysis report are delivered as defined in Section 1.8.1 against a standard agreed-upon set of criteria or as specified in the CDRL.
 - 2.5.2 Executive Summary. The Executive Summary shall address items listed below. The Executive Summary of the Performance Narrative Report is required regardless of monthly variance reporting selection direction.
 - 2.5.2.1 Program/Contract Overview. A brief paragraph containing the program/contract description, PoP, contract value, and contract type (including share ratio, if applicable, and estimated price).

- 2.5.2.2 Contract Performance Overview. Overview of contract performance to include an integrated schedule, cost, and technical performance summary. Significant differences in the CPD and the SPD shall be reconciled and explained in the Executive Summary section of the Performance Narrative Report. Include potential impacts and drivers to the Most Likely EAC, contract objectives, and/or PoP, as well as any corrective actions underway, and provide the following as applicable:
 - 2.5.2.2.1 Contract Modifications. Summary of major contract modifications since last report.
 - 2.5.2.2.2 Integrated Baseline Review. The date the most recent IBR was completed along with a statement of achievability/executability and the dates of upcoming IBRs if applicable.
 - 2.5.2.2.3 Formal Reprogramming Analysis (OTB/OTS). Information on OTB/OTS to include date of request and rationale, decision status of OTB/OTS request, impact to IPMDAR submissions, and implementation status. If there have been multiple OTBs/OTSs, track and discuss them separately.
- 2.5.2.3 Contractor Program Manager's Cost and Schedule Forecast. Stability and realism of contractor program manager's Most Likely, Best Case, and Worst Case EAC and schedule forecast to major milestones in the context of major risks, opportunities, and drivers from prior report.
- 2.5.2.4 Associated Information. If requested or specified in the CDRL, provide additional information of interest to the program and/or summary level information to amplify and explain data provided within the IPMDAR.
- 2.5.3 Detailed Analysis. The Detailed Analysis section for the Performance Narrative Report shall address items included in the Detailed Analysis Table, following Section 2.4.3.5.
 - 2.5.3.1 Variance Analysis Reporting Level. The default reporting level for variance analyses shall be at the control account level unless a higher level is specified in the CDRL.
 - 2.5.3.2 Variance Analysis Categories. The list of requested items for variance analysis will draw from any combination of the following points of variance:
 - 2.5.3.2.1 Cost Variances (CV) (Current Period and Cumulative). Provide explanations that clearly identify the root cause, impact, and mitigation plan for the cost variance. If the cost variance cannot be mitigated, this must be stated and explained.
 - 2.5.3.2.2 Schedule Variances (SV) (Current Period and Cumulative). Provide explanations that clearly identify the root cause, impact, and mitigation plan for the schedule variance. If the schedule variance cannot be mitigated, this must be stated and explained.
 - 2.5.3.2.3 Variances at Completion (VAC). Provide explanations that clearly identify the root cause, impact, and mitigation plan for the VAC. If the VAC cannot be mitigated, this must be stated and explained.
 - 2.5.3.3 Variance Analysis Reporting Requirements. See Detailed Analysis Table following Section 2.4.3.5 for reporting requirements.
 - 2.5.3.4 Variance Analysis Selection. The selection of control account candidates for variance analysis reporting may occur in one of the three following methods as specified in the CDRL:

- 2.5.3.4.1 Government Identified Control Account Variance. The Government, upon review of the incrementally delivered Contract Performance and Schedule Datasets and Executive Summary, will identify the specific control accounts requiring variance analysis. The use of this method is limited to incremental delivery.
- 2.5.3.4.2 Government Specified Variance Analysis Thresholds. The Government shall establish thresholds for cost, schedule, and at completion variances in the CDRL. Each month the variances for the control account are compared to the thresholds. Control account variances that exceed the thresholds are selected and reported. The reportable control account variances may be further limited by a specific number and category (VAC, SV, and CV). Variance analysis thresholds will be reviewed periodically and adjusted as necessary to ensure they continue to provide appropriate insight and visibility to the Government. This method may be used for either incremental or single delivery.
- 2.5.3.4.3 Specific Number of Control Account Variances. The Government shall identify a specific number of control account variances and categories (VAC, SV, and CV) to report monthly. The number will be reviewed periodically and adjusted as necessary to ensure they continue to provide appropriate insight and visibility to the Government. This method may be used for either the incremental or single delivery.
- 2.5.3.5 Default Variance Reporting. In absence of Government direction for monthly variance analysis, the contractor will provide variance analyses by control account in any combination (SVcur, SVCum, CVcur, CVCum, VAC), based upon the contractor's assessment of performance drivers and risk, consistent with the contractor's internal variance analysis processes. The Executive Summary of the Performance Narrative Report is required regardless of monthly variance reporting selection direction.

Table 2.1 – Detailed Analysis Table – Required Elements	
Topic	Description
<i>Variances at Control Account Level</i>	<i>Provide the root cause, impact, and mitigation plan for variance analyses at the control account level.</i>
<i>Management EACs (Best, Most Likely, Worst)</i>	<i>Explain the assumptions, conditions, methodology, incorporation of risks/opportunities, and MR and UB assumptions for all three Management EACs (Best, Most Likely & Worst Case). Discussion shall include an assessment of the IMS status and the impact of schedule to the Most Likely EAC. Include any differences between the Most Likely EAC and CBB. Provide a brief explanation of difference(s) if the Best or Worst Case EACs differ from the Most Likely EAC, or if the Most Likely EAC differs from the PMB EAC. Provide the month the last Comprehensive EAC (CEAC) was performed, as well as the month the next CEAC is projected to be performed.</i>
<i>Baseline Changes</i>	<i>Changes to cost/schedule baseline; shifts in time phasing, changes in total budget, retroactive changes, and content changes.</i>
<i>UB Analysis</i>	<i>Identify the components of the UB as of the current reporting period and the estimated data month the components will be distributed from UB. Discuss changes, if any, from the previous IPMDAR.</i>
<i>MR Analysis</i>	<i>Identify the changes to or the allocation of MR during the reporting period by control account and provide a brief explanation for MR value change or allocation.</i>
<i>Critical Path</i>	<i>Narrative describing changes impacting the critical path(s) to the selected program end milestone with mitigation plan.</i>
<i>Driving Path</i>	<i>Destination of driving path, narrative describing changes impacting the driving path(s) to the selected tasks/milestones with mitigation plan.</i>
<i>Schedule Margin</i>	<i>If used, task(s) and duration(s) associated with schedule margin and explanation of schedule margin change from prior report.</i>
<i>Schedule Risk Assessment (SRA)</i>	<i>Dates of SRA, results of most recent SRA including assumptions, probability of result, analysis of results, and actions taken as a result of the analysis. Changes to schedule and Most Likely EAC based on SRA results.</i>
Items listed in this table are required for all contracts with IPMDAR requirement. The frequency for each item shall be monthly unless otherwise annotated in Block 16 of the CDRL and may be identified with a periodicity that meets management needs.	

Table 2.2 – Detailed Analysis Table – Tailorable Elements	
Topic	Description
<i>Staffing Changes</i>	<i>Major changes to staffing (reported by organization) and reasons for changes, major risks in staffing projections with explanation of impact(s)</i>
<i>Major Subcontractors/ Supplier Changes</i>	<i>Identification of major subcontractors with EVM flowdown requirements to include those not yet definitized</i>
<i>Rates</i>	<i>Identify impact of rate changes to EAC and/or MR at the contract level</i>
<i>Schedule Health</i>	<i>Results of any internal schedule health analysis</i>
<i>Supplemental Information</i>	<i>Summary level information to amplify and explain data provided within the IPMDAR</i>
Block 16 of the CDRL shall identify any additional tailored in items listed in this table. The frequency for each item shall be annotated in Block 16 of the CDRL and may be identified with a periodicity that meets management needs.	

End of DI-MGMT-81861C

DATA ITEM DESCRIPTIONForm Approved
OMB No. 0704-0188
Exp. Date: Jun 30, 1986**1. TITLE**

Pest Control Summary Report

2. IDENTIFICATION NUMBER

DI-MISC-80228

3. DESCRIPTION/PURPOSE

3.1 The Pest Control Summary Report consists of information on the site Pest Management Program and pesticide use.

**4. APPROVAL DATE
(YYMMDD)**

860908

5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)

F/AFSPACECOM-DEPV

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

7.1 This data item description contains the format and content preparation instructions for the data product generated by the specific and discrete task requirements for this data included in the contract.

7.2 This data item is applicable to O&M contracts requiring pest control.

7.3 This data item supersedes DI-H-30251.

8. APPROVAL LIMITATION**9a. APPLICABLE FORMS**

DD Form 1532

9b. AMSC NUMBER

F3948

PREPARATION INSTRUCTIONS

10.1 Contract. This data item is generated by the contract which contains a specific and discrete work task to develop this data product.

10.2 Format. This report shall be prepared on DD Form 1532, Pest Management Report. Instructions for preparation are given on the form.

10.3 Content. Report shall include the data indicated below:

a. Target Pest. Indicate name of pest.

b. Operation Location and Area. Include treated area location, total units treated, unit, and site.

c. Pesticide. Include name of pesticide, form, application amount and unit, final concentration, rate, supply source and time.

DATA ITEM DESCRIPTIONForm Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS.

1. TITLE

Scientific and Technical Reports

2. IDENTIFICATION NUMBER

DI-MISC-80711A

3. DESCRIPTION/PURPOSE

3.1 Scientific and Technical Reports document and disseminate the precise nature and results of analytical studies, research, development, test and evaluation (RDT&E) on an assigned task(s) to the analytical, scientific, technical and management community. Scientific and Technical Reports, may be definitive for the subject presented, exploratory in nature, or an evaluation of critical subsystem or of technical problems.

4. APPROVAL DATE
(YYYYMMDD)

20000121

5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)

L/DD

6a. DTIC APPLICABLE

X

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

7.1 This DID contains the format requirements and preparation instructions for the information product generated by the specific and discrete task requirement as delineated in the contract.

7.2 This DID is applicable to the elements, organization and design of technical publications.

7.3 This DID supersedes UDI-S-23272C, DI-S-4057, DI-S-3591A, and DI-MISC-80711.

7.4 Defense Technical Information Center (DTIC), 8725 John J. Kingman Rd., Ste. 0944, Ft. Belvoir, VA 22060-6218

8. APPROVAL LIMITATION**9a. APPLICABLE FORMS**

SF 298

9b. AMSC NUMBER

L7382

10. PREPARATION INSTRUCTIONS

10.1 Reference document. 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.

10.2 Document format shall be in accordance with ANSI/NISO Z39.18 Scientific and Technical Reports -- Elements, Organization, and Design.

10.3 Document content shall be clearly written, describe accomplishments and other facts adequately with no technical errors, and be acceptable for release. If marked unclassified, unlimited, they should be accompanied by a letter certifying that the documents have been cleared for public release and sale, to include foreign nationals.

11. DISTRIBUTION STATEMENT

Distribution Statement A: Approved for public release; distribution is unlimited.

DATA ITEM DESCRIPTION

Title: Test Plan

Number: DI-NDTI-80566A

AMSC Number: 7639

DTIC Applicable: No

Office of Primary Responsibility: NS/DA02

Applicable Forms: N/A

Approval Date: 14 Nov 2006

Limitation: N/A

GIDEP Applicable: No

Use/relationship: The Test Plan outlines the plans and performance objectives at every level of testing on systems or equipment. It provides the procuring activity with the test concept, objectives and requirements to be satisfied, test methods, elements, responsible activities associated with the testing, measures required and recording procedures to be used.

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

This DID is applicable to system and equipment tests that include design evaluation tests, engineering tests, preliminary qualification tests, formal qualification tests, human factors tests, operational tests and acceptance tests.

This DID supersede DI-NDTI-80566.

Requirements:

1. Reference documents. None.
2. General. The test plan shall document in detail the contractor's plan for conducting tests and analyzing the test results to show how the system, when fielded, will satisfy the requirements of the applicable design specification.
3. Format: The plan shall be in contractor's format.
4. Contents. The plan shall contain the following:
 - 4.1 Title page. The title page shall include the following:
 - a. Title of the test to be conducted.
 - b. Identification of system being tested.
 - c. Contractor's name.
 - d. Contractor number.

- e. Security classification.
- f. Distribution statement.

4.2 Introduction. Consists of an overview of the objectives of the test plan, including flow diagrams, milestones, personnel participation, locations, schedules, and security measures to be observed. The plan shall include the following:

4.3 Flow diagrams. The flow diagrams will reflect a functional description of the test program using a block diagram portrayal of the functions that must be met to satisfy the total test program. Functions shall be numbered 1.0, 2.0, 3.0, etc.

4.4 Milestones. Identifies the start and expected completion dates of each test to be performed.

4.5 Participation. Identifies the government and contractor participation roles and responsibilities.

4.6 Location. Identifies the facilities where the testing will be performed.

4.7 Schedule. States when testing will be performed, whether testing is on schedule, and if not, what procedures will be taken to meet the schedule.

4.8 Security. Identify and state briefly any security measures or guidelines to be observed.

4.9 Master test list. Lists all tests to be accomplished in the order they are to be performed. A separate listing for each location shall be provided. Each listing shall include the following:

4.9.1 Test description. Name and brief description of test to be performed.

4.9.2 Applicable specification (s). The specifications shall be identified as follows:

- a. Title and identification number.
- b. Paragraph number associated with the tests.
- c. Title of test.
- d. Functional category of test.

4.9.3 Parameters. The number of cycles the test will be performed and selected parameters to be observed.

4.9.4 Special tests. Provides a list of special or unusual tests and examination necessary to verify satisfactory equipment performance to specifications.

4.9.5 Test classification category. State the functional area of each test performed.

4.9.6 Test objectives. Describes the objectives of each test performed, including the criteria, baseline, duration, and number of times each test should be performed.

- a. Success/failure criteria.
- b. Baseline.
- c. Duration.
- d. Quantity of test.

4.9.7 Test equipment. List all equipment to be used in the test and identify as follows:

- a. Description.
- b. Nomenclature.
- c. Serial number.

4.9.8 Support equipment. List all support equipment that will be used to perform the tests and identify as follows:

- a. Description.
- b. Nomenclature.
- c. Serial number.
- d. Calibration constants.
- e. Calibration procedures.
- f. Operating instructions.

4.9.9 Special test equipment. List all special test equipment required to be designed or fabricated for use on the program as follows:

- a. Description.
- b. Nomenclature.
- c. Data required.

4.9.10 Approach. Describe the steps used to perform each test.

4.9.11 Instrumentation. Indicates the type and recording devices that will be used and the number and types of parameters to be recorded.

4.9.12 Data reduction and analysis. Describes data to be recorded and the data reduction and analysis techniques that will be used to interpret the data.

4.9.13 Government test facilities. Identifies applicable facility and includes a reference to the appropriate facility requirements documents.

Validation procedure. An overview of the procedures that the contractor will use to validate the test results.

5. END OF DI-NDTI-80566A

DATA ITEM DESCRIPTION

Title: CALIBRATION AND MEASUREMENTS REQUIREMENTS SUMMARY (CMRS)

Number: DI-QCIC-80278C

Approved Date: 20170123

AMSC Number: F9765

Limitation: N/A

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 36

Project Number: QCIC-2016-003

Applicable Forms: N/A

Use/Relationship: The Calibration and Measurements Requirements Summary (CMRS) details the measurement requirements of the system, subsystem, or equipment; the Test, Measurement, and Diagnostic Equipment (TMDE); and the calibration standards and equipment required to assure traceability of all measurements through the individual military department metrology and calibration programs to approved national standards. The summary identifies and validates the adequacy of TMDE and the need for calibration standards and equipment.

a. The CMRS DID satisfies the requirements of the 5000-series DoD directives; AFI 21-113, *Air Force Metrology and Calibration (AFMETCAL) Management*; AR 750-43, *Army Test, Measurement, and Diagnostic Equipment*; NAVELEX 4355.2 and MCO 4733.1B, *Marine Corps Test, Measurement, and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)*.

(Copies of DoD Directives are available online at <http://www.dtic.mil/whs/directives/index.html>; the AFI is available online at <http://www.e-publishing.af.mil/>; the AR is available online at <http://www.apd.army.mil>; the MCO is available online at <http://www.marines.mil/News>

b. This DID contains the format, content, and intended use information for the data deliverable resulting from the work task described in MIL-STD-1839, *Calibration and Measurement Requirements*, and is applicable to the acquisition of all military systems, subsystems and equipment.

(Copies of this document are available online at <http://quicksearch.dla.mil>.)

c. This DID supersedes DI-QCIC-80278B.

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.

2. Format. Contractor format is acceptable. The Summary Data Table shall be in electronic format using Access or Excel. Contact AFLCMC/WNMM/AFMETCAL/Technology Applications for sample formats, templates or related guidance.

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

3. Content. The CMRS shall document in detail the measurement requirements of the system, subsystem or equipment; the test, measurement and diagnostic equipment (TMDE); and the calibration standards and equipment required to assure traceability of all measurements to approved national standards. The data presented in the CMRS requires periodic updating to include changes in design, changes in engineering, changes required as a result of proposals (ECPs), etc., which affect system measurement requirements or TMDE. The CMRS shall ensure:

3.1 All operational system, subsystem and equipment calibration and measurement requirements are identified and traceable to the National Institute of Standards and Technology (NIST) or other DoD approved measurement sources.

3.2 All supporting TMDE identified are adequate to support the operational system, subsystem and equipment measurement requirements.

3.3 All supporting TMDE that require calibration are calibrated with calibration and measurement equipment of higher known accuracy.

3.4 Administrative information. Classified information shall not be listed in the CMRS. Classified parameters and information shall be addressed in a classified supplement or appendix and that document shall be appropriately controlled.

3.5 The CMRS shall be structured as follows:

- a. Cover page.
- b. Revision status.
- c. Introduction.
- d. Table of contents.
- e. List of abbreviations, symbols and acronyms.
- f. Table of Category II TMDE.
- g. Table of Category III calibration equipment and standards.
- h. Table of Category IV (if applicable) highest level of calibration standards.
- i. List of manufacturer's code to name (CAGE).
- j. Summary data table of contents.
- k. Summary data.

3.5.1 Cover page. The cover page (see sample CMRS, 3.6e below) shall include descriptive information such as system or program name, contract number, contractor's company name, current CMRS revision, date of submittal, Contract Data Requirements List (CDRL) number, etc.

3.5.2 Revision status. This section shall be included in the CMRS (see sample CMRS, 3.6e below). The initial CMRS submittal shall specify "original" on the revision status pages. Subsequent revisions shall be recorded on the cover page, in the revision status section and on pages affected by the revision. Other CMRS pages which are not affected by a revision shall not be resubmitted. Change bars on the revised CMRS pages may be used.

3.5.3 Introduction. This section (see sample CMRS, 3.6e below) contains general information, remarks or other information about the system, equipment or the CMRS which the preparer feels would be beneficial.

3.5.4 Table of contents. This table (see sample CMRS, 3.6e below) shall reflect the contents and page location numbers of each structural part of the CMRS identified in 3.5 (above).

3.5.5 List of abbreviations, symbols and acronyms. This list (see sample CMRS, 3.6e below) shall include all abbreviations, symbols and acronyms used in the CMRS with their meanings. Abbreviations shall be in accordance with ASME Y14.38, *Abbreviations and Acronyms for Use on Drawings and Related Documents*, where applicable.

(Copies of this document are available online at www.asme.org.)

3.5.6 Table of Category II TMDE. This table shall include an alphanumerical listing of the equipment identified in the Category II column of the summary data section. Items of TMDE that are component parts of test stations or other TMDE shall be shown as an indenture under the overall test station or TMDE. Calibration intervals shall be recommended if they are not already established or if a different interval is recommended other than those established in Air Force TO 33K-1-100-1, *Calibration Procedure for Maintenance Data Collection Codes and Calibration Measurement Summaries*, Army TB 43-180, *Calibration and Repair Requirements for the Maintenance of Army Materiel*, NAVAIR 17-35MTL-1 or Marine Corp TM-10510. The table shall include the following:

- a. TMDE model, type or part number.
- b. Nomenclature
- c. Commercial and Government Entity Code (five-digit CAGE Code)
- d. National Stock Number (NSN) if assigned.
- e. Calibration interval in months
- f. Calibration procedure applicable to contracting Military Department
- g. Support Equipment Recommendation Data (SERD) number, if assigned.
- h. Maintenance document applicable to contracting Military Department

3.5.7 Table of Category III calibration equipment and standards. This table shall include an alphanumerical listing of equipment identified in the Category III column of the summary data section. The table shall include the same type of information described in 3.5.6 a through h (above).

3.5.8 Table of Category IV (if applicable) calibration standards used for in-station transfer standards. This table shall include an alphanumerical listing of equipment identified in the Category IV column of the summary data section. The table shall include the same type of information described in 3.5.6 a through h (above).

3.5.9 List of manufacturers' code to name. This list (see sample CMRS, 3.6e below) shall contain the DoD assigned, five-digit CAGE code (reference DLA Cataloging website) and manufacturer's name for each equipment item identified in the CMRS.

3.5.10 Summary data table of contents. This table shall immediately precede the summary data section and shall reference the content number and hardware item for each system, subsystem and equipment entry shown in the summary data Category I column (see sample CMRS, 3.6e below).

3.5.11 Summary data. This section is an inline presentation of system, subsystem and equipment; TMDE; and calibration equipment and standards parameters which require measurement or calibration support (see sample CMRS, 3.6e below). The summary data are prepared as follows:

3.5.11.1 Category I operational equipment. These columns are for displaying the description, function, operational range or value and accuracy and test interval of the operational system, subsystem, equipment, assembly, module or component that has parameters that require measurement as specified in MIL-STD-1839.

3.5.11.2 Content number. Each Category I hardware entry shall be identified by a sequential locator and reference number. Sequential alphanumeric or decimal reference numbers shall be used. When Logistics Support Analysis Records (LSAR) are a contractual requirement the LSA control number shall be used.

3.5.11.3 Function. The Category I function which must be measured, tested, verified, checked, adjusted or supplied shall be shown in the description column in a logical sequence.

3.5.11.4 In-line presentation. As each Category I function and measurement parameter is listed, complete the Category II, Category III and Category IV summary data before proceeding to the next Category I hardware measurement parameter. The parameters and tolerances in each line shall be expressed in consistent units of voltage, frequency, power, current, etc., or percentages. Where this is not the case, explain the inconsistency in an appropriate footnote.

3.5.11.5 Category II TMDE. This summary data represents the support TMDE used to measure, test, verify, check or adjust the Category I equipment as specified in MIL-STD-1839. The summary data Category II columns shall list the nomenclature and part or model number of the TMDE and its' specifications.

3.5.11.6 Peculiar TMDE. Items of TMDE developed specifically to support Category I measurement requirements. The first time an item of Category II peculiar TMDE is listed in support of a Category I measurement parameter, the complete measuring, generating and accuracy capabilities of the peculiar TMDE shall be listed. For subsequent requirements for the same item of Category II peculiar TMDE, only those capabilities required to satisfy the Category I measurement parameters shall be listed. Complete Category III requirements in 3.5.11.9 below before proceeding to the next Category II entry. First time entries for Category II peculiar TMDE may be listed in contractor elected format in a separate section of the CMRS.

3.5.11.7 ATE. The first time an item of Category II ATE is listed in support of Category I measurement requirements; all minimum use specifications of the replaceable TMDE in the ATE shall be listed. First time entries for Category II ATE may be listed in contractor format in a separate section of the CMRS. For subsequent requirements for the same ATE, only the most stringent of minimum use requirement and the specific replaceable TMDE need to be listed in the inline presentation. Complete Category III requirements in 3.5.11.9 below before proceeding to the next Category II entry. Integral items of ATE used for self-testing or ATE calibration shall be identified.

3.5.11.8 Common TMDE. Items of Category II common TMDE that do not have DoD approved calibration procedures, technical orders or maintenance technical orders shall be handled like the peculiar TMDE in 3.5.11.6 above.

3.5.11.9 Category III calibration equipment and standards. This summary data represents the common and peculiar calibration equipment, standards and TMDE used for calibration, testing, troubleshooting or maintenance of Category II TMDE as specified in MIL-STD-1839. The summary data Category III columns shall list the description of the calibration equipment, standards and TMDE, and its specifications or the DoD approved calibration procedure, technical order or maintenance technical order for the Category II TMDE. Where no approved method of support exists for the Category II TMDE, all of the equipment and parameters required to show measurement traceability, will be listed in the Category III column. For subsequent entries, reference notes may be used where the requirements are duplicated.

Where multiple items of calibration equipment and standards are required to accomplish measurement traceability, the overall systematic error shall also be known.

3.5.11.10 DoD approved calibration procedures. For items of Category II TMDE that have an approved method of support, list the applicable military department approved calibration procedure, technical order or maintenance technical order in the Category III column opposite the Category II TMDE.

3.5.11.11 Category III peculiar calibration equipment and standards. Items developed specifically to support Category II TMDE measurement requirements. This equipment shall first appear in the Category III column opposite the Category II TMDE it is designed to support. It shall also be listed in the Category II column so the method of support and traceability can be established in the Category III column.

3.6 Additional information.

- a. When two or more identical items of TMDE are required for a specific measurement, it shall be so noted in the applicable Category II or III item description column and tables of TMDE.
- b. Transistor-Transistor Logic (TTL) level test requirements shall not be listed in the Category I or Category II summary data.
- c. When Category I input torque calibration requirements are listed, the test uncertainty ratio (TUR) of the Category II torque tool shall not be less than 1:1 and the need not be greater than 1:1. The TUR of the Category III torque calibration standard shall be 4:1 or better.
- d. When Category I input stimuli requirements are listed and being supplied by Category II TMDE, the test accuracy ration shall not be less than 1:1 and need not be greater than 1, unless conducting pass, fail or fault tolerance test.
- e. A sample CMRS template follows.

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Revision _____
Revision Date _____

CALIBRATION & MEASUREMENT REQUIREMENTS SUMMARY
FOR
SAMPLE SYSTEM

Contract Number _____
Date _____

Prepared by: _____

Approved by: _____

Company Name
and
Address

Document Number _____
Revision _____
Revision Date _____

CMRS Revision Status							
Date: _____							
Revision: _____							
Page	Revision	Page	Revision	Page	Revision	Page	Revision
i	B	41	Original				
ii	Original	42	Original				
iii	Original	43	A				
iv	Original	44	A				
v	Original	45	B				
1	Original	46	B				
2	Original	47	B				
3	Original	48	B				
4	Original	49	Original				
5	A	50	Original				
6	A						
7	A						
8	A						
9	A						
10	A						
11	B						
12	B						
13	A						
14	A						
15	B						
16	B						
17	B						
18	Original						
19	Original						
20	Original						
21	Original						
22	Original						
23	Original						
24	Original						
25	Original						
26	Original						
27	Original						
28	Original						
29	Original						
30	Original						

Document Number	_____
Revision	_____
Revision Date	_____

INTRODUCTION

FOR

SAMPLE SYSTEM

CALIBRATION & MEASUREMENT REQUIREMENTS SUMMARY

[Company Name] submits a Calibration & Measurements Requirement Summary (CMRS) in accordance with the [Sample System Name] contract Statement of Work and Contract Data Requirements List (CDRL) Item number [number] for Data Item Description (DID) for CMRS.

This CMRS identifies the [Sample System] stimuli and measurement parameters; the common and peculiar Test, Measurement and Diagnostic Equipment (TMDE) parameters and the measurement parameters of the supporting TMDE. These data are required to assure measurement traceability through the services base or depot measurement laboratories to the National Institute of Standards and Technology (NIST).

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CALIBRATION & MEASUREMENT REQUIREMENTS SUMMARY

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LIST OF ABBREVIATIONS, SYMBOLS AND ACRONYMS

TERM	DESCRIPTION
A or AMP	Ampere
A/D or ADC	Analog to Digital Converter
AC	Alternating Current
ATE	Automatic Test Equipment
BITE	Built-in Test Equipment
BTI	Bus Test Instrument
CAGE	Commercial and Government Entity
CAL	Calibrate
CC	Constant Current
CITA	Calibration Interface Test Adapter
CMRR	Common Mode Rejection Ratio
CMRS	Calibration & Measurement Requirements Summary
Co	Company
Cont	Continued
CPU	Central Processing Unit
CR	Constant Resistance
CV	Constant Voltage
CW	Continuous Wave
D/A or DAC	Digital to Analog Converter
dB or DB	Decibel
DC	Direct Current
DEG or Deg	Degree
DMM	Digital Multimeter
DTI	Digital Test Instrument
DTS	Digital Test Station
FS or F.S.	Full Scale
GHz	Gigahertz
HV	High Voltage
Hz	Hertz

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I	Current
kHz	Kilohertz
Kohms	Kilo ohms
kV	Kilovolts
kW	Kilowatts
LVDT	Linear Variable Differential Transformer/Transducer
MAX or max	Maximum
MHz	Megahertz
Mohms	Mega ohms
MIN or min	Minimum
MA or mA	Milliamps
MV or mV	Millivolts
mVDC	Millivolts Direct Current
NCR	No Calibration Required
ns or nS	Nanosecond
NO	Number
Pmax	Power Maximum
p-p or pp	Peak-to-Peak (example: Vpp)
ppm	Parts Per Million
Pwr Sup or P.S.	Power Supply
R	Resistance
SQ CM	Square Centimeters
TDR	Time Domain Reflectometer
TMDE	Test, Measurement, and Diagnostic Equipment
V	Volt
Vrms	Volt Root Mean Square
VAC or Vac	Volt Alternating Current
VDC or Vdc	Volt Direct Current
W	Watt
Us or uS	Micro Seconds
uV	Micro Volts

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Table of Category II [III, IV] TMDE							
Model, Type or Part Number	Nomenclature	CAGE	National Stock Number (NSN)	Cal Int	Calibration Procedure	SERD Number	Maintenance Document
123B	Digital Multimeter	12345	1234-56-789-1011	12	33K3-4-1234-1	123456	33D1-23-456-78
XYZ2	Oscilloscope	56789	1234-56-789-1011	6	AB123CD*	123456	Commercial Manual
* Commercial or Manufacturer's Number							

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LIST OF MANUFACTURER'S CODE TO NAME

CODE	NAME
03LB1	VXI Technology
0VGU1	North Atlantic Instruments Inc.
1LQK8	Agilent Technologies
21793	Racal Instruments
23350	Teradyne Inc.
25965	Elgar Electronics Corp.
57487	Ametek
57798	Trek Inc.
64667	National Instruments
89536	Fluke Corp.
ODRX9	ATTI
1RPN6	Maury Microwave
15542	MiniCircuit Labs

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1.0	Radar System P/N AN/FPS-XXX	14
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1.2	High Voltage Power Supply Assembly P/N 123456	15
2.0	Receiver Assembly P/N 12345	15
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CALIBRATION AND MEASUREMENT REQUIREMENTS SUMMARY

SUMMARY DATA TABLE

CATEGORY I Operational/System Equipment					CATEGORY II TMDE			CATEGORY III Calibration Equipment/Standards		
Content No.	Description of Item	Operational Range/Value	Operational Tolerance	Cal Intervals	Description of Item	Specific Range/Value	Specific Tolerance	Description of Item	Range or Value	Tolerance
1.0	Radar System AN/FPS-XXX									
1.1	Transmitter Assy P/N 12345			6						
	Output Power (kW)	1 kW	±25%		Power Meter Model 1234 w/Power Sensor P/N 12345	0 to 5 W	±4% FS	33K3-4-1234-1 (AF Procedure)		
					Directional Coupler Model 1234	30 dB	±2% FS	AB1234CD (Commercial Manual)		
	Pulse Width (microseconds)	1µS	±0.1 µS		Oscilloscope P/N 12345	0.2 µS per/div	±3% rdg	17-20WW-222 (Navy Procedure)		
	Transmitter High Voltage Power Supply P/N 12345			12						

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	CATEGORY I Detailed Specification from Performance Specs			CATEGORY II Test/Measurement & Diagnostic Equipment				CATEGORY III Calibration Equipment/Standards			
Detailed Specification Reference	Description of Item	Operating Range or Spec Value	Operating Tolerance	Description of Item	Operating Range or Spec Value	Operating Tolerance	Test Uncertainty Ratio	Description of Item	Operating Range or Spec Value	Operating Tolerances	Test Uncertainty Ratio
2.0 ADTS								PATEC			
2.1 DC Power Supply				Agilent 3458A				Fluke 5700A Calibrator			
	DC Voltage	±0.1 to ±512 V ±0.05% Range or 100µV min		DC Voltage			*	DC Voltage			
		-0.1 Vdc ±100 µV		-0.1 Vdc	±50 µV		2	-0.1 Vdc	±12.5 µV		4
		+0.1 Vdc ±100 µV		+0.1 Vdc	±50 µV		2	+0.1 Vdc	±12.5 µV		4
		-1 Vdc ±500 µV		-1 Vdc	±50 µV		10	-1 Vdc	±12.5 µV		4
		+1 Vdc ±500 µV		+1 Vdc	±50 µV		10	+1 Vdc	±12.5 µV		4
		-2 Vdc ±5 mV		-2 Vdc	±250 µV		20	-2 Vdc	±62 µV		4
		+2 Vdc ±5 mV		+2 Vdc	±250 µV		20	+2 Vdc	±62 µV		4
		-10 Vdc ±5 mV		-10 Vdc	±500 µV		10	-10 Vdc	±125 µV		4
		+10 Vdc ±5 mV		+10 Vdc	±500 µV		10	+10 Vdc	±125 µV		4
		-20 Vdc ±50 mV		-20 Vdc	±1.50 mV		33	-20 Vdc	±375 µV		4
		+20 Vdc ±50 mV		+20 Vdc	±1.50 mV		33	+20 Vdc	±375 µV		4
		-31 Vdc ±50 mV		-31 Vdc	±3.35 mV		14	-31 Vdc	±837 µV		4
		+31 Vdc ±50 mV		+31 Vdc	±3.35 mV		14	+31 Vdc	±837 µV		4
		-114 Vdc ±50 mV		-114 Vdc	±10 mV		5	-114 Vdc	±2.5 mV		4
		+114 Vdc ±50 mV		+114 Vdc	±10 mV		5	+114 Vdc	±2.5 mV		4
		-512 Vdc ±256 mV		-512 Vdc	±256 mV		1	-512 Vdc	±64 mV		4
		+512 Vdc ±256 mV		+512 Vdc	±256 mV		1	+512 Vdc	±64 mV		4
				* TUR > 1 is for use as On-Station Standard for 3.7.4, 3.7.7, 3.7.8, 3.7.9, and 3.7.1							

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Category I Operational System					Category II Test/Measurement & Diagnostic Equipment			Category III Calibration Equipment/Standards		
Sec.	Description of Item	Operational Range or Value	Operational Tolerance	Interval	Description of Item	Specific Range or Value	Specific Tolerance	Description of Item	Specific Range or Value	Specific Tolerance
1.0					Self-Test/ Calibration Adapter (SK16850-727-1)			<i>PMEL</i>		
1.1	Nitrogen Pressure System	30 to 50 psig	±1.0% of reading psig	6 mos	Pressure Transducer (AP121BN): (0 to 50 psig at ±0.1% full scale accuracy)	30 to 50 psig	±0.22% of reading psig	Nitrogen Pressure Standard (2465)	30 to 50 psig	±0.073% of reading psig
1.2	Vacuum Pressure System	1 to 1000 Torr	±6.25% of reading Torr	6 mos	Vacuum Pressure Transducer (626A): (0 to 1000 Torr at ±0.25% full scale accuracy)	1 to 1000 Torr	±1.67% of reading Torr	Vacuum Pressure Standard (690) Voltage Output (8840A)	1 to 1000 Torr 0 to 10 Vdc	±0.556% of reading Torr ±0.0556% of reading Vdc
1.3	Hydraulic Pressure System	0-4500 psig	±0.25% of full scale	6 mos	Pressure Transducer (HPO-5000-GAUGE-10Vdc-1/4NPT M-2): (0 to 5000 psig at ±0.05% full scale accuracy)	0-4500 psig	±0.05% of full scale	Hydraulic Pressure Standard (2485)	0-4500 psig	±0.0125% of full scale

End of DI-QCIC-80278C.

DATA ITEM DESCRIPTION

Title: 90-DAY OUTAGE REPORT

Number: OT-2022-30026

Approval Date: 20221114

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The 90-Day Outage Report is used to report outage requirements and statuses for a rolling 90-day period. Approved outages will be reported to the Integrated Scheduling group for inclusion in the Integrated Schedule.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None
2. **Format.** The 90-Day Outage Report shall be in the contractor's electronic format.
3. **Content.** The 90-Day Outage Report shall contain the following:
 - a. Desired date (start/end date and time)
 - b. Scheduled date (start/end date and time)
 - c. Permit number and title
 - d. Point of contact
 - e. Project number
 - f. Status (Approved or Pending approval)
 - g. Affected Asset(s) – list the asset that necessitated the activity and all other assets that are removed from the service
 - h. Description
 - i. Notes/Comments

End of OT-2022-30026.

DATA ITEM DESCRIPTION

Title: ANTITERRORISM REPRESENTATIVE (ATR) APPOINTMENT LETTER

Number: OT-2022-30027

Approval Date: 20221114

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Antiterrorism Representative (ATR) Appointment Letter is used to ensure compliance with Antiterrorism (AT) Program requirements and identify facility points of contact to occupants and the Installation AT Officer. The ATR Appointment Letter requires periodic updates as ATRs are appointed through the life of the task order.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The ATR Appointment Letter shall be in the contractor's electronic format.
3. **Content.** The ATR Appointment Letter shall include the following:
 - a. Paragraph 1: Include the following statement, "In accordance with Department of Defense Instruction (DoDI) O-2000.16-V1, *DoD Antiterrorism (AT) Program Implementation: DoD Antiterrorism Standards*, paragraphs 3.11.a. and b., I appoint the following personnel as primary and alternate Antiterrorism Officer (ATO)/Antiterrorism Representative (ATR) for Building XXXX." ("XXXX" in the statement shall be replaced with the building number.) (A copy of the DoDI is available online at <http://www.esd.whs.mil/Directives/issuances/dodi/>.)
 - b. Paragraph 2: Identify the name, grade, and DoD security clearance level (as determined in accordance with DoDI 5200.02, *DoD Personnel Security Program (PSP)*) of the primary and alternate ATRs.
 - c. Paragraph 2a: Identify the reason for appointing the identified individuals as the building ATR.
 - d. Paragraph 3: List contact information for the primary and alternate ATRs (e.g., Non-classified Internet Protocol Router Network (NIPRNet) and Secure Internet Protocol Router Network (SIPRNet) e-mail addresses and on- and off-duty phone numbers).

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- e. Paragraph 4: List the latest training completion or graduation dates from AT Level I, AT Level II, Advanced Distributed Learning Service (ADLS) AT Level II refresher training, if applicable, and Security Engineering Design courses, if attended, for the primary and alternate ATRs.
- f. Paragraph 5: Include the following statement: “This letter supersedes all previous letters of the same subject.”
- g. Include a signature block for the contractor’s General Manager or equivalent.

End of OT-2022-30027.

DATA ITEM DESCRIPTION

Title: CALIBRATION INSTRUCTION

Number: OT-2022-30028

Approval Date: 20221114

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSDI)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Calibration Instruction documents calibration methodology for classes of test, measurement, and diagnostic equipment (TMDE) based on measurement function. The Calibration Instruction is used in conjunction with Calibration Measurement Requirements Summary (CMRS) (DI-QCIC-80278B) documents to provide Air Force Metrology and Calibration (AFMETCAL) with information necessary to approve Arnold Engineering Development Complex (AEDC) TMDE calibration processes. (A copy of this document is available online at <https://quicksearch.dla.mil>.) The Calibration Instruction is provided to the Government for approval and is sent to AFMETCAL by the Government along with copies of the appropriate CMRS documents for AFMETCAL approval. Once AFMETCAL approves the Calibration Instruction, AEDC will be authorized to operate the TMDE which is identified in the instruction.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The Calibration Instruction shall be in the contractor's electronic format.
3. **Content.** The Calibration Instruction shall document the calibration specifics of the TMDE for which CMRS documents have been generated and delivered.
- 3.1 The Calibration Instruction shall be structured as follows:
 - a. Cover page
 - b. Calibration description table (as contained in the CMRS)
 - c. Description of preliminary operations.
 - d. Required Personal Protective Equipment (PPE).
 - e. Calibration process for the TMDE to include:
 - (1) Area preparation
 - (2) Calibrator preparation

(3) Testing

f. A listing of the system equipment for Category (CAT) I and CAT II. Additional categories will be identified as needed specific to the TMDE.

3.2 The Calibration Instruction cover page (see 3.3 below for example instruction) shall include:

- a. "CALIBRATION INSTRUCTION"
- b. Component name
- c. Identifying #
- d. Point of Contact (POC)
- e. Organization
- f. Owning Work Center (OWC)
- g. Location
- h. Date
- i. A short description of use
- j. Calibration interval
- k. A Header and Footer, centered on page, marked, "CONTROLLED UNCLASSIFIED INFORMATION"

3.3 Example CI template:

EXAMPLE

CONTROLLED UNCLASSIFIED INFORMATION

CALIBRATION INSTRUCTION (CI):

Component Name: Pressure Transducer

Identifying #: XXXX-2012-01

POC: (Name)

Organization: XXXX/XXXX

Owning Work Center (OWC): XXXXX

Location: Components are installed in test facilities located at (Location)

Date: MMDDYYYY

DESCRIPTION OF USE: Pressure Transducers are used to indicate system pressure and the data output is used for data analysis.

Calibration Interval: 12 Months/per the K-100 entry for the CAT I TMDE.

Box below will be added and filled out by AFMETCAL after they receive this CI and copies of the related CMRS documents.

Approved for use by AFMETCAL/WNMA, (AFMETCAL Rep's name), (Date)

A handwritten signature in black ink, appearing to be 'RLJL', is written over a large rectangular box.

EXAMPLE

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EXAMPLE**CONTROLLED UNCLASSIFIED INFORMATION**

CATEGORY I				CATEGORY II				CATEGORY III			
TMDE				TMDE USED TO CALIBRATE CAT I SYSTEM				PMEL-TMDE USED TO CALIBRATE CAT II TMDE			
CONT No.	Item Description	Operation Range or Value	Operation Tolerance	Item Description	Specified Range or Value	Specific Uncertainty	I/II TUR	Item Description	Specified Range or Value	Uncertainty	I/II TUR
	Pressure transducers. See attached list.	See attached list.	$\pm 0.1\%$ of full scale	Fluke Deadweight Tester, Water Model: P3224 Barcode: M323891	0.1-10000 PSI	$\pm .015\%$ of reading	20:1	PMEL Calibration	0.1-10000 PSI	$\pm .01\%$ of reading	$\geq 4:1$
				Omega HH82A Digital Thermometer	32-140F	± 2 F					
				Atmospheric pressure and humidity from https://bsx.edwards.af.mil/weather/index.html	1010-1020 mbars						
					0-100%						

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EXAMPLE

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PRELIMINARY OPERATIONS:

- Supply copy of Pressure Transducer CWI to all personnel for reference during calibration process.
- Update Calibrator Name and Date on the Pressure Transducer Certification/Calibration sheet.
- Review entire procedure before beginning calibration.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT (PPE):

- Lab Coat
- Eye protection
- Safety shoes

CALIBRATION PROCESS FOR PRESSURE TRANSDUCERS:

1. Area Preparation:

3.2 Ensure the CAT II TMDE is adequate for the calibration process, i.e.:

1.2.1. It has been calibrated and has a current calibration certificate (label) attached.

1.2.2. It has sufficient range and accuracy to meet the requirements listed in the Calibration Description Table.

3.3 Visually inspect CAT II TMDE for damage.

3.4 Survey and clean the area for any debris/trash before starting the calibration.

3.5 Brief the calibration objective, safety requirements, emergency procedures and associated hazards prior to the calibration.

3.6 Post the “Calibration in Progress” signs near front and rear entry doors to prevent unauthorized personnel from entering the test cell.

3.7 Verify personnel are wearing lab coats, safety shoes, and appropriate safety eyewear.

2. Calibrator Preparation:

3.2 The deadweight tester must be set up on a level, stable workbench or similar surface.

3.3 Remove spokes from tool roll and fit to capstan hub.

3.4 Level the tester using the four adjustable feet to the bubble level attached to the top plate.

3.5 Rotate reservoir dust cover through $\frac{1}{4}$ turn and fill reservoir approximately $\frac{3}{4}$ full with clean distilled or deionized water. Rotate dust cover back to cover hole.

EXAMPLE

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EXAMPLE

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WARNING: The deadweight tester is designed for use with clean, distilled or deionized water; use of other fluids can affect the operation and performance of the instrument, and **CAN CAUSE PERMANENT DAMAGE**. To avoid damage to the instrument, the operator should check the quality of the operating fluid during use. If the fluid becomes discolored, cloudy or particles appear in the reservoir, the system should be drained and flushed with clean water. If the pressure transducer under test is from a system that does not require oxygen system cleanliness and compatibility, the Liquid Separator, P5521, can be mounted to the test port of the deadweight tester to prevent cross-contamination and the introduction of particulates.

3. Testing:

NOTE: The test port on the deadweight tester has LEFT-HAND THREADS and an O-ring seal. There are several different adapters for various fitting types and sizes that are included in the tool roll. For National Pipe Thread (NPT) threads there is an additional test port insert in spare seals container in the tool roll.

3.1 Screw the adapter to the transducer or system under test.

3.2 Verify there is an O-ring on the deadweight tester port then screw the adapter to the test port and make it hand tight.

3.3 Prime the deadweight tester as follows:

3.3.1. Open the reservoir valve one turn counter-clockwise

3.3.2. Turn the capstan all the way in.

3.3.3. Close the reservoir valve.

3.3.4. Turn the capstan all the way out.

3.3.5. Open the reservoir valve and turn the capstan all the way in.

3.3.6. Keep repeating this until all the air is flushed out. Fill reservoir if necessary.

3.3.7. With the valve open, turn the capstan out and close the valve. The tester is now ready for use.

3.4 Verify that the pistons are lubricated with water and move freely before loading weight. For the low pressure piston, hold the weight carrier table and gently lift and turn the piston. For the high pressure piston, take off the weight carrier tube and hold the piston cap and gently lift and turn. It may help to use the capstan to put a small amount of pressure (<15psi) on pistons. If the pistons resist motion or feel gritty they will have to be cleaned.

EXAMPLE

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EXAMPLE

CONTROLLED UNCLASSIFIED INFORMATION

3.5 Select the weights and stack them on the appropriate piston. The weights are labeled with the two pressures for the high and low range pistons.

3.6 Turn the capstan in to generate pressure.

3.7 When the piston rises, ensure the bottom face of the lowest weight is level with the groove in the indicator post. **NOTE:** The deadweight tester calibration is only valid at the groove in the indicator post. The recessed area above and below the groove is just a guide to indicate the piston travel limits.

3.8 Gently rotate the weight stack counterclockwise so that it spins at 10-60 rpm. Use two hands on either side and roll the stack evenly. Don't spin it from one-side. **DO NOT** rotate the weights when the piston is on the high or low limits of travel. A small amount of leakage from the piston is normal.

3.9 Let the system stabilize before taking a reading, especially after a large change in pressure.

3.10 For the next pressure, go back to 3.5.

3.11 Calibrate item as directed by Test Conductor (TC). Minimum requirements: five steps up and five steps down, 20% of full scale. **NOTE:** Additional steps and repetition may be requested by TC.

3.12 To reduce pressure, gently and evenly stop the weights from spinning, remove the weights and then turn the capstan out until the weights float at the correct height at the indicator. Then start the weights spinning. Go back to 3.4.

WARNING: Do not release pressure suddenly as the weight stack will fall and damage the piston.

3.13 Depressurize the system by turning the capstan all the way out.

3.14 Remove the weight stack.

3.15 Process the recorded pressure transducer data.

3.16 Record atmospheric pressure and humidity from <https://bsx.edwards.af.mil/weather/index.html>.

3.17 Record ambient temperature using Omega HH82A.

EXAMPLE

CONTROLLED UNCLASSIFIED INFORMATION

EXAMPLE**CONTROLLED UNCLASSIFIED INFORMATION****SYSTEM EQUIPMENT:****CAT I: Pressure Transducers**

MANUFACTURER	MODEL
STELLAR	AP-5000-5V-147
STELLAR	AP5000-1MV/V-158
STELLAR	ST-500
STELLAR	DT-400
STELLAR	ST-1500
STELLAR	GT-100
TABER	2211
TABER	2911
TABER	3000
TABER	206
Transducers, Inc.	DP-61M
SENSOTEC	STJE/H106-01
VIATRAN	245AZGBRDNEG/GYX
GP:50	7720
GP:50	7200
GP:50	216
GP:50	215
Kulite	CTL-2-437-2500A
Kulite	WCT-312-1500A
Kulite	XCE-093-50D
Kulite	XCE-093-1000A
Kulite	CCQ-093-25D
Kulite	XCQ-093-25D
Tescom	625-3000-1-1-8-8
Tescom	100-3000-2127
AST	AST-4300
Invensys	IDP10-V22B21F

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EXAMPLE

CONTROLLED UNCLASSIFIED INFORMATION

CAT II: Deadweight Tester, Water

NOUN REF	MFG P/N	S/N	WUC	BARCODE
Deadweight tester II	Fluke P3224	71872	ZCVQC	M323891 CAT

EXAMPLE

CONTROLLED UNCLASSIFIED INFORMATION

End of OT-2022-30028.

DATA ITEM DESCRIPTION

Title: ANNUAL STATEMENT OF ASSURANCE

Number: OT-2022-30029

Approval Date: 20221114

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AFTC/PZ)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Annual Statement of Assurance provides contractor management assurance relating to internal control over financial reporting and any related material weaknesses and corrective actions.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Annual Statement of Assurance shall be in the contractor's electronic format.
3. **Content.** The Annual Statement of Assurance shall contain the following:
 - a. Assessment Summary
 - b. Internal Monitoring and Compliance Efforts
 - (1) Labor and related internal controls
 - (2) Material and related internal controls
 - (3) Other activities and related internal controls
 - c. Internal Reviews
 - d. Other Outside Audits
 - e. Defense Contract Audit Agency (DCAA) – Financial and Internal Control Reviews
 - f. Listing of Policies and Procedures related to internal controls
 - g. Management and Organizational Key Controls

End of OT-2022-30029.

DATA ITEM DESCRIPTION

Title: AS-BUILT DOCUMENTATION

Number: OT-2022-30030

Approval Date: 20221114

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: As-Built Documentation is used to establish the as-built configuration of Arnold Engineering Development Complex (AEDC) assets installed or modified as identified by the project plan. The data provides the baseline configuration identification. It also serves as a baseline for configuration changes.

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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.
2. **Format.** As-Built Documentation shall be in the contractor's electronic format.
3. **Content.** As-Built Documentation shall include content in accordance with requirements defined in AEDC Engineering Standard T-3 (AEDC-ENGR-STD-T-3), *AEDC Standard Engineering Drawing and Drafting Practices*. (A copy of this document is available by sending a document request by email to AEDC/804 TSS at: aedc.tss.workflow@us.af.mil.)

End of OT-2022-30030.

DATA ITEM DESCRIPTION

Title: CATALOGING REPORT

Number: OT-2022-30031

Approval Date: 20221114

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD-LG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Cataloging Report is used to track transactions outside of the Approved Property System of Record (APSR) to support financial statement audits performed by independent auditors. The report includes all material and equipment research and cataloging actions coordinated through the supporting Records Maintenance activity for posting to the APSR.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Cataloging Report shall be in the contractor's electronic format.
3. **Content.** The Cataloging Report shall include the following:
 - a. Accountable Contract or Accountable Organization for Asset
 - b. Nomenclature
 - c. Part Number
 - d. Description
 - e. Commercial and Government Entity (CAGE) Code
 - f. National Stock Number (NSN)
 - g. Quantity (QTY)
 - h. Acquisition Cost
 - i. Unique Identifier (if applicable)
 - j. Unit of Measure
 - k. Transaction Date

End of OT-2022-30031.

DATA ITEM DESCRIPTION

Title: CHECKLISTS

Number: OT-2022-30032

Approval Date: 20221114

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: Checklists are used to document the steps the contractor uses to perform work at Arnold Engineering Development Complex (AEDC). Checklists are used where it is impractical for the work performer to sign off each action as it is performed, such as when a series of actions must be performed in a short period of time or when a series of actions is repeated multiple times in a test period. Emergency Response Checklists are checklists required to be quickly implemented in order to rapidly respond to an abnormal situation, emergency situation, or a mishap. The Emergency Response Checklist is utilized when the work performer must respond rapidly to the situation to prevent or control damage to personnel, equipment, or the environment. For all checklists, the work performer may be required to perform the steps via memorization or via verbal direction in order to accomplish the required tasks as rapidly as possible. As such, the work performer may be required to be trained, qualified, or certified on the use of the checklist; however, the record of such must be documented separately from the Checklist. Checklists shall be readily accessible by personnel required to perform the actions.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** Checklists shall be in the contractor's electronic format using of either Microsoft Word or Adobe Portable Document Format (PDF). Checklists shall be in play script style (numbered steps that should be followed in a specific order). Responsibility for the action is normally specified. Individual sign-off of steps is not required.
 - a. For Emergency Response Checklists, individual sign-off of steps is not required when performing the actions; however, the performer must document their actions on the checklist after the response.
 - b. Checklists may contain actions for more than one activity, as long as the activities are related (e.g., engine startup and engine shutdown). Emergency Response Checklists may contain responses to more than one emergency situation, as long as the situations are related. The use of headers, bolding, and other means of highlighting specific parts of the checklist are required to allow rapid access to the proper checklist instructions for the activity.

c. The document header shall be in the following format (the contractor may add additional information to the document header with approval from the Government).

TOS Checklist			Document No: Cxx-xxxx- xxxx	Page: 1 of x
Title				
Author/Walk- Through:	Approval:	Asset ID:	Revision:	Effective Date:

TOS Emergency Response Checklist			Document No: Exx-xxxx- xxxx	Page: 1 of x
Title				
Author/Walk- Through:	Approval:	Asset ID:	Revision:	Effective Date:

d. The contractor shall not place the company name or logo on the checklist.

e. The footer of each page shall contain the following statement: Distribution authorized to U.S. Government agencies and their contractors; administrative / operational use; July 2016. Other requests for this document shall be referred to AEDC/804 TSS, 1099 Schriever Avenue; Arnold Air Force Base, Tennessee, 37389-9200. Destroy by any method that will prevent disclosure of contents or reconstruction of the document. Verify document is current before use.

3. **Content.** Checklists shall contain the following (the contractor may add content as necessary to comply with their own policies for document release, control, etc. with approval by the Government)

a. Document Number

b. Page numbers on each page in the following format: Page X of Y, where X is the current page of the instructions and Y is the last page of the instructions

c. Document Title

d. Author / Walk Through

e. Approval

f. Asset identification (ID) (if applicable)

g. Revision

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- h. Effective Date
- i. Purpose
- j. Scope of Application
- k. References
- l. Definitions
- m. Special Tools or Equipment Required
- n. Process (Steps to perform work)

All checklists shall contain WARNING, CAUTION, and NOTE icons and descriptions of the specifics of the Warning, Caution, or Note as appropriate. A NOTE highlights essential information regarding a condition or an action. A CAUTION highlights an essential condition or action that if not strictly observed could result in damage to, or destruction of equipment or loss of mission effectiveness. A WARNING highlights an essential condition or action which if not strictly observed could result in injury to, or death of, personnel or long-term health hazards.

- o. Description of Revision
- p. Attachments
- q. Performer Notes (Discrepancies, deficiencies, errors, suggestions)

End of OT-2022-30032.

DATA ITEM DESCRIPTION

Title: ASSET CONDITION ASSESSMENT

Number: OT-2022-30033

Approval Date: 20221114

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Asset Condition Assessment provides data regarding the health of Arnold Engineering Development Complex (AEDC) assets to assist in the identification of sustainment needs.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Asset Condition Assessment shall be in the contractor's electronic format.
3. **Content.** The Asset Condition Assessment shall contain the following:
 - a. Asset Name
 - b. Asset Category
 - c. Parent Asset
 - d. Child Asset
 - e. Asset Description
 - f. Preparer
 - g. Assumptions / General Comments
 - h. Asset Age
 - i. Replacement Value
 - j. Current condition of the asset with respect to remaining service life, availability / redundancy, capability / capacity, maintainability / supportability, reliability, safety / environmental, control / monitoring, efficiency, documentation, and appearance / corrosion.
 - k. Current criticality assessment of the asset with respect to workload, priority, support, and capability.
 - l. Future (five years hence) condition of the asset with respect to remaining service life, availability / redundancy, capability / capacity, maintainability / supportability, reliability,

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safety / environmental, control / monitoring, efficiency, documentation, and appearance / corrosion.

m. Future (five years hence) criticality assessment of the asset with respect to workload, priority, support, and capability.

End of OT-2022-30033.

DATA ITEM DESCRIPTION

Title: BASE SUPPORT ASSET SUSTAINMENT PROGRAM PLAN

Number: OT-2022-30034

Approval Date: 20221114

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Base Support Asset Sustainment Program Plan establishes a seven-year projection of work requirements, so that appropriate planning and programming can be performed to quantify future funding and manpower requirements.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Base Support Asset Sustainment Program Plan shall be in the contractor's electronic format using MicroSoft Excel.
3. **Content.** The Base Support Asset Sustainment Program Plan shall contain the following:
 - 3.1 Section I. Management. This section shall address the management and integration of the work showing organization, technical, cost, and schedule data to include the following elements:
 - a. Cover page with title, date, inclusive range of years of plan, and signature approval line for the Base Civil Engineer
 - a. Executive Summary
 - b. Table of Contents
 - c. Strategy. Description of initiatives used to execute the plan. Include historical data to indicate status of the program versus annual budgets. Indicate how current and proposed budgets will impact backlog, capabilities, and priority programs.
 - d. Project data. Charts to relate workload, funding, priorities, and application of earned value management to individual projects (management, administrative, and technical) and an overall assessment of Work Breakdown Structure (WBS) performance.
 - e. Performance data. Metrics for performance objectives identified in the PWS Service Delivery Summary and in the Surveillance and Evaluation Plan.

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f. Past project accomplished. List of projects completed in the previous fiscal year (FY).

g. Organizational data. A chart showing the relationship of the program functions to the functional organizations by WBS, indicating lines of authority and communications.

3.2 Section II. First Out-Year Project Listing. The listing shall be divided into three sub-sections.

a. The Planning and Design sub-section shall include all projects to be planned and designed in the first out-year. List projects by priority and include project number, title, Automated Civil Engineer System (ACES) number, priority number (using the latest Air Force Civil Engineering Center [AFCEC] business rules), facility number, category code, design man-hours, design-man hour cost (\$000), and preliminary execution cost estimate (\$000) for each project. Also include the total design man-hours and total design cost (\$000) for the first entire out-year design effort.

b. The Execution sub-section shall include all projects to be executed for the first out-year. List projects by priority and include project number, title, ACES number, priority number, facility number, category code, Government Furnished Equipment (GFE) (\$000), materials (\$000), execution man-hours, execution man-hour cost (\$000), and total cost (\$000) for the first out-year execution effort. If a project's execution exceeds one year, show applicable costs by FY.

c. The Management and Administrative sub-section shall include all the first out-year projects that contain the non-technical efforts which account for the management and administration of the WBS. List projects by project number, title, materials (\$000), execution man-hours, execution man-hour cost (\$000), and total project cost (\$000) for each project. Also include the total materials (\$000), execution man-hours, execution man-hour cost (\$000), and total cost (\$000) for the first entire out-year effort.

3.3 Section III. Second Through Seventh Out-Year Project Listing. Provide the same information as in 3.2 Section II a & b by each out-year.

3.4 Section IV. Category Program. This section shall list all projects to be executed in the six out-years listed and grouped by category code in the same format as listed in 3.2 Section II b. Within each category listing, prioritize the projects using the AFCEC business rules. At the beginning of each section include an index explaining the category codes.

3.5 Section V. Design Shelf. This section shall list the current projects that are designed and ready for execution. Provide the same information as in 3.2 Section II b and the expected year of execution. If a design shelf project is to be executed in the next out-year workload, include in the budget a design cost to update the design.

3.6 Section VI. Backlog Maintenance and Repair (BMAR). This section shall list the projects which were not funded in the FY in which they were approved for execution and are still unfunded. Provide the same information as in 3.2 Section II b, and list in ascending FY order.

3.7 Section VII. AEDC Work Requirement. This section shall include work requests for all projects included in the first out-year plan. Each work request will indicate its approval status. Submit these electronically to the Base Civil Engineer after the 3.2 Section II workload is approved by the Base Civil Engineer and AEDC Council.

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3.8 Section VIII. First Out-Year Activity-Level Maintenance Listing. This section shall list the various projects within which day-to-day activity-level maintenance and repair (less than \$50,000 M&R and less than \$15,000 MC) jobs are grouped by facility. List the projects by title, project number, GFE (\$000), on contract material (\$000), off contract material (\$000), execution man-hours, execution man-hour costs (\$000), and total cost (\$000). Include total cost for all of the projects.

End of OT-2022-30034.

DATA ITEM DESCRIPTION

Title: ANTITERRORISM (AT) TRAINING CERTIFICATE

Number: OT-2022-30035

Approval Date: 20221114

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Antiterrorism (AT) Training Certificate validates completion of required Level I or Level II training for all appointed Antiterrorism Representatives (ATRs) in accordance with Department of Defense Instruction (DoDI) O-2000.16, Volume 1, *DoD Antiterrorism (AT) Program Implementation: DoD Antiterrorism Standards*, Appendix 3A. (A copy of the DoDI is available online at <http://www.esd.whs.mil/Directives/issuances/dodi/>.) The AT Training Certificate requires periodic updates as ATRs are appointed throughout the life of the task order.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The AT Training Certificate shall be in the contractor's Portable Document Format (PDF) (i.e., Adobe Acrobat (.pdf)).
3. **Content.** The AT Training Certificate shall contain the following:
 - a. Name of the trainee
 - b. AT training level obtained in accordance with DoDI O-2000.16, Volume 1, Appendix 3A
 - c. Date of AT training completion

End of OT-2022-30035.

DATA ITEM DESCRIPTION

Title: EQUIPMENT MAINTENANCE PLAN (EMP)

Number: OT-2022-30036

Approval Date: 20221115

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Equipment Maintenance Plan (EMP) is used to document the maintenance strategy for an Arnold Engineering Development Complex (AEDC) asset.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The EMP shall be in the contractor's electronic format.
3. **Content.** The EMP shall contain the following:
 - a. Reliability Centered Maintenance (RCM) / Recommended Maintenance:
 - (1) Component
 - (2) Task / Deficiency
 - (3) Frequency
 - b. Preventive Maintenance Tasks:
 - (1) Component
 - (2) Task / Deficiency
 - (3) Frequency
 - c. Predictive Maintenance Tasks:
 - (1) Component
 - (2) Task / Deficiency
 - (3) Frequency
 - d. Proactive Maintenance Repairs (Job Plans)
 - e. Run to Fail

End of OT-2022-30036.

DATA ITEM DESCRIPTION

Title: FACILITY ANTITERRORISM (AT) PLAN

Number: OT-2022-30037

Approval Date: 20221115

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Facility Antiterrorism (AT) Plan ensures compliance with AT Representative (ATR) Program requirements and defines facility-specific work instructions for AT Program implementation. The Facility AT Plan requires updates when updates are made to the Arnold Air Force Base (AAFB) Antiterrorism Plan 10-245, or when AAFB security posture changes. (A copy of the AAFB AT Plan 10-245 is available by sending a document request by email to AEDC/TSD-SF at: aedc.tsd.sf.workflow@us.af.mil.)

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The Facility AT Plan shall be in the contractor's electronic format.
3. **Content.** The Facility AT Plan shall include the following:
 - a. A description of the facility and its point of contact (building manager, ATR, and security manager)
 - b. Random Antiterrorism Measures (RAM) completion instructions
 - c. Force Protection Condition (FPCON) attainment instructions
 - d. Building entry procedures
 - e. Facility search instructions
 - f. Description of the reporting process for notification of RAM completion
 - g. Building diagrams with single point of entry and standoff distances identified (where applicable)
 - h. Identifications of evacuation points and shelter locations
 - i. Description of the localized FPCON measures and guidance for transitioning throughout the FPCONs, to include building entry requirements.

- j. Description of the approved RAM and a RAM schedule describing how often the RAM will be executed
- k. Description of facility spot inspections to assess compliance with RAM procedures
- l. Copy of current ATR Appointment letter

End of OT-2022-30037.

DATA ITEM DESCRIPTION

Title: FINANCIAL MANAGEMENT REPORTS

Number: OT-2022-30038

Approval Date: 20221115

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/FM)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: Financial Management Reports provide Arnold Engineering Development Complex (AEDC) personnel with the ability to manage contract cost. Production of these reports relies on the contractor's ability to populate data on the Government-Provided Management Information System.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Financial Management Reports shall be in the contractor's electronic format and must interface with the Government-Provided Management Information System.
3. **Content.** The Financial Management Reports shall contain the following:
 - a. Fiscal Year
 - b. Accounting Period
 - c. Accounting Date
 - d. Responsible Company
 - e. Fund Company
 - f. Performance Company
 - g. Cost Center
 - h. Department
 - i. Fund Code
 - j. Fund Code Description
 - k. Fund Code Group
 - l. AEDC Work Breakdown Structure (WBS) Identifier (ID)
 - m. WBS Level

- n. WBS Description
- o. WBS Group
- p. WBS Pool IND (Pool name indicator like “ELEC” for electricity)
- q. Cost Type
- r. Charge Class
- s. Analysis Type
- t. Analysis Group
- u. Project
- v. Project Description
- w. Pool Identification Code
- x. Percent/Amount Spread
- y. Pool Amount
- z. Pool Description
- aa. Activity
- bb. Activity ID Description
- cc. Activity Level
- dd. Category
- ee. Source Type Subcategory
- ff. Source Group
- gg. Work Order
- hh. Work Task
- ii. Work Order Task (WOT) Item
- jj. WOT Item Sequence Number (Sequence numbers determine the order in which line items display in the Line Item (List) view)
- kk. Project Type
- ll. Test Type
- mm. Transaction Date
- nn. Resource Amount
- oo. Resource Quantity
- pp. WBS Parent ID
- qq. WBS Parent ID Description
- rr. Budget Period

OT-2022-30038

ss. Description

End of OT-2022-30038.

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

DATA ITEM DESCRIPTION

Title: FOD / DOD EVENT DATA

Number: OT-2022-30039

Approval Date: 20221115

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Foreign Object Damage (FOD) / Domestic Object Damage (DOD) Event Data is used to document Foreign Object (FO), FOD, Domestic Object (DO), and DOD events.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The FOD / DOD Event Data shall be in the contractor's electronic format.
3. **Content.** The FOD / DOD Event Data shall contain the following:
 - a. Date and time of event
 - b. Date reported to the AEDC Operations Center
 - c. Name and phone number for point of contact
 - d. Mission Area (Aeropropulsion, Flight, Space & Missiles, Technology, other)
 - e. Test Unit or Plant
 - f. Affected asset
 - g. Time since last overhaul / preventive maintenance (PM)
 - h. Location discovered
 - i. Engine model, type, serial number (S/N) (if applicable)
 - j. Event type (FO, FOD, DO, DOD)
 - k. Description of event
 - l. Estimated cost to repair (labor and materials)
 - m. Impound imposed (Y/N)
 - n. Investigation result
 - o. Preventable / non-preventable

- p. FO / DO source
- q. Root cause category
- r. Root cause sub-category

End of OT-2022-30039.

DATA ITEM DESCRIPTION

Title: FOD / DOD EVENTS FINAL REPORT

Number: OT-2022-30040

Approval Date: 20221115

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: This Foreign Object Data (FOD) / Domestic Object Damage (DOD) Events Final Report is used to document final investigations involving FOD and DOD events.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The FOD / DOD Event Final Report shall be in the contractor's electronic format.
3. **Content.** The FOD / DOD Event Final Report shall contain the following:
 - a. Date and time of event
 - b. Event type (FOD or DOD)
 - c. Test Unit or Plan
 - d. Location discovered and affected asset(s)
 - e. Impound imposed (Yes/No)
 - f. Time since last overhaul / preventive maintenance (PM)
 - g. Foreign Object (FO) / Domestic Object (DO) source
 - h. Root cause
 - i. Preventable / non-preventable
 - j. Contractor culpability (self-assessment)
 - k. Cost to repair (labor and materials)
 - l. Engine model, type, serial number (S/N) (if applicable)
 - m. Name and Phone Number for point of contact

End of OT-2022-30040.

DATA ITEM DESCRIPTION

Title: FOD / DOD INITIAL REPORT

Number: OT-2022-30041

Approval Date: 20221115

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Foreign Object Data (FOD)/Domestic Object Damage (DOD) Initial Report is used to provide initial reporting of FOD and DOD events.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The FOD / DOD Initial Report shall be in the contractor's electronic format.
3. **Content.** The FOD / DOD Initial Report shall contain the following:
 - a. Date and time of event
 - b. Date reported to the AEDC Operations Center
 - c. Event type (FOD or DOD) (if known)
 - d. Test Unit or Plant
 - e. Location discovered and affected asset(s)
 - f. Foreign Object (FO) / Domestic Object (DO) source (if known)
 - g. Description of event
 - h. Engine model, type, serial number (S/N) (if applicable)
 - i. Estimated Cost to Repair (Labor and Materials)
 - j. Name and phone number for point of contact

End of OT-2022-30041.

DATA ITEM DESCRIPTION

Title: FOREIGN TECHNOLOGY TEST FACILITY DATABASE

Number: OT-2022-30042

Approval Date: 20221115

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/XP2)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Foreign Technology Test Facility Database contains the characteristics and capabilities of worldwide test facilities and is maintained at the Top Secret / Sensitive Compartmented Information (SCI) level.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Foreign Technology Test Facility Database shall be in the contractor's electronic format.
3. **Content.** The Foreign Technology Test Facility Database shall contain the characteristics and capabilities of worldwide test facilities. The contractor shall keep this database up to date and accurate.

End of OT-2022-30042.

DATA ITEM DESCRIPTION

Title: GUIDELINES

Number: OT-2022-30043

Approval Date: 20221115

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: Guidelines are used to provide guidance that may assist in accomplishing work at Arnold Engineering Development Complex (AEDC). A Guideline may include a preferred method, but does not include a required method to accomplish an activity or process. Information provided in Guidelines is optional and for the benefit of the work performer to help efficiently execute the work and provide additional clarification.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None
2. **Format.** Guidelines shall be in the contractor's electronic format using either Microsoft Word or Adobe Portable Document Format (PDF). Guidelines may be in paragraph style. The document header shall be in the following format (the contractor may add additional information to the document header with approval from the Government).

TOS Guideline			Document No: Gxx-xxxx- xxxx	Page: 1 of x
Title				
Author:	Approval:	Asset ID:	Revision:	Effective Date:

The contractor shall not place company name or logo on the Guideline.

3. **Content.** Guidelines shall contain the following (the contractor may add content as necessary to comply with their own policies for document release, control, etc. with approval by the Government).
 - a. Document Number

- b. Page numbers on each page in the following format: Page X of Y, where X is the current page of the instructions and Y is the last page of the instructions
- c. Document title
- d. Author
- e. Approval
- f. Asset identification (ID) (if applicable)
- g. Revision
- h. Effective date
- i. Purpose
- j. Description of Revision
- k. Scope of Application
- l. References
- m. Definitions
- n. Process (Steps to perform work)
- o. Attachments

End of OT-2022-30043.

DATA ITEM DESCRIPTION

Title: ID&C CSSR

Number: OT-2022-30044

Approval Date: 20221115

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSDI)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Instrumentation, Data, and Controls (ID&C) Cost Schedule Summary Report (CSSR) provides summarized contract cost and schedule performance information on ID&C projects for program management purposes.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The ID&C CSSR shall be in the contractor's electronic format.
3. **Content.** The ID&C CSSR shall contain the following:
 - a. Column Headers
 - (1) Project / Activity Number / Work Order
 - (2) Project Name
 - (3) Percent complete
 - (4) Physical percent complete (if required)
 - (5) Planned Value (PV)
 - (6) Earned Value (EV)
 - (7) Actual Cost (AC)
 - (8) Cost Variance (CV)
 - (9) Schedule Variance (SV)
 - (10) Cost Performance Index (CPI)
 - (11) Schedule Performance Index (SPI)
 - (12) To Complete Performance Index (TCPI)
 - (13) Baseline cost
 - (14) Estimate at Completion (EAC)

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(15) Estimate to Completion (ETC)

(16) Performance Status

b. Row Headers: Include applicable Work Breakdown Structure (WBS) elements under the project name

End of OT-2022-30044.

DATA ITEM DESCRIPTION

Title: ID&C ENTERPRISE INTEGRATED RESOURCE SCHEDULE

Number: OT-2022-30045

Approval Date: 20221115

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Instrumentation, Data, and Controls (ID&C) Enterprise Integrated Resource Schedule is used to provide the Government oversight and collaboration into the utilization and occupancy of the ID&C lab and enterprise resource scheduling activities.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The ID&C Enterprise Integrated Resource Schedule shall be in the contractor's electronic format.
3. **Content.** The ID&C Enterprise Integrated Resource Schedule shall contain the following:
 - a. Enterprise Resource
 - b. Software Configuration
 - c. Utilization Requests
 - d. Actual Utilization Rate
 - e. Planned Milestones
 - f. Resource Constraints / Conflicts
 - (1) Personnel
 - (2) Enterprise Lab Assets
 - (3) Fielded Hardware
 - (4) Procurements
 - g. Planned Configuration Changes / Outages

End of OT-2022-30045.

DATA ITEM DESCRIPTION

Title: ID&C MONTHLY PMR CHARTS

Number: OT-2022-30046

Approval Date: 20221117

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSDI)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Instrumentation, Data, and Controls (ID&C) Monthly Program Management Review (PMR) Charts provide Arnold Engineering Development Complex (AEDC) Project Managers with insight into current status and issues relevant to ongoing ID&C projects.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The ID&C Monthly PMR Charts shall be in the contractor's electronic format using MicroSoft PowerPoint.
3. **Content.** The ID&C Monthly PMR Charts shall contain the following and reports can be consolidated for multiple projects:
 - a. Project List, Dashboard, Schedule, Quad Chart
 - b. For Dashboard, per project, list:
 - (1) Test Cell
 - (2) Work Breakdown Structure (WBS)
 - (3) Start Date
 - (4) Completion Date
 - (5) Cost, Schedule, and Performance Data
 - c. Gantt Chart Schedule
 - d. For Quad Chart:
 - (1) Top-Left – Project Description, Total Funding, Manhours required by ID&C Category
 - (2) Bottom-Left – A Financial Execution Chart of Actuals vs Plan, with Plan revisions
 - (3) Top-Right – A Cost, Schedule, and Performance assessment with notes

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(4) Bottom-Right – Issues and Impacts

End of OT-2022-30046.

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

DATA ITEM DESCRIPTION

Title: ID&C MONTHLY UNFUNDED REQUIREMENTS REPORT

Number: OT-2022-30047

Approval Date: 20221117

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Instrumentation, Data, and Controls (ID&C) Monthly Unfunded Requirements Report is used to provide the Government technical analysis to assist in documenting, determining, and validating capability gaps for current and future mission requirements for ID&C capabilities. Items can include but are not limited to observations, additions, and deletions. Collaboration can be performed through reporting or a recurring meeting.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The ID&C Monthly Unfunded Requirements Report shall be in the contractor's electronic format.
3. **Content.** The ID&C Monthly Unfunded Requirements Report shall contain the following:
 - a. Observations, additions, deletions, and collaboration to the Government-maintained ID&C Unfunded Requirements List.
 - b. If additions are recommended, a description, cost estimate for labor and material, subject matter expert, recommended priority, and point of contact (POC) is required

End of OT-2022-30047.

DATA ITEM DESCRIPTION

Title: ID&C MORNING REPORT

Number: OT-2022-30048

Approval Date: 20221117

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Instrumentation, Data, and Controls (ID&C) Morning Report is used to provide the Government with status of ID&C assets and mechanical assets with ID&C sub-components within each test facility. Items can include but are not limited to meeting objectives, discrepancies discovered during the previous test / run, reconfiguration requirements, Lost Test Time (LTT), maintenance activities and challenges, failures, and Lost Activity Time (LAT).

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The ID&C Morning Report shall be in the contractor's electronic format.
3. **Content.** The ID&C Morning Report shall contain the following, with items reported through completion with new information clearly discernable from historical information:
 - a. Mission Area
 - b. Test Unit
 - c. ID&C Asset or ID&C Sub-Component
 - (1) Impact statement including LTT/LAT as applicable
 - (2) Analysis of failure (root cause)
 - (3) Plan for correction and timeline for corrective actions to be taken to restore to needed functionality
 - e. Identification of ID&C resource or scheduling issues which may hinder test support
 - (1) Impact statement
 - (2) Plan for correction and timeline for corrective actions to be taken
 - (3) Next run/test date, test project name/identifier (ID)

End of OT-2022-30048.

DATA ITEM DESCRIPTION

Title: ID&C PROGRESS REPORT

Number: OT-2022-30049

Approval Date: 20221117

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Instrumentation, Data, and Controls (ID&C) Progress Report provides Air Force Project Managers with the ability to manage and direct ID&C projects.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The ID&C Progress Report shall be in the contractor's electronic format.
3. **Content.** The ID&C Progress Report shall contain the following:
 - a. Summary header including: Work Breakdown Structure (WBS) Identifier (ID), WBS Description, Point of Contact Information, and Report Submitted Date
 - b. Summary WBS level information as required
 - c. Summary financial data including: WBS ID, Project Number, Project Description, Responsible Company, Program Element Code (PEC), Fund Code, Contractor Labor Hours, Contractor Labor Dollars, Contractor Material Dollars, Contractor Pool Dollars, Government Labor Hours, Government Material Dollars, Government Pool Dollars, and Total Dollars
 - d. Activity information for each project with updates and new information clearly discernable from historical project activity. Activity information should include information concerning project progress, milestone readiness and achievement, potential risks and issues, procurement activities, and other information as needed.

Suggested template format provided on following page.

5.X.X.X Example Program Status
TOS POC: First Last Submitted: DDMMYYYY

Summary Information:

John Smith has reporting oversight for the Example Program. Please contact Mr. Smith concerning any information contained within this report.

John Smith
(931) 454-XXXX
john.smith.ctr@us.af.mil

The intent of this report is to reflect progress made on the projects on a bi-weekly basis. Progress or delays on near term milestones, outages, concerns, and victories are all candidates for reporting. Updates to previously provided status and new information are heightened in blue.

The table below illustrates the XXXX Program WBS 5.X.X.X FYXX Rev X Workload:

AEDC WBS Id	Project Id	Project Descr	Responsible Company	PEC Code	Fund Code	Contr Labor Hours	Contr Labor \$	Contr Material \$	Contr Pool \$	Govt Labor Hours	Govt Labor \$	Govt Material \$	Govt Pool \$	TOTAL \$
Grand Total						20,832	\$1,374,871	\$388,524	\$11,507			\$10		\$1,774,912
5 Total						20,832	\$1,374,871	\$388,524	\$11,507			\$10		\$1,774,912
5.1.1.1 Total						20,832	\$1,374,871	\$388,524	\$11,507			\$10		\$1,774,912
5.1.1.1	13612	ETF Plant IT Maint	TOS10	65807F	TS17	0	\$0	\$0	\$0					\$0
	13613	Altitude Test System Maint	TOS10	65807F	TS17	0	\$0	\$0	\$0					\$0
	14144	C-Side NEFF SC Replacement	TOS10	65807F	R1729	0	\$0	\$0	\$0					\$0
	14701	Replace B Plant TEC	TOS10	65807F	TS22	1,677	\$125,802	\$0	\$0					\$125,802
	14713	Next Generation Netscanner	TOS10	65807F	TS22	3,397	\$24,397	\$0	\$0					\$24,397
	14714	Develop & Deploy Data Source	TOS10	65807F	TS22	7,123	\$7,123	\$7,454	\$2,924					\$150,500
	14743	Facility Control and Monitorin	TOS10	65976F	R1822	2,517	\$175,679	\$0	\$0					\$175,679
	15004	Turb ID&C Tst Sys ETF Plt Main	TOS10	65807F	TS18	7,857	\$9,788	\$9,448	\$0			\$10		\$695,231
	15006	Turb ID&C Tst Sys Alt Maint	TOS10	65807F	TS18	3,364	\$219,943	\$0	\$0					\$264,895
	15007	Turb ID&C Tst Sys Sea Lvl Main	TOS10	65807F	TS18	2,351	\$149,539	\$20,224	\$0					\$170,370
	15008	Turb ID&C Tst Sys Adaptive Mnt	TOS10	65976F	R1822	807	\$57,243	\$6,460	\$194					\$63,897
	15009	A/D Converters Net Gen CADDMAS	TOS10	65976F	R1822	620	\$43,306	\$3,696	\$108					\$47,010
	15010	T11 ID&C Upgrades	TOS10	65976F	R1822	368	\$27,136	\$17,554	\$527					\$45,217
	15115	C1/C2 DCR Segregation	TOS10	65807F	TS18	150	\$11,914	\$0	\$0					\$11,914

Project 12345 – Example Project Name:

- Status from project submitted two weeks ago.
- Status from project submitted two weeks ago **now with new information**.
- **New activity since last submitted status.**

Project 98765 – Example Project Name 2:

- Preliminary Design Review was held with success on DDMMYYYY. Project was given authority to proceed into detailed design and perform early procurement of some long lead time materials.
- Project awaiting material ordered on DDMMYYYY. **PO has been created. Expecting delivery on DDMMYYYY which will keep project on track.**
- **Critical Design Review has been scheduled**

End of OT-2022-30049.

DATA ITEM DESCRIPTION

Title: ID&C PROJECT SCHEDULE

Number: OT-2022-30050

Approval Date: 20221117

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Instrumentation, Data, and Controls (ID&C) Project Schedule provides Air Force Project Managers the ability to manage and direct ID&C projects.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The ID&C Project Schedule shall be in the contractor's electronic format.
3. **Content.** The ID&C Project Schedule shall be developed for all projects in accordance with the generally accepted professional practices of the project management field as described in the Project Management Body of Knowledge (PMBOK). The schedule shall provide a tracking Gantt Chart, a PERT or Network Chart, Resource assignments and hours, multiple baseline recording, calculation of a critical path and other project analysis measures in accordance with the PMBOK. For projects exceeding \$500,000, the contractor shall comply with the Air Force Instruction (AFI) 63-101/20-101, *Integrated Life Cycle Management*, in addition to following PMBOK guidelines. (A copy of the AFI is available online at: <https://www.e-publishing.af.mil/>.)

End of OT-2022-30050.

DATA ITEM DESCRIPTION

Title: INJURY MISHAP REPORT

Number: OT-2022-30051

Approval Date: 20221117

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/SE)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Injury Mishap Report documents the results of the contractor's mishap prevention program.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The Injury Mishap Report shall be in the contractor's electronic format.
3. **Content.** The Injury Mishap Report shall contain the following. All mishap incident classes referenced below shall be as defined in the Glossary of the Department of the Air Force Instruction (DAFI) 91-204, *Safety Investigations and Reports*. (A copy of the DAFI can be found online at <http://www.e-publishing.af.mil/>.)
 - a. Monthly Class A / B / C / D injury rates/goals and summary of incidents
 - b. Monthly Class A / B / C / D / E property damage numbers and summary of incidents
 - c. Monthly injury and property damage trend analysis

End of OT-2022-30051.

DATA ITEM DESCRIPTION

Title: INTEGRATED RDT&E ASSET MANAGEMENT PLAN

Number: OT-2022-30052

Approval Date: 20221117

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: None

Use/Relationship: The Integrated Research, Development, Test and Evaluation (RDT&E) Asset Management Plan provides the information necessary to plan and execute the lifecycle operation and sustainment (O&S) of Arnold Engineering Development Complex's (AEDC) RDT&E assets (test cell, plant, test utility, test fuels, and technology / research systems including Test Instrumentation, Data, and Controls (ID&C) assets). The plan serves as the execution plan for the current fiscal year and the planning and requirements document used to establish a six-year projection of O&S performance and process improvements that support the Future Year Defense Plan (FYDP) planning and programming process at AEDC.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Integrated RDT&E Asset Management Plan shall be in the contractor's electronic format.
3. **Content.** The Integrated RDT&E Asset Management Plan shall contain the following:
 - 3.1 General
 - a. Purpose
 - b. Scope
 - c. Strategic Direction
 - d. Current Environment
 - e. Assumptions
 - f. Technical Approach
 - g. Responsibilities and Interfaces
 - 3.2 Asset Management Overview
 - a. General
 - b. Projects and Funding
 - c. Work Management Program

- d. Configuration Management Program
 - e. Preventive Maintenance Program
 - f. Conditioned Based Maintenance / Prognostics Program
 - g. Operations and Maintenance Analysis Program
 - h. Pressure and Hazardous Material System (PHMS) Support Program
 - i. Skills and Training Program
 - j. Process Improvements and Cost Reductions
 - k. Integrated Issues and Needs (Current Fiscal Year [FY])
 - l. Integrated Issues and Needs (Next FY)
 - m. Integrated Future Issues and Needs
- 3.3 Aeropropulsion Mission Area
- a. General
 - b. Projects and Funding
 - c. Issues and Needs (Current FY)
 - d. Issues and Needs (Next FY)
 - e. Future Issues and Needs
- 3.4 Flight Mission Area
- a. General
 - b. Projects and Funding
 - c. Issues and Needs (Current FY)
 - d. Issues and Needs (Next FY)
 - e. Future Issues and Needs
- 3.5 Space and Missiles Mission Area
- a. General
 - b. Projects and Funding
 - c. Issues and Needs (Current FY)
 - d. Issues and Needs (Next FY)
 - e. Future Issues and Needs
- 3.6 National Full Scale Aerodynamics Complex (NFAC)
- a. General
 - b. Projects and Funding
 - c. Issues and Needs (Current FY)
 - d. Issues and Needs (Next FY)
 - e. Future Issues and Needs
- 3.7 Hypervelocity Tunnel 9
- a. General
 - b. Projects and Funding
 - c. Issues and Needs (Current FY)

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- d. Issues and Needs (Next FY)
- e. Futures Issues and Needs
- 3.8 Technology Laboratories and Research Areas
 - a. General
 - b. Projects and Funding
 - c. Issues and Needs (Current FY)
 - d. Issues and Needs (Next FY)
 - e. Future Issues and Needs
- 3.9 Test Utilities
 - a. General
 - b. Projects and Funding
 - c. Issues and Needs (Current FY)
 - d. Issues and Needs (Next FY)
 - e. Future Issues and Needs
- 3.10 Test Fuels
 - a. General
 - b. Projects and Funding
 - c. Issues and Needs (Current FY)
 - d. Issues and Needs (Next FY)
 - e. Future Issues and Needs
- 3.11 Test ID&C
 - a. General
 - b. Projects and Funding
 - c. Integrated Issues and Needs (Current FY)
 - d. Aeropropulsion Issues and Needs (Current FY)
 - e. Flight Issues and Needs (Current FY)
 - f. Space & Missiles Issues and Needs (Current FY)
 - g. Test Utilities Issues and Needs (Current FY)
 - h. Test Fuels Issues and Needs (Current FY)
 - i. Integrated Issues and Needs (Next FY)
 - j. Aeropropulsion Issues and Needs (Next FY)
 - k. Flight Issues and Needs (Next FY)
 - l. Space & Missiles Issues and Needs (Next FY)
 - m. Test Utilities Issues and Needs (Next FY)
 - n. Test Fuels Issues and Needs (Next FY)
 - o. Issues and Needs (Next FY)
 - p. Integrated Future Issues and Needs
 - q. Future Aeropropulsion Issues and Needs

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- r. Future Flight Issues and Needs
- s. Future Space & Missiles Issues and Needs
- t. Future Test Utilities Issues and Needs
- u. Future Test Fuels Issues and Needs

End of OT-2022-30052.

DATA ITEM DESCRIPTION

Title: INTEGRATED SCHEDULE

Number: OT-2022-30053

Approval Date: 20221117

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Integrated Schedule is used to schedule work at Arnold Engineering Development Complex (AEDC). The Integrated Scheduling process documents the planning and scheduling effort across AEDC to ensure work is performed efficiently and effectively. Various ranges of schedules with numerous interrelated activities, facilities and entities are involved. The complexity of the relationships, the dynamics of the workload, and the size of some activities must be accurately depicted to ensure minimization of conflict.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Integrated Schedule shall be in electronic format; the contractor may utilize the current AEDC Consolidated Scheduling Process or provide an alternative format. The Integrated Schedule shall be available to all users on the AEDC intranet.
3. **Content.** The Integrated Schedule shall contain a daily, 2-week, 90-day, annual and out-year (at least 5 years) schedule of activities. The 90-day, annual and out-year schedules will be rolling schedules ensuring there is always a current forecasted schedule for these specific periods. Only the daily and first week of the two-week schedule must be de-conflicted, and the two-week schedule shall be printed weekly for Government approval.

The following shall be included on all schedules:

- a. Project / Activity number
- b. Test cell / unit / facility
- c. Activity (description, checkout, preparation, installation, test, configuration, removal, support, etc.)
- d. Scheduled month / day / time
- e. Estimated time of completion
- f. End of Test
- g. Duration (Air-on Hours, User Occupancy Hours, etc.)

- h. Business area (Test, Maintenance, Capital Improvement, Base Support)
- i. Mission area (Propulsion, Flight, Space & Missiles, Tunnel 9, National Full-scale Aerodynamics Complex (NFAC), National Radar Cross Section Test Facility (NRTF), Landing Gear Test Facility (LGTF), Aerospace Vehicle Test Facility (AVSF), Technology)
- j. Resource utilization / projections / estimate at completion (EAC) (fuel, high pressure, air, electricity, water, liquid nitrogen, etc.)
- k. Outage(s) (requestor / point of contact / planned start / completion)

End of OT-2022-30053.

DATA ITEM DESCRIPTION

Title: ITIP CANDIDATE TOPIC LIST

Number: OT-2022-30054

Approval Date: 20221117

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Integrated Technology Investment Program (ITIP) Candidate Topic List provides the Government with a long-term plan for technology investment topics. The plan also provides a history of what topics have been attempted in the past to satisfy shortcomings. The plan is intended to be a living document, managed by the Government. It will be used to plan follow-on annual budgeting decisions. Topics for technology development are expected to be in facility capability, software, instrumentation, and test and evaluation methodology.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The ITIP Candidate Topic List shall be in the contractor's electronic format.
3. **Content.** The ITIP Candidate Topic List shall include the following:
 - a. Title
 - b. Date of Release
 - c. Topic description and benefits
 - d. Planning period

End of OT-2022-30054.

DATA ITEM DESCRIPTION

Title: LOGISTICS OPERATING PROCEDURES

Number: OT-2022-30055

Approval Date: 20221117

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD-LG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Logistics Operating Procedures will be used to ensure interoperability between multiple contractors that use different sets of contractor-developed procedures pertinent to Defense Priorities and Allocations System (DPAS) managed assets. The Logistics Operating Procedures will also be used to identify weaknesses in internal controls and shortfalls in the chain of custody as property moves between multiple contractors.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

Reference documents. None.

Format. The Logistics Operating Procedures shall be in the contractor's electronic format using either Microsoft Word or Adobe Portable Document Format (PDF). The procedures shall be in play script style (numbered steps with a sign off at each step) to be followed in the specified order.

Content. The Logistics Operating Procedures shall include the following:

- a. Acquisition
- b. Receiving
- c. Identification
- d. Records maintenance
- e. Storage
- f. Movement
- g. Utilization
- h. Consumption
- i. Reports
- j. Sub-Contractor Control
- k. Maintenance

OT-2022-30055

- l. Inventory
- m. Disposition
- n. Contract Close-out

End of OT-2022-30055.

DATA ITEM DESCRIPTION

Title: LOGISTICS PERSONNEL TRAINING AND CERTIFICATION REPORT

Number: OT-2022-30056

Approval Date: 20221121

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD-LG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Logistics Personnel Training and Certification Report will be used to track proof of personnel that have completed training required by the contractor and demonstration of certification received.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Logistics Personnel Training and Certification Report shall be in the contractor's electronic format.
3. **Content.** The Logistics Personnel Training and Certification Report shall include the following:
 - a. Employee Name
 - b. Employee Number
 - c. Date Training/Certification Completed
 - d. Date Training/Certification Expires
 - e. Applicable PWS Reference
 - f. Type of Security Clearance
 - g. Authorized to handle/accept Controlled/Sensitive material (Yes or No)

End of OT-2022-30056.

DATA ITEM DESCRIPTION

Title: MAINTENANCE MANAGEMENT INFORMATION

Number: OT-2022-30057

Approval Date: 20221121

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Maintenance Management Information documents the data required to be entered into the Computerized Maintenance Management System (CMMS). The general purpose of the CMMS is to serve as a workflow management process and repository of asset information (system of record). The CMMS provides information to facilitate management of systems, equipment, and sustainment activities, including but not limited to work management, asset management, inventory management, configuration management, purchasing, and financial accounting. The maintenance management information provides cost, schedule and performance information for day-to-day maintenance activity as well as large maintenance and repair projects. The data queried from the CMMS is used for a multitude of purposes, including but not limited to reporting metrics to Department of Defense (DoD) and other agencies; tracking maintenance execution performance; measuring asset performance (e.g., reliability); analyzing operations and maintenance events and actions; and managing sustainment of assets.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Maintenance Management Information shall comply with the CMMS software's data entry requirements.
3. **Content.** The Maintenance Management Information shall contain the following:
 - a. Workflow Management (Data to track and manage work activities from initial request through completion and recording of actuals)
 - b. Asset Management (Data to track, manage, and analyze assets throughout their lifecycle; asset documentation; and configuration management)
 - c. Inventory Management (Data to track, manage, and analyze asset related inventory)
 - d. Procurement Management (Data to track and manage procurements from initial request through acceptance of goods or services)

End of OT-2022-30057.

DATA ITEM DESCRIPTION

Title: MACHINE AND FABRICATION REPORT

Number: OT-2022-30058

Approval Date: 20221121

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Machine and Fabrication Report provides the Government on the performance and progress of the work performed in the machine and fabrication areas.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Machine and Fabrication Report shall be in the contractor's electronic format.
3. **Content.** The Machine and Fabrication Report shall include events from first day through the last day of the month and shall include contract period to date and fiscal year (FY) to date information, and shall contain the following:
 - a. Work performed
 - b. Original cost estimates vs. actual costs
 - c. Required completion dates vs. actual completion dates
 - d. Rework analysis and recommendations

End of OT-2022-30058.

DATA ITEM DESCRIPTION

Title: MATERIAL TESTING AND WELDING REPORT

Number: OT-2022-30059

Approval Date: 20221121

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Material Testing and Welding Report provides the Government with data on the performance and progress of the work performed in the Material Testing Laboratory and welding.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Material Testing and Welding Report shall be in the contractor's electronic format.
3. **Content.** The Material Testing and Welding Report shall describe events from first day through the last day of the month and shall include contract period to date and fiscal year (FY) to date information, and shall include the following:
 - a. Work performed
 - (1) Non Destructive Examination (NDE)
 - (2) Metallurgical
 - b. Field inspection results
 - c. Required completion dates vs. actual completion dates

End of OT-2022-30059.

DATA ITEM DESCRIPTION

Title: MANAGEMENT INTERNAL CONTROL TOOLSET (MICT) SELF-ASSESSMENT REPORT

Number: OT-2022-30060

Approval Date: 20221121

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD-LG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Management Internal Control Toolset (MICT) Self-Assessment Report will be used to document compliance with contract Federal Acquisition Regulation (FAR) clauses, contract requirements, or headquarters Air Force Materiel Command (HQ AFMC) requirements in accordance with Arnold Engineering Development Complex (AEDC) MICT Business Rules. (Copies of the AEDC MICT Business Rules are available by sending a document request by email to AEDC/TSD-LG at: aedc.tsd-lg.workflow@us.af.mil).

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
- 2. Format.** The format for the MICT Self-Assessment Report will be as prescribed by electronic submission in the MICT database at <https://mict.cce.af.mil/> under the “Assigned Assessments” tab, and exported using the “Print Assessment” option.
- 3. Content.** The content for the MICT Self-Assessment Report shall comply with paragraph 2.5 of Air Force Instruction (AFI) 90-201, *The Air Force Inspection System*, and must include assessment notes, findings, root causes, references, impacts, corrective action plans for all discrepancies, and estimated completion dates. (A copy of the AFI is available online at <http://www.e-publishing.af.mil/>.)

End of OT-2022-30060.

DATA ITEM DESCRIPTION

Title: MILCON PROJECT DATA

Number: OT-2022-30061

Approval Date: 20221121

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: DD Form 1391/1391C

Use/Relationship: Military Construction (MILCON) Project Data is used by the Government to plan and execute MILCON and Test Facility Acquisition Programs. It defines the scope of individual projects, provides their justifications, and specifies estimated costs. The document is submitted to Headquarters Air Force Materiel Command (HQ AFMC) and other Department of Defense (DoD) agencies for approval. For MILCON projects, follow Air Force Instruction (AFI) 32-1023, *Designing and Constructing Military Construction Projects*; and AFI 32-1020, *Planning and Programming Built Infrastructure Projects*. (Copies of the AFIs are available online at: <http://www.e-publishing.af.mil/>.)

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** MILCON Project Data shall be in electronic format using the DD Form 1391/1391C "Military Construction Project Data." Support data shall be in the contractor's electronic format.
3. **Content.** MILCON Project Data shall include a fully completed DD Form 1391/1391C. Attach data to support cost estimates, site plans, and environmental requirements.

End of OT-2022-30061.

DATA ITEM DESCRIPTION

Title: MUNITIONS ACCOUNTABILITY TURN-IN REQUEST (MATR)

Number: OT-2022-30062

Approval Date: 20221121

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Munitions Accountability Turn-In Request (MATR) is used to document the return of all excess, restricted, or suspended munitions assets to the Department of Defense Activity Address Code (DoDAAC) stock record account.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The MATR shall be in the contractor's electronic format accessible by the Government from Non-classified Internet Protocol (IP) Router Network (NIPRNet)-connected workstations.
3. **Content.** The MATR shall contain the following:
 - a. Custodian Name
 - b. Custodian Phone Number
 - c. Custodian Email Address
 - d. Munitions Account Number
 - e. Date Turn-In Request Submitted
 - f. Date of Asset Turn-In
 - g. National Stock Number (NSN)
 - h. Lot Number
 - i. Serial Number (S/N)
 - j. Document Number
 - k. Nomenclature
 - l. Quantity (i.e., unit of issue)

- m. Category Code (if applicable) (see Table 1 below)
- n. Condition Code (if known) (see Table 1 below)
- o. Structure (i.e., building)
- p. Location (e.g., section, zone, aisle, level, row, etc.)
- q. Justification or Reason for Turn-In
- r. Distribution Statement, as appropriate, in accordance with Department of Defense Instruction (DoDI) 5230.24, *Distribution Statements on Technical Documents*. (A copy of the DoDI is available online at: <https://www.esd.whs.mil/>.)
- s. Classification markings, as necessary, in accordance with DoD Manual (DoDM) 5200.01, Volume 2, *DoD Information Security Program: Marking of Information*. (A copy of the DoDM is available online at: <https://www.esd.whs.mil/>.)

Table 1. Condition and Category Codes

Condition Code	Brief Description	Description
ACC A	SERVICEABLE (ISSUABLE WITHOUT QUALIFICATION)	<p>E-1. New, used, repaired, or reconditioned materiel that is serviceable and issuable to all units without limitations or restrictions. This includes materiel with more than six months shelf life remaining.</p> <p>E-2. Normal incidental requirements for additional packaging, packing, marking, and so forth that can be accomplished at the time of issue (without requiring added resources, manpower, or delays) do not constitute a restriction.</p>
ACC B	SERVICEABLE (ISSUABLE WITH QUALIFICATION)	<p>E-3. New, used, repaired, or reconditioned materiel that is serviceable and issuable for its intended purpose; however, it is restricted from issue to specific units, activities, or geographical areas by reasons of its limited usefulness or short-service life expectancy. This includes materiel with three through six months shelf life remaining.</p> <p>E-4. Normal incidental requirements for additional packaging, packing, or marking, and so forth that can be accomplished at the time of issue (without requiring any added resources, manpower, or delays) do not constitute a restriction. This includes items restricted to, or from, a specific mission.</p>
ACC C	SERVICEABLE (PRIORITY OF ISSUE)	<p>E-5. Items that are serviceable and issuable to selected customers, but that must be issued before conditions A and B materiel to avoid loss as usable assets. Includes materiel with less than three months shelf life remaining.</p>

ACC D	SERVICEABLE (TEST OR MODIFICATION)	E-6. Serviceable materiel requiring test, alteration, modification, conversion, or disassembly. This does not include items that must be inspected or tested immediately before issue.
ACC E	UNSERVICEABLE (LIMITED RESTORATION)	E-7. Materiel that involves only limited expense or effort to restore to serviceable condition and is accomplished in the Munitions Storage Area (MSA) where the stock is located. Minor maintenance is exterior to the round or munitions. Includes all repair of external surfaces and repair or replacement of packaging, packing, palletizing, and marking.
ACC F	UNSERVICEABLE (REPARABLE)	E-8. Economically repairable materiel that requires repair, overhaul, or reconditioning. Includes repairable items that are radioactively contaminated. Major maintenance usually requires replacement of end item components or modification.
ACC G	UNSERVICEABLE (INCOMPLETE)	E-9. Materiel requiring additional parts or components to complete the end item prior to issue.
ACC H	UNSERVICEABLE (CONDEMNED)	E-10. Materiel that has been determined to be unserviceable and does not meet repair criteria (includes condemned items that are radioactively contaminated). This includes materiel determined to be uneconomically repairable.

ACC J	SUSPENDED (IN STOCK)	<p>E-11. Materiel in stock that has been suspended from issue and use pending condition classification or analysis, where the true condition is not known.</p> <p>E-12. Includes temporarily suspended materiel pending serviceability determination. Includes United States Air Force (USAF) materiel identified and held for future test or surveillance requirements, either destructive or nondestructive in nature. May contain formerly serviceable assets that became unserviceable by reason of being reserved for test or that the shelf or service life has expired. Army ammunition that has missed two scheduled periodic inspections is included.</p>
ACC K	SUSPENDED (RETURNS)	E-13. Materiel returned from users and awaiting condition classification. Includes items identified by stock number and item name, but not examined for condition. Stocks in this Condition Code (CC) will be inspected and properly classified as to condition in accordance with appropriate regulations. When more time is required, an extension may be granted by the applicable supply distribution activity.
ACC L	SUSPENDED (LITIGATION)	E-14. Materiel held pending litigation or negotiation with contractors or common carriers.
ACC M	SUSPENDED (IN WORK)	E-15. Materiel identified on inventory control records, but which has been turned over to a maintenance facility or contractor for processing.
ACC N	SUITABLE FOR EMERGENCY COMBAT USE	E-16. Munitions stocks suspended from issue except for emergency combat use.
ACC P	UNSERVICEABLE (RECLAMATION)	E-17. Materiel determined to be unserviceable, uneconomically reparable due to a physical inspection, tear-down, or engineering decision. Items contain serviceable components or assemblies to be reclaimed.

Category Code	Brief Description	Full Description
A	REPLACE UNSERVICEABLE ITEMS	<p>Category (Cat) A - Provides for a requisitioning objective to support immediate replacement of critical items allocated in another Category. Replacement requirements are based on high-use of the item during daily or current operations, shelf or service life expiration, vest and kit requirements, or time-change issues.</p> <p>Cat A shall not be used to construct arbitrary stock levels.</p>
B	GROUND FORCES AND EXPLOSIVE ORDNANCE DISPOSAL (EOD) COMBAT	<p>Category B - Munitions required for all ground forces for use upon arrival at deployed location in preparation for combat and operational missions. EOD Cat B allocations may be used in wartime to support Cat D training to maintain qualification and proficiency while deployed.</p>
C	NON-EXPEND TRAINING AND TES	<p>Category C - Munitions used in weapons loading, or assembly training, including dispensing systems.</p>
D	EXPENDABLE TRAINING	<p>Category D - Operational or Tactical evaluations for Aircrew, Ground, Security Forces, Special Operations Forces, Search and Rescue, Para-Rescue, and EOD personnel.</p> <p>User is expected or required to expend munitions to complete training.</p>

E	TEST AND DEVELOPMENT MUNITIONS	<p>Category E - Allocation provides authorization to use, expend, destroy, permanently modify, change identity of munitions directly associated with or used in Destructive Development Test and Evaluation projects.</p> <p>Items not expected to return to inventory in either serviceable condition or with same NSN.</p>
F	WARTIME FLY-AWAY MUNITIONS	<p>Category F - Allocations specifically equip bomber, fighter, airlift and Special Operations Forces (SOF) aircraft (if SOF activities are included in Cat G) with munitions that would reduce aircraft regeneration or aircrew preparation time upon arrival at the deployed location.</p>
G	NON-NUCLEAR CONSUMABLES ANNUAL ANALYSIS (NCAA) DERIVED WAR-RESERVE MATERIEL (WRM)	<p>Category G - Combat munitions requirements derived from the NCAA process, which outlines near-year and out-year requirements for each theater.</p>
M	PREPOSITIONED SHIPS	<p>Category M - Designates the portion of the munitions stockpile to be located on board Afloat Preposition ships (PREPO).</p>
N	FOREIGN MILITARY (MIL) TRAINING AND OPERATION	<p>Category N - Allocations set aside for Foreign Military Sales (FMS) or USAF owned munitions to support training, tests and other operations documented in letters and memorandums of agreement (LOAs/MOAs) between foreign countries and the United States Government.</p>

P	POSITIONING OBJECTIVE	<p>Category P - After stockpile allocations and global asset positioning plans for the upcoming fiscal year have been determined, Major Commands (MAJCOMs) may receive Category P allocations of the remaining inventory to support out-year requirement.</p> <p>The Ogden Air Logistics Center (OO-ALC) Stockpile Management Office assigns Cat P allocations in collaboration with applicable MAJCOMs.</p>
S	SUPPLEMENTAL ALLOCATION	Category S - Munitions and related items not addressed in the NCAA or Stockpile Allocations process. Serves to authorize loading levels in Combat Ammunition System (CAS) and maintaining on hand stock balances.
T	CURRENT OPERATIONS	Category T - Provides munitions for real-world operational situations and daily operations, including munitions for Ground Support daily chores.
U	UNSERVICEABLE TRANSFERS	Category U - Used to transfer or create shipments of unserviceable munitions to Defense Reutilization and Marketing Office (DRMO).
X	FORWARD PRESENCE	Category X - Provides combat support of in-place forces for a specified period.
Y	EOD DISPOSAL	Category Y - Used to identify and process items disposed of by EOD activities.

Z	STANDARD AIR MUNITIONS PACKAGE(STAMP)	Category Z - Used to designate assets that will be pre-positioned at STAMP locations for rapid deployment.
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End of OT-2022-30062.

DATA ITEM DESCRIPTION

Title: MUNITIONS ANNUAL INVENTORY (MAI)

Number: OT-2022-30063

Approval Date: 20221121

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Munitions Annual Inventory (MAI) is used to document the annual munitions inventory the contractor performs on the munitions custody account.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The MAI shall be formatted in accordance with the Combat Ammunition System (CAS) Special Inventory Count Listing. (The CAS Special Inventory Count Listing is available by sending a document request by email to AEDC/804 TSS at: aedc.tss.workflow@us.af.mil.)
3. **Content.** The MAI shall include the following:
 - a. Inventory Serial Number (S/N)
 - b. Structure Number
 - c. Type
 - (1) Type A = Stock
 - (2) Type O = Custody
 - (3) Type C = Complete Round
 - (4) Type D = Outbound
 - (5) Type N = Non-accountable
 - d. Structure (i.e., building)
 - e. Location (e.g., section, zone, aisle, level, row, etc.)
 - f. National Stock Number (NSN)
 - g. Lot Number

- h. Document Number
- i. Condition Code (if known) (see Table 1 below)
- j. Quantity (i.e., unit of issue)
- k. Remarks (if applicable)
- l. Custodian Signature and Date
- m. Certification Statement Signature and Date
- n. Distribution Statement, as appropriate, in accordance with Department of Defense Instruction (DoDI) 5230.24, *Distribution Statements on Technical Documents*. (A copy of the DoDI is available online at: <https://www.esd.whs.mil/>.)
- o. Classification markings, as necessary, in accordance with DoD Manual (DoDM) 5200.01, Volume 2, *DoD Information Security Program: Marking of Information*. (A copy of the DoDM is available online at: <https://www.esd.whs.mil/>.)

Table 1. Condition Codes

Condition Code	Brief Description	Description
ACC A	SERVICEABLE (ISSUABLE WITHOUT QUALIFICATION)	<p>E-1. New, used, repaired, or reconditioned materiel that is serviceable and issuable to all units without limitations or restrictions. This includes materiel with more than six months shelf life remaining.</p> <p>E-2. Normal incidental requirements for additional packaging, packing, marking, and so forth that can be accomplished at the time of issue (without requiring added resources, manpower, or delays) do not constitute a restriction.</p>
ACC B	SERVICEABLE (ISSUABLE WITH QUALIFICATION)	<p>E-3. New, used, repaired, or reconditioned materiel that is serviceable and issuable for its intended purpose; however, it is restricted from issue to specific units, activities, or geographical areas by reasons of its limited usefulness or short-service life expectancy. This includes materiel with three through six months shelf life remaining.</p> <p>E-4. Normal incidental requirements for additional packaging, packing, or marking, and so forth that can be accomplished at the time of issue (without requiring any added resources, manpower, or delays) do not constitute a restriction. This includes items restricted to, or from, a specific mission.</p>
ACC C	SERVICEABLE (PRIORITY OF ISSUE)	E-5. Items that are serviceable and issuable to selected customers, but that must be issued before conditions A and B materiel to avoid loss as usable assets. Includes materiel with less than three months shelf life remaining.

ACC D	SERVICEABLE (TEST OR MODIFICATION)	E-6. Serviceable materiel requiring test, alteration, modification, conversion, or disassembly. This does not include items that must be inspected or tested immediately before issue.
ACC E	UNSERVICEABLE (LIMITED RESTORATION)	E-7. Materiel that involves only limited expense or effort to restore to serviceable condition and is accomplished in the Munitions Storage Area (MSA) where the stock is located. Minor maintenance is exterior to the round or munitions. Includes all repair of external surfaces and repair or replacement of packaging, packing, palletizing, and marking.
ACC F	UNSERVICEABLE (REPARABLE)	E-8. Economically repairable materiel that requires repair, overhaul, or reconditioning. Includes repairable items that are radioactively contaminated. Major maintenance usually requires replacement of end item components or modification.
ACC G	UNSERVICEABLE (INCOMPLETE)	E-9. Materiel requiring additional parts or components to complete the end item prior to issue.
ACC H	UNSERVICEABLE (CONDEMNED)	E-10. Materiel that has been determined to be unserviceable and does not meet repair criteria (includes condemned items that are radioactively contaminated). This includes materiel determined to be uneconomically repairable.
ACC J	SUSPENDED (IN STOCK)	E-11. Materiel in stock that has been suspended from issue and use pending condition classification or analysis, where the true condition is not known. E-12. Includes temporarily suspended materiel pending serviceability determination. Includes United States Air Force (USAF) materiel identified and held for future test or surveillance requirements, either destructive or nondestructive in nature. May contain formerly serviceable assets that became unserviceable by reason of being reserved for test or that the shelf or service life has expired. Army ammunition that has missed two scheduled periodic inspections is included.

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

ACC K	SUSPENDED (RETURNS)	E-13. Materiel returned from users and awaiting condition classification. Includes items identified by stock number and item name, but not examined for condition. Stocks in this Condition Code (CC) will be inspected and properly classified as to condition in accordance with appropriate regulations. When more time is required, an extension may be granted by the applicable supply distribution activity.
ACC L	SUSPENDED (LITIGATION)	E-14. Materiel held pending litigation or negotiation with contractors or common carriers.
ACC M	SUSPENDED (IN WORK)	E-15. Materiel identified on inventory control records, but which has been turned over to a maintenance facility or contractor for processing.
ACC N	SUITABLE FOR EMERGENCY COMBAT USE	E-16. Munitions stocks suspended from issue except for emergency combat use.
ACC P	UNSERVICEABLE (RECLAMATION)	E-17. Materiel determined to be unserviceable, uneconomically repairable due to a physical inspection, tear-down, or engineering decision. Items contain serviceable components or assemblies to be reclaimed.

End of OT-2022-30063.

DATA ITEM DESCRIPTION

Title: MUNITIONS ISSUE REQUEST (MIR)

Number: OT-2022-30064

Approval Date: 20221121

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Munitions Issue Request (MIR) is used to document munitions asset issue requests.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The MIR shall be in the contractor's electronic format accessible by the Government from Non-classified Internet Protocol (IP) Router Network (NIPRNet)-connected workstations.
3. **Content.** The MIR shall contain the following:
 - a. Custodian Name
 - b. Custodian Phone Number
 - c. Munitions Account Number
 - d. Custodian Email Address
 - e. Date Issue Request Submitted
 - f. Date Munitions Asset Required
 - g. Issue Type
 - h. National Stock Number (NSN)
 - i. Lot Number
 - j. Serial Number (S/N)
 - k. Document Number
 - l. Nomenclature
 - m. Quantity (i.e., unit of issue)

- n. Category Code (if applicable) (see Table 1 below)
- o. Condition Code (if known) (see Table 1 below)
- p. Structure (i.e., building)
- q. Location (e.g., section, zone, aisle, level, row, etc.)
- r. Custodian Signature
- s. Distribution Statement, as appropriate, in accordance with Department of Defense Instruction (DoDI) 5230.24, *Distribution Statements on Technical Documents*. (A copy of the DoDI is available online at: <https://www.esd.whs.mil/>.)
- t. Classification markings, as necessary, in accordance with DoD Manual (DoDM) 5200.01, Volume 2, *DoD Information Security Program: Marking of Information*. (A copy of the DoDM is available online at: <https://www.esd.whs.mil/>.)

Table 1. Condition and Category Codes

Condition Code	Brief Description	Description
ACC A	SERVICEABLE (ISSUABLE WITHOUT QUALIFICATION)	<p>E-1. New, used, repaired, or reconditioned materiel that is serviceable and issuable to all units without limitations or restrictions. This includes materiel with more than six months shelf life remaining.</p> <p>E-2. Normal incidental requirements for additional packaging, packing, marking, and so forth that can be accomplished at the time of issue (without requiring added resources, manpower, or delays) do not constitute a restriction.</p>
ACC B	SERVICEABLE (ISSUABLE WITH QUALIFICATION)	<p>E-3. New, used, repaired, or reconditioned materiel that is serviceable and issuable for its intended purpose; however, it is restricted from issue to specific units, activities, or geographical areas by reasons of its limited usefulness or short-service life expectancy. This includes materiel with three through six months shelf life remaining.</p> <p>E-4. Normal incidental requirements for additional packaging, packing, or marking, and so forth that can be accomplished at the time of issue (without requiring any added resources, manpower, or delays) do not constitute a restriction. This includes items restricted to, or from, a specific mission.</p>
ACC C	SERVICEABLE (PRIORITY OF ISSUE)	<p>E-5. Items that are serviceable and issuable to selected customers, but that must be issued before conditions A and B materiel to avoid loss as usable assets. Includes materiel with less than three months shelf life remaining.</p>

ACC D	SERVICEABLE (TEST OR MODIFICATION)	E-6. Serviceable materiel requiring test, alteration, modification, conversion, or disassembly. This does not include items that must be inspected or tested immediately before issue.
ACC E	UNSERVICEABLE (LIMITED RESTORATION)	E-7. Materiel that involves only limited expense or effort to restore to serviceable condition and is accomplished in the Munitions Storage Area (MSA) where the stock is located. Minor maintenance is exterior to the round or munitions. Includes all repair of external surfaces and repair or replacement of packaging, packing, palletizing, and marking.
ACC F	UNSERVICEABLE (REPARABLE)	E-8. Economically reparable materiel that requires repair, overhaul, or reconditioning. Includes reparable items that are radioactively contaminated. Major maintenance usually requires replacement of end item components or modification.
ACC G	UNSERVICEABLE (INCOMPLETE)	E-9. Materiel requiring additional parts or components to complete the end item prior to issue.
ACC H	UNSERVICEABLE (CONDEMNED)	E-10. Materiel that has been determined to be unserviceable and does not meet repair criteria (includes condemned items that are radioactively contaminated). This includes materiel determined to be uneconomically repairable.

ACC J	SUSPENDED (IN STOCK)	<p>E-11. Materiel in stock that has been suspended from issue and use pending condition classification or analysis, where the true condition is not known.</p> <p>E-12. Includes temporarily suspended materiel pending serviceability determination. Includes United States Air Force (USAF) materiel identified and held for future test or surveillance requirements, either destructive or nondestructive in nature. May contain formerly serviceable assets that became unserviceable by reason of being reserved for test or that the shelf or service life has expired. Army ammunition that has missed two scheduled periodic inspections is included.</p>
ACC K	SUSPENDED (RETURNS)	E-13. Materiel returned from users and awaiting condition classification. Includes items identified by stock number and item name, but not examined for condition. Stocks in this Condition Code (CC) will be inspected and properly classified as to condition in accordance with appropriate regulations. When more time is required, an extension may be granted by the applicable supply distribution activity.
ACC L	SUSPENDED (LITIGATION)	E-14. Materiel held pending litigation or negotiation with contractors or common carriers.
ACC M	SUSPENDED (IN WORK)	E-15. Materiel identified on inventory control records, but which has been turned over to a maintenance facility or contractor for processing.
ACC N	SUITABLE FOR EMERGENCY COMBAT USE	E-16. Munitions stocks suspended from issue except for emergency combat use.
ACC P	UNSERVICEABLE (RECLAMATION)	E-17. Materiel determined to be unserviceable, uneconomically repairable due to a physical inspection, tear-down, or engineering decision. Items contain serviceable components or assemblies to be reclaimed.

Category Code	Brief Description	Full Description
A	REPLACE UNSERVICEABLE ITEMS	<p>Category (Cat) A - Provides for a requisitioning objective to support immediate replacement of critical items allocated in another Category. Replacement requirements are based on high-use of the item during daily or current operations, shelf or service life expiration, vest and kit requirements, or time-change issues.</p> <p>Cat A shall not be used to construct arbitrary stock levels.</p>
B	GROUND FORCES AND EXPLOSIVE ORDNANCE DISPOSAL (EOD) COMBAT	<p>Category B - Munitions required for all ground forces for use upon arrival at deployed location in preparation for combat and operational missions. EOD Cat B allocations may be used in wartime to support Cat D training to maintain qualification and proficiency while deployed.</p>
C	NON-EXPEND TRAINING AND TES	<p>Category C - Munitions used in weapons loading, or assembly training, including dispensing systems.</p>
D	EXPENDABLE TRAINING	<p>Category D - Operational or Tactical evaluations for Aircrew, Ground, Security Forces, Special Operations Forces, Search and Rescue, Para-Rescue, and EOD personnel.</p> <p>User is expected or required to expend munitions to complete training.</p>

E	TEST AND DEVELOPMENT MUNITIONS	<p>Category E - Allocation provides authorization to use, expend, destroy, permanently modify, change identity of munitions directly associated with or used in Destructive Development Test and Evaluation projects.</p> <p>Items not expected to return to inventory in either serviceable condition or with same NSN.</p>
F	WARTIME FLY-AWAY MUNITIONS	<p>Category F - Allocations specifically equip bomber, fighter, airlift and Special Operations Forces (SOF) aircraft (if SOF activities are included in Cat G) with munitions that would reduce aircraft regeneration or aircrew preparation time upon arrival at the deployed location.</p>
G	NON-NUCLEAR CONSUMABLES ANNUAL ANALYSIS (NCAA) DERIVED WAR-RESERVE MATERIEL (WRM)	<p>Category G - Combat munitions requirements derived from the NCAA process, which outlines near-year and out-year requirements for each theater.</p>
M	PREPOSITIONED SHIPS	<p>Category M - Designates the portion of the munitions stockpile to be located on board Afloat Preposition ships (PREPO).</p>
N	FOREIGN MILITARY (MIL) TRAINING AND OPERATION	<p>Category N - Allocations set aside for Foreign Military Sales (FMS) or USAF owned munitions to support training, tests and other operations documented in letters and memorandums of agreement (LOAs/MOAs) between foreign countries and the United States Government.</p>

P	POSITIONING OBJECTIVE	<p>Category P - After stockpile allocations and global asset positioning plans for the upcoming fiscal year have been determined, Major Commands (MAJCOMs) may receive Category P allocations of the remaining inventory to support out-year requirement.</p> <p>The Ogden Air Logistics Center (OO-ALC) Stockpile Management Office assigns Cat P allocations in collaboration with applicable MAJCOMs.</p>
S	SUPPLEMENTAL ALLOCATION	Category S - Munitions and related items not addressed in the NCAA or Stockpile Allocations process. Serves to authorize loading levels in Combat Ammunition System (CAS) and maintaining on hand stock balances.
T	CURRENT OPERATIONS	Category T - Provides munitions for real-world operational situations and daily operations, including munitions for Ground Support daily chores.
U	UNSERVICEABLE TRANSFERS	Category U - Used to transfer or create shipments of unserviceable munitions to Defense Reutilization and Marketing Office (DRMO).
X	FORWARD PRESENCE	Category X - Provides combat support of in-place forces for a specified period.
Y	EOD DISPOSAL	Category Y - Used to identify and process items disposed of by EOD activities.

Z	STANDARD AIR MUNITIONS PACKAGE(STAMP)	Category Z - Used to designate assets that will be pre-positioned at STAMP locations for rapid deployment.
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End of OT-2022-30064.

DATA ITEM DESCRIPTION

Title: MUNITIONS QUARTERLY INVENTORY (MQI)

Number: OT-2022-30065

Approval Date: 20221121

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Munitions Quarterly Inventory (MQI) is used to document the quarterly munitions inventory the contractor performs on the munitions custody account. Please refer to Department of the Air Force Manual (DAFMAN) 21-201, *Munitions Management*, Chapter 7 and Attachment 3. (A copy of the DAFMAN can be found online at: <https://www.e-publishing.af.mil/>.)

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The MQI shall be formatted in accordance with the Combat Ammunition System (CAS) Special Inventory Count Listing. (The CAS Special Inventory Count Listing are available by sending a document request by email to AEDC/804 TSS at: aedc.tss.workflow@us.af.mil.)
3. **Content.** The MQI shall include the following:
 - a. Inventory Serial Number (S/N)
 - b. Structure Number
 - c. Type:
 - (1) Type A = Stock
 - (2) Type O = Custody
 - (3) Type C = Complete Round
 - (4) Type D = Outbound
 - (5) Type N = Non-accountable
 - d. Structure (i.e., building)
 - e. Location (e.g., section, zone, aisle, level, row, position, etc.)

- f. National Stock Number (NSN)
- g. Lot Number
- h. Document Number
- i. Condition Code (see Table 1 below)
- j. Quantity (i.e., unit of issue)
- k. Remarks (if applicable)
- l. Custodian Signature and Date
- m. Certification Statement Signature and Date
- n. Distribution Statement, as appropriate, in accordance with Department of Defense Instruction (DoDI) 5230.24, *Distribution Statements on Technical Documents*. (A copy of the DoDI is available online at: <https://www.esd.whs.mil/>.)
- o. Classification markings, as necessary, in accordance with DoD Manual (DoDM) 5200.01, Volume 2, *DoD Information Security Program: Marking of Information*. (A copy of the DoDM is available online at: <https://www.esd.whs.mil/>.)

Table 1. Condition Codes.

Condition Code	Brief Description	Description
ACC A	SERVICEABLE (ISSUABLE WITHOUT QUALIFICATION)	<p>E-1. New, used, repaired, or reconditioned materiel that is serviceable and issuable to all units without limitations or restrictions. This includes materiel with more than six months shelf life remaining.</p> <p>E-2. Normal incidental requirements for additional packaging, packing, marking, and so forth that can be accomplished at the time of issue (without requiring added resources, manpower, or delays) do not constitute a restriction.</p>
ACC B	SERVICEABLE (ISSUABLE WITH QUALIFICATION)	<p>E-3. New, used, repaired, or reconditioned materiel that is serviceable and issuable for its intended purpose; however, it is restricted from issue to specific units, activities, or geographical areas by reasons of its limited usefulness or short-service life expectancy. This includes materiel with three through six months shelf life remaining.</p> <p>E-4. Normal incidental requirements for additional packaging, packing, or marking, and so forth that can be accomplished at the time of issue (without requiring any added resources, manpower, or delays) do not constitute a restriction. This includes items restricted to, or from, a specific mission.</p>
ACC C	SERVICEABLE (PRIORITY OF ISSUE)	<p>E-5. Items that are serviceable and issuable to selected customers, but that must be issued before conditions A and B materiel to avoid loss as usable assets. Includes materiel with less than three months shelf life remaining.</p>

ACC D	SERVICEABLE (TEST OR MODIFICATION)	E-6. Serviceable materiel requiring test, alteration, modification, conversion, or disassembly. This does not include items that must be inspected or tested immediately before issue.
ACC E	UNSERVICEABLE (LIMITED RESTORATION)	E-7. Materiel that involves only limited expense or effort to restore to serviceable condition and is accomplished in the Munitions Storage Area (MSA) where the stock is located. Minor maintenance is exterior to the round or munitions. Includes all repair of external surfaces and repair or replacement of packaging, packing, palletizing, and marking.
ACC F	UNSERVICEABLE (REPARABLE)	E-8. Economically reparable materiel that requires repair, overhaul, or reconditioning. Includes reparable items that are radioactively contaminated. Major maintenance usually requires replacement of end item components or modification.
ACC G	UNSERVICEABLE (INCOMPLETE)	E-9. Materiel requiring additional parts or components to complete the end item prior to issue.
ACC H	UNSERVICEABLE (CONDEMNED)	E-10. Materiel that has been determined to be unserviceable and does not meet repair criteria (includes condemned items that are radioactively contaminated). This includes materiel determined to be uneconomically reparable.
ACC J	SUSPENDED (IN STOCK)	E-11. Materiel in stock that has been suspended from issue and use pending condition classification or analysis, where the true condition is not known. E-12. Includes temporarily suspended materiel pending serviceability determination. Includes United States Air Force (USAF) materiel identified and held for future test or surveillance requirements, either destructive or nondestructive in nature. May contain formerly serviceable assets that became unserviceable by reason of being reserved for test or that the shelf or service life has expired. Army ammunition that has missed two scheduled periodic inspections is included.

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

ACC K	SUSPENDED (RETURNS)	E-13. Materiel returned from users and awaiting condition classification. Includes items identified by stock number and item name, but not examined for condition. Stocks in this Condition Code (CC) will be inspected and properly classified as to condition in accordance with appropriate regulations. When more time is required, an extension may be granted by the applicable supply distribution activity.
ACC L	SUSPENDED (LITIGATION)	E-14. Materiel held pending litigation or negotiation with contractors or common carriers.
ACC M	SUSPENDED (IN WORK)	E-15. Materiel identified on inventory control records, but which has been turned over to a maintenance facility or contractor for processing.
ACC N	SUITABLE FOR EMERGENCY COMBAT USE	E-16. Munitions stocks suspended from issue except for emergency combat use.
ACC P	UNSERVICEABLE (RECLAMATION)	E-17. Materiel determined to be unserviceable, uneconomically repairable due to a physical inspection, tear-down, or engineering decision. Items contain serviceable components or assemblies to be reclaimed.

End of OT-2022-30065.

DATA ITEM DESCRIPTION

Title: MUNITIONS REQUIREMENTS FORECAST (MRF)

Number: OT-2022-30066

Approval Date: 20221122

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Munitions Requirements Forecast (MRF) is used to document munitions requirements forecasts for all munitions assets on the custody account that is established to receive, manage, and expend munitions.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The MRF shall be in the contractor's electronic format accessible to all AEDC personnel from Non-classified Internet Protocol (IP) Router Network (NIPRNet)-connected workstations.
3. **Content.** The MRF shall include the following
 - a. National Stock Number (NSN)
 - b. Lot Number
 - c. Part Number
 - d. Quantity
 - e. Intended Use and Requirement (Requirement describes the justification for the munition)
 - f. Length of time munitions asset is required
 - g. Distribution statement, as appropriate, in accordance with DoD Instruction (DoDI) 5230.24, *Distribution Statement on Technical Documents*. (A copy of the DoDI is available online at <https://www.esd.whs.mil/>.)
 - h. Classification markings, as necessary, in accordance with DoD Manual (DoDM) 5200.01, Volume 2, *DoD Information Security Program: Marketing of Information*. (A copy of the DoDM is available online at <https://www.esd.whs.mil/>.)

End of OT-2022-30066.

DATA ITEM DESCRIPTION

Title: MUNITIONS TECHNICAL DATA PACKAGE (TDP)

Number: OT-2022-30067

Approval Date: 20221122

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Munitions Technical Data Package (TDP) is used to document the technical data for munitions assets.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The Munitions TDP shall be in the contractor's electronic format accessible by the Government from Non-classified Internet Protocol (IP) Router Network (NIPRNet)-connected workstations.
3. **Content.** The Munitions TDP shall contain the following:
 - a. Item Description
 - (1) General Description (including product shipping name, structural description, and chemical composition)
 - (2) Special Safety Equipment
 - (3) Operational Description (i.e., describe how the munition will be used)
 - (4) Department of Transportation (DOT) Explosive Hazard Class Division and Compatibility Group (The DOT Explosive Hazard Class Division and Compatibility Group information is available by sending a document request by email to the Munitions Accountable Systems Officer (MASO) at: aedc.se.workflow@us.af.mil.)
 - (5) Department of Defense (DoD) Explosive Hazard Classification (DoD Explosive Hazard Classification information is available by sending a document request by email to the MASO at: aedc.se.workflow@us.af.mil.)
 - (6) Transportation Identification Code (Transportation Identification Code information can be obtained from the manufacturer or vendor.)

(7) Joint Hazard Classification System or Interim Hazard Classification (Joint Hazard Classification System or Interim Hazard Classification information is available by sending a document request by email to the MASO at: aedc.se.workflow@us.af.mil.)

(8) Explosive Weight of All Explosive Components (in pounds [lbs.])

(9) Net Explosive Weight per Built Up or End Item

(10) Controlled Item Inventory Code

(11) Specific Safety Features

(12) Drawings and Schematics

(13) Specific Handling Equipment

b. Inspection

(1) Warnings, Cautions, and Notes

(2) Inspection Procedures

(3) List of Defects, Defect Classification(s), and Corrective Action(s)

(4) List of Correctable Defects

(5) Inspection Interval and Sample Size

(6) Stability Testing Interval

c. Packing Criteria

(1) Description of Shipping Container

(2) Shipping Configuration

(3) Quantity per Standard Pack

(4) Container Disposition Instructions

(5) Desiccation Requirements

d. Storage Criteria

(1) Shelf Life

(2) Service Life

(3) Temperature Limits

(4) Humidity Requirements

(5) Stacking Height (palletized)

(6) Storage Requirements

e. Special Handling Criteria

(1) Handling Procedures

- (2) Special Handling Equipment
- (3) Dropped Munitions
- f. Tie-Down Procedures
- g. Emergency Procedures
- h. Demilitarization Code in accordance with DoD Manual (DoDM) 4160.28, Volume 2, *Defense Demilitarization: Demilitarization Coding*. (A copy of the DoDM is available online at: <https://www.esd.whs.mil/>.)
- i. Security Classification, as necessary, in accordance with DoDM 5200.01, Volume 2, *DoD Information Security Program: Marketing of Information*. (A copy of the DoDM is available online at: <https://www.esd.whs.mil/>.)
- j. Cost per Unit of Issue
- k. Contact information (e.g., Name, Phone Number, and Email Address) for contractor personnel
- l. Distribution statement, as appropriate, in accordance with DoD Instruction (DoDI) 5230.24, *Distribution Statement on Technical Documents*. (A copy of the DoDI is available online at: <https://www.esd.whs.mil/>.)

End of OT-2022-30067.

DATA ITEM DESCRIPTION

Title: OPERATIONS AND MAINTENANCE WORK INSTRUCTIONS

Number: OT-2022-30068

Approval Date: 20221122

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: Operations and Maintenance Work Instructions provide detailed, step-by-step instructions on the operation and maintenance of Arnold Engineering Development Complex (AEDC) hardware and software, and are typically linked to specific AEDC assets through Oracle Work and Asset Management (OWAM) and / or Enovia / Matrix. Work instructions are used to document the processes the contractor uses to operate and maintain AEDC assets, and to mitigate the risk of personnel injury, equipment damage, equipment downtime, damage to the environment, or test data compromise.

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 contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Operations and Maintenance Work Instructions shall be in electronic format using either Microsoft Word or Adobe Portable Document Format (PDF). Work instructions shall be in play script style (numbered steps with a sign-off at each step) to be followed in the specified order. The document header shall be in the following format (the contractor may add additional information to the document header with approval from the Government):

TOS Work Instruction		Document No: Wxx-xxxx-xxxx	Page: 2 of x	
Title				
Author/Walk Through:	Approval:	Asset ID:	Revision:	Effective Date:

The contractor shall not place the company name or logo on the work instructions (WI).

3. **Content.** The Operations and Maintenance Work Instructions shall contain the following:
 - a. Document number
 - b. Page numbers on each page in the following format: Page X of Y, where X is the current page of the instructions and Y is the last page of the instructions

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

- c. Document title
- d. Name of author / walk through
- e. Approval
- f. Asset identification (ID)
- g. Revision number
- h. Effective date
- i. Purpose of the document
- j. Description of revision
- k. Instruction references
 - (1) Drawings
 - (2) Other Work Instructions / Procedures
 - (3) System Safety Hazard Analysis
- l. Special tools or equipment required
- m. Process flow diagram / interfaces
- n. Date and time work started
- o. Description Steps to accomplish work

NOTES, CAUTIONS, and WARNINGS and icons shall be incorporated into the steps. A NOTE highlights essential information regarding a condition or an action. A CAUTION highlights an essential condition or action that if not strictly observed could result in damage to, or destruction of equipment or loss of mission effectiveness. A WARNING highlights an essential condition of action which if not strictly observed could result in injury to, or death of, personnel or long-term health hazards.

- p. Date and time work completed and work performer signature
- q. Performer notes: Discrepancies / Deficiencies / Errors / Suggestions
- r. Attachments

End of OT-2022-30068.

DATA ITEM DESCRIPTION

Title: PDS DOCUMENTATION

Number: OT-2022-30069

Approval Date: 20221122

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSDI)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Protected Distribution Systems (PDS) Documentation provides the Government with current information related to maintaining compliance with the United States Air Force PDS Communications Security program and requirements within Arnold Engineering Development Complex (AEDC) per Air Force Systems Security Instruction (AFSSI) 7703, *Communications Security: Protected Distribution Systems (PDS)*. (A copy of the AFSSI is available by sending a document request by email to AEDC/TSDI at: aedc.tsd.workflow@us.af.mil.)

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The PDS Documentation shall be in the contractor's electronic format using Microsoft Word.
3. **Content.** The PDS Documentation shall contain the following:
 - a. A detailed list of all changes made to the PDS and corresponding documentation
 - b. A summary of any forecasted changes to security levels or alterations to the PDS installation or documentation
 - c. A list of all PDS on which visual inspections were conducted and documented
 - d. Information requested by Government PDS representative or Contracting Officer's Representative (COR) in support of PDS maintenance, inspection, or certification requirements
 - e. A list of deficiencies and a detailed Plan of Action and Milestones (POAM) to correct those deficiencies

End of OT-2022-30069.

DATA ITEM DESCRIPTION

Title: PERSONNEL STRENGTH REPORT

Number: OT-2022-30070

Approval Date: 20221122

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AFTC/PZ)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Personnel Strength Report is used by the Government to track hiring and termination trends, personnel employed by pay category and organization, and payroll additions/deletions.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Personnel Strength Report shall be in the contractor's electronic format.
3. **Content.** The Personnel Strength Report shall contain the following:
 - a. Title
 - b. Contractor or Contract Number
 - c. Signature block and approval
 - d. Personnel Strength
 - e. Recommendations
 - f. Conclusion

End of OT-2022-30070.

DATA ITEM DESCRIPTION

Title: PM PROGRAM CHANGE REQUEST

Number: OT-2022-30071

Approval Date: 20221122

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Preventive Maintenance (PM) Program Change Request will be used to document recommended changes to the Arnold Engineering Development Complex (AEDC) maintenance program and to obtain Government approval on the requested change.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The PM Program Change Request shall be in the contractor's electronic format using Microsoft Excel.
3. **Content.** The PM Program Change Request shall contain the following:
 - a. Date requested
 - b. Change type
 - c. Asset
 - d. PM Master No.
 - e. PM Master Description
 - f. Change Description
 - g. System Engineer
 - h. Reliability Engineer
 - i. Government Asset Manager Concur/Non-Concur
 - j. Comments

End of OT-2022-30071.

DATA ITEM DESCRIPTION

Title: PM WAIVER AND DEFERRAL REQUEST

Number: OT-2022-30072

Approval Date: 20221122

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Preventive Maintenance (PM) Waiver and Deferral Request is used to request Government approval to defer or waive a scheduled proactive (preventive or predictive) maintenance activity. Deferring a maintenance activity means that the activity will be performed at a later date than originally scheduled. Waiving a maintenance activity means that the activity will not be accomplished until the next scheduled cycle.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The PM Waiver and Deferral Request shall be in the contractor's electronic format.
3. **Content.** The PM Waiver and Deferral Request shall contain the information below for each of the following areas as a minimum: Engine Test Facilities (ETF) A/B Plant, ETF C Plant, Aeropropulsion Test Cells, Von Karman Facilities (VKF) Plant, Propulsion Wind Tunnels (PWT) Plant, Flight Systems Test Cells, Space & Missiles, Instrumentation, Data, and Controls (ID&C), Model Shop, Utilities, and Base Support Assets.
 - a. Type of Request (Waiver or Deferral)
 - b. Asset ID
 - c. Work Order Number
 - d. PM Master Number
 - e. Activity Description
 - f. Reason for Waiver or Deferral
 - g. Defer to Date (Deferral only)
 - h. Contractor risk assessment of deferring or waiving (low, medium, high)
 - i. Government Asset Manager Concur or Non-Concur (Government field)

OT-2022-30072

- j. Government Chief or Technical Advisor Concur or Non-Concur (Government field)
- k. CMMS Updated Date

End of OT-2022-30072.

DATA ITEM DESCRIPTION

Title: PROCEDURES

Number: OT-2022-30073

Approval Date: 20221122

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: Procedures are used to document the processes the contractor follows in the performance of work at Arnold Engineering Development Complex (AEDC). This data item does not apply to property procedures managed in accordance with Federal Acquisition Regulation (FAR) Clause 52.245-1. Procedures contain a specified way for accomplishing the subject work. Unlike work instructions, procedures do not require personnel to use and document the use of the procedure every time the work is performed, but failure to follow the steps or follow the steps in the specified sequence may result in delays or errors in accomplishing the task. Failure to follow procedural steps or failure to follow them correctly should not result in personnel injury, equipment damage, equipment downtime, damage to the environment, or test data compromise.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** Procedures shall be in the contractor's electronic format using either Microsoft Word or Adobe Portable Document Format (PDF). Procedures shall be in play script style (numbered steps that should be followed in a specific order). Individual sign-off of steps is not required and responsibility for the action is normally specified. The document header shall be in the following format (the contractor may add additional information to the document header with approval from the Government):

TOS Procedure			Document No: Pxx- xxxx-xxxx	Page: 1 of x
Title				
Author:	Approval:	Asset ID:	Revision:	Effective Date:

The contractor shall not place the company name or logo on the Procedure.

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

3. **Content.** Procedures shall contain the following (the contractor may add content as necessary to comply with their own policies for document release, control, etc. with approval by the Government):
 - a. Document Number
 - b. Page numbers on each page in the following format: Page X of Y, where X is the current page of the instructions and Y is the last page of the instructions
 - c. Document title
 - d. Author
 - e. Approval
 - f. Asset identification (ID) (if applicable)
 - g. Revision
 - h. Effective date
 - i. Purpose
 - j. Scope of Application
 - k. References
 - l. Definitions
 - m. Process Flow Diagram / Interfaces
 - n. Process (Steps to perform work)
 - o. Record Retention
 - p. Description of Revision
 - q. Attachments

End of OT-2022-30073.

DATA ITEM DESCRIPTION

Title: PROJECT CHANGE AGREEMENT

Number: OT-2022-30074

Approval Date: 20221122

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Project Change Agreement is used to provide the Government with information about a proposed deviation to project cost, schedule, or performance.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Project Change Agreement shall be in the contractor's electronic format.
3. **Content.** The Project Change Agreement shall contain the following:
 - a. Project Number
 - b. Project Title
 - c. Project Manager
 - d. Change Description including reason or change with justification/impacts
 - e. Cost estimate for change (Labor by skill, materials, services, consumables)
 - f. Basis of Estimate
 - g. Project schedule revisions including updates to critical path
 - h. Change Amount on Total Project Funds
 - i. Change Amount on Fiscal Year (FY) Project Funds
 - j. FY
 - k. Contractor Submitter Signature
 - l. Government Project Manager Approval

End of OT-2022-30074.

DATA ITEM DESCRIPTION

Title: MUNITIONS OPERATIONS EXPENDITURES REQUEST (MOER)

Number: OT-2022-30075

Approval Date: 20221129

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Munitions Operations Expenditures Request (MOER) is used to document munitions operations expenditures.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The MOER shall be in the contractor's electronic format accessible by the Government from Non-classified Internet Protocol (IP) Router Network (NIPRNet) - connected workstations.
3. **Content.** The MOER shall contain the following:
 - a. Custodian Name
 - b. Custodian Phone Number
 - c. Munitions Account Number
 - d. Custodian Email Address
 - e. Data Expenditure Request Submitted
 - f. National Stock Number (NSN)
 - g. Lot Number
 - h. Serial Number (S/N)
 - i. Document Number
 - j. Nomenclature
 - k. Quantity (i.e., unit of issue)
 - l. Category Code (if applicable) (See Table 1 below)
 - m. Condition Code (if known) (See Table 1 below)

- n. Structure (i.e., building)
- o. Location (e.g., section, zone, aisle, level, row, position, etc.)
- p. Custodian Signature
- q. Distribution Statement, as appropriate, in accordance with Department of Defense Instruction (DoDI) 5230.24, *Distribution Statements on Technical Documents*. (A copy of the DoDI is available online at: <https://www.esd.whs.mil/>.)
- r. Classification markings, as necessary, in accordance with DoD Manual (DoDM) 5200.01, Volume 2, *DoD Information Security Program: Marking of Information*. (A copy of the DoDM is available online at: <https://www.esd.whs.mil/>.)

Table 1. Category and Condition Codes.

Condition Code	Brief Description	Description
ACC A	SERVICEABLE (ISSUABLE WITHOUT QUALIFICATION)	<p>E-1. New, used, repaired, or reconditioned materiel that is serviceable and issuable to all units without limitations or restrictions. This includes materiel with more than six months shelf life remaining.</p> <p>E-2. Normal incidental requirements for additional packaging, packing, marking, and so forth that can be accomplished at the time of issue (without requiring added resources, manpower, or delays) do not constitute a restriction.</p>
ACC B	SERVICEABLE (ISSUABLE WITH QUALIFICATION)	<p>E-3. New, used, repaired, or reconditioned materiel that is serviceable and issuable for its intended purpose; however, it is restricted from issue to specific units, activities, or geographical areas by reasons of its limited usefulness or short-service life expectancy. This includes materiel with three through six months shelf life remaining.</p> <p>E-4. Normal incidental requirements for additional packaging, packing, or marking, and so forth that can be accomplished at the time of issue (without requiring any added resources, manpower, or delays) do not constitute a restriction. This includes items restricted to, or from, a specific mission.</p>
ACC C	SERVICEABLE (PRIORITY OF ISSUE)	<p>E-5. Items that are serviceable and issuable to selected customers, but that must be issued before conditions A and B materiel to avoid loss as usable assets. Includes materiel with less than three months shelf life remaining.</p>

ACC D	SERVICEABLE (TEST OR MODIFICATION)	E-6. Serviceable materiel requiring test, alteration, modification, conversion, or disassembly. This does not include items that must be inspected or tested immediately before issue.
ACC E	UNSERVICEABLE (LIMITED RESTORATION)	E-7. Materiel that involves only limited expense or effort to restore to serviceable condition and is accomplished in the Munitions Storage Area (MSA) where the stock is located. Minor maintenance is exterior to the round or munitions. Includes all repair of external surfaces and repair or replacement of packaging, packing, palletizing, and marking.
ACC F	UNSERVICEABLE (REPARABLE)	E-8. Economically reparable materiel that requires repair, overhaul, or reconditioning. Includes reparable items that are radioactively contaminated. Major maintenance usually requires replacement of end item components or modification.
ACC G	UNSERVICEABLE (INCOMPLETE)	E-9. Materiel requiring additional parts or components to complete the end item prior to issue.
ACC H	UNSERVICEABLE (CONDEMNED)	E-10. Materiel that has been determined to be unserviceable and does not meet repair criteria (includes condemned items that are radioactively contaminated). This includes materiel determined to be uneconomically repairable.
ACC J	SUSPENDED (IN STOCK)	E-11. Materiel in stock that has been suspended from issue and use pending condition classification or analysis, where the true condition is not known. E-12. Includes temporarily suspended materiel pending serviceability determination. Includes United States Air Force (USAF) materiel identified and held for future test or surveillance requirements, either destructive or nondestructive in nature. May contain formerly serviceable assets that became unserviceable by reason of being reserved for test or that the shelf or service life has expired. Army ammunition that has missed two scheduled periodic inspections is included.

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

ACC K	SUSPENDED (RETURNS)	E-13. Materiel returned from users and awaiting condition classification. Includes items identified by stock number and item name, but not examined for condition. Stocks in this Condition Code (CC) will be inspected and properly classified as to condition in accordance with appropriate regulations. When more time is required, an extension may be granted by the applicable supply distribution activity.
ACC L	SUSPENDED (LITIGATION)	E-14. Materiel held pending litigation or negotiation with contractors or common carriers.
ACC M	SUSPENDED (IN WORK)	E-15. Materiel identified on inventory control records, but which has been turned over to a maintenance facility or contractor for processing.
ACC N	SUITABLE FOR EMERGENCY COMBAT USE	E-16. Munitions stocks suspended from issue except for emergency combat use.
ACC P	UNSERVICEABLE (RECLAMATION)	E-17. Materiel determined to be unserviceable, uneconomically repairable due to a physical inspection, tear-down, or engineering decision. Items contain serviceable components or assemblies to be reclaimed.

Category Code	Brief Description	Full Description
A	REPLACE UNSERVICEABLE ITEMS	<p>Category (Cat) A - Provides for a requisitioning objective to support immediate replacement of critical items allocated in another Category. Replacement requirements are based on high-use of the item during daily or current operations, shelf or service life expiration, vest and kit requirements, or time-change issues.</p> <p>Cat A shall not be used to construct arbitrary stock levels.</p>
B	GROUND FORCES AND EXPLOSIVE ORDNANCE DISPOSAL (EOD) COMBAT	<p>Category B - Munitions required for all ground forces for use upon arrival at deployed location in preparation for combat and operational missions. EOD Cat B allocations may be used in wartime to support Cat D training to maintain qualification and proficiency while deployed.</p>
C	NON-EXPEND TRAINING AND TES	<p>Category C - Munitions used in weapons loading, or assembly training, including dispensing systems.</p>
D	EXPENDABLE TRAINING	<p>Category D - Operational or Tactical evaluations for Aircrew, Ground, Security Forces, Special Operations Forces, Search and Rescue, Para-Rescue, and EOD personnel.</p> <p>User is expected or required to expend munitions to complete training.</p>

E	TEST AND DEVELOPMENT MUNITIONS	<p>Category E - Allocation provides authorization to use, expend, destroy, permanently modify, change identity of munitions directly associated with or used in Destructive Development Test and Evaluation projects.</p> <p>Items not expected to return to inventory in either serviceable condition or with same NSN.</p>
F	WARTIME FLY-AWAY MUNITIONS	<p>Category F - Allocations specifically equip bomber, fighter, airlift and Special Operations Forces (SOF) aircraft (if SOF activities are included in Cat G) with munitions that would reduce aircraft regeneration or aircrew preparation time upon arrival at the deployed location.</p>
G	NON-NUCLEAR CONSUMABLES ANNUAL ANALYSIS (NCAA) DERIVED WAR-RESERVE MATERIEL (WRM)	<p>Category G - Combat munitions requirements derived from the NCAA process, which outlines near-year and out-year requirements for each theater.</p>
M	PREPOSITIONED SHIPS	<p>Category M - Designates the portion of the munitions stockpile to be located on board Afloat Preposition ships (PREPO).</p>
N	FOREIGN MILITARY (MIL) TRAINING AND OPERATION	<p>Category N - Allocations set aside for Foreign Military Sales (FMS) or USAF owned munitions to support training, tests and other operations documented in letters and memorandums of agreement (LOAs/MOAs) between foreign countries and the United States Government.</p>

P	POSITIONING OBJECTIVE	<p>Category P - After stockpile allocations and global asset positioning plans for the upcoming fiscal year have been determined, Major Commands (MAJCOMs) may receive Category P allocations of the remaining inventory to support out-year requirement.</p> <p>The Ogden Air Logistics Center (OO-ALC) Stockpile Management Office assigns Cat P allocations in collaboration with applicable MAJCOMs.</p>
S	SUPPLEMENTAL ALLOCATION	Category S - Munitions and related items not addressed in the NCAA or Stockpile Allocations process. Serves to authorize loading levels in Combat Ammunition System (CAS) and maintaining on hand stock balances.
T	CURRENT OPERATIONS	Category T - Provides munitions for real-world operational situations and daily operations, including munitions for Ground Support daily chores.
U	UNSERVICEABLE TRANSFERS	Category U - Used to transfer or create shipments of unserviceable munitions to Defense Reutilization and Marketing Office (DRMO).
X	FORWARD PRESENCE	Category X - Provides combat support of in-place forces for a specified period.
Y	EOD DISPOSAL	Category Y - Used to identify and process items disposed of by EOD activities.

Z	STANDARD AIR MUNITIONS PACKAGE(STAMP)	Category Z - Used to designate assets that will be pre-positioned at STAMP locations for rapid deployment.
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End of OT-2022-30075.

DATA ITEM DESCRIPTION

Title: ROUGH ORDER OF MAGNITUDE (ROM) ESTIMATE

Number: OT-2022-30076

Approval Date: 20221202

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Rough Order of Magnitude (ROM) Estimate is used to communicate an approximate cost estimate for a project, work task, or other effort.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The ROM Estimate shall be in the contractor's electronic format.
3. **Content.** The ROM Estimate shall assess the level of detail provided by the customer and provide a percentage range for each phase based on the assumptions indicating the fidelity of the estimate. The test and analysis project phases are defined as:

Test Project Phases:

1. Project management and planning
2. Design
 - A. Test installation requirements
 - B. Design of test
3. Fabrication
4. Installation
5. Test operations
6. Removal of test article and restoration of test unit to baseline configuration
7. Test data analysis
8. Technical reporting

The content and level of detail can vary depending on the response time available, the amount of detail provided by the customer, and the specific work requested. The ROM estimate shall include the following:

- a. Date of estimate

- b. Description of customer test requirements
- c. Assumptions used to formulate estimate
- d. Cost by project phase and category (labor/materials/utilities/consumables)
- e. Accuracy of estimate (%) by project phase
- f. Estimate for project duration by phase and workday
- g. Expiration date for estimate

End of OT-2022-30076.

DATA ITEM DESCRIPTION

Title: PROJECT REVIEW COMMENTS

Number: OT-2022-30077

Approval Date: 20221202

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: Project Review Comments are used by the Government to obtain information for review, evaluation, and management of individual projects and programs. Project Review Comments provide information that can be used to track and provide status of issues and their resolution throughout phases of the development life cycle. Examples of documentation to be evaluated include, but are not limited to, system requirements document, technical data packages, specifications, product submittals, etc.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** Project Review Comments shall be in the contractor's electronic format.
3. **Content.** Project Review Comments shall contain the following:
 - a. Project number
 - b. Project title
 - c. Reviewer's name and organization
 - d. Document description
 - e. Drawing number, specification, or document page / section
 - f. Comment (Assessment, issue, risk, etc.)
 - g. Comment Resolution / Disposition

End of OT-2022-30077.

DATA ITEM DESCRIPTION

Title: QUALIFICATION / CERTIFICATION REPORT

Number: OT-2022-30078

Approval Date: 20221202

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Qualification / Certification Report tracks critical operator and maintenance qualifications and certifications.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Qualification / Certification Report shall be in the contractor's electronic format and available on the AEDC Intranet.
3. **Content.** The Qualification / Certification Report shall contain the following:
 - a. All Government-approved critical operator / maintainer positions
 - b. Current qualified operators / maintainers, by name, date qualified, and position
 - c. Any waived personnel, date waiver begins, date waiver expires, name of the contractor and Government approver

End of OT-2022-30078.

DATA ITEM DESCRIPTION

Title: QUALITY PROGRAM PLAN

Number: OT-2022-30079

Approval Date: 20221202

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/IG)

Project Number: N/A

Applicable Forms: None

Use/Relationship: The Quality Program Plan is used by the contractor to provide a methodology to prevent delivery of defective products or services and to track performance of the contractor's tasks, processes, and outputs to drive and measure continuous improvement.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Quality Program Plan shall be in the contractor's electronic format and available to users on the AEDC intranet.
3. **Content.** The Quality Program Plan shall include the following:
 - a. Traceability to the PWS
 - b. A surveillance strategy
 - c. An approach to ensure appropriate action is taken when negative trends are identified.

End of OT-2022-30079.

DATA ITEM DESCRIPTION

Title: RAM REPORT

Number: OT-2022-30080

Approval Date: 20221202

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD-SF)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Random Antiterrorism Measure (RAM) Report is used to validate completion of required facility checks.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The RAM Report shall be in the contractor's electronic format using Microsoft Excel.
3. **Content.** The RAM Report shall include the following:
 - a. Building number and Building group number
 - b. Number of RAMs required per the Arnold Air Force Base (AAFB) Antiterrorism Plan 10-245 (A copy of the AAFB AT Plan 10-245 is available by sending a document request by email to AEDC/TSD-SF at: aedc.tsd-sf.workflow@us.af.mil.)
 - c. Scheduled date for each RAM to be accomplished
 - d. Actual data each RAM was completed

End of OT-2022-30080.

DATA ITEM DESCRIPTION

Title: RDT&E ASSET SUSTAINMENT STATUS REPORT

Number: OT-2022-30081

Approval Date: 20221202

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Research, Development, Test, and Evaluation (RDT&E) Asset Sustainment Status Report provides the Government with data on the performance and progress of the Sustainment program.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The RDT&E Asset Sustainment Status Report shall be in the contractor's electronic format.
3. **Content.** The RDT&E Asset Sustainment Status Report shall include the following content with contract period to date and fiscal year to date information:
 - a. Operating Environment
 - b. Proactive Maintenance Actions
 - c. Proactive Maintenance Tasks Waived and Deferred
 - d. Proactive Maintenance Backlog
 - e. Reactive Maintenance Actions
 - f. Reactive Maintenance Backlog
 - g. Sustainment Projects Status
 - h. Sustainment Program Performance and Process Metrics
 - i. Sustainment Workload Forecast

End of OT-2022-30081.

DATA ITEM DESCRIPTION

Title: RDT&E FACILITY INVESTMENT PLAN DATA

Number: OT-2022-30082

Approval Date: 20221202

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Research, Development, Test, and Evaluation (RDT&E) Facility Investment Plan Data are used by the Government to develop a six-year projection of work requirements so that appropriate planning and programming can be performed to quantify future funding and manpower requirements for RDT&E assets. The data cover the six-year period of the Future Year Defense Plan (FYDP) as well as the two years leading up to the FYDP.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The RDT&E Facility Investment Plan Data shall be in the contractor's electronic format using Microsoft Excel and in hard copy with identifying cover (title, date, inclusive range years of plan, and signature approval line for appropriate Government representative).
3. **Content.** The RDT&E Facility Investment Plan Data shall contain the following:
 - 3.1 Section I. Management. This section shall address the management and integration of the work with clear identification of the expected RDT&E asset's enhanced capability showing organization, technical, cost and schedule data to include the following elements.
 - a. Table of Contents
 - b. Project Data. Charts, spreadsheets, or tables identifying current year projects under execution to relate workload, funding, costs, gaps, and earned value management data to individual projects (cost, performance, schedule), and overall assessments of work breakdown structures based on each fund type (such as Improvement & Modernization, Restoration & Modernization, Military Construction [MILCON], Sustainment). On multi-year projects, major required outages (access to plant facilities, utilities, and test assets), skill set requirements, and risk assessment shall be provided.
 - c. Past Project Performance Accomplishment with Earned Value Management data explanation.
 - d. Technical and Business Recommendations to the Government on potential risk mitigation in all aspects of technical and programmatic risks.

3.2 Section II. On-going Execution Project Listing

a. Briefly describe the accomplishments of the current year of RDT&E asset project execution with particular attention to the deliverables (planned accomplishments) that were not accomplished and the rationale for not completing them.

b. Define the specific deliverables for the upcoming year with particular attention to changes being proposed to accommodate continuation of prior year work that was not completed as planned. Also, identify the risk of accomplishing the planned projects and options being addressed to mitigate that risk. For the area of cost, identify areas where each project can be reduced in scope for the upcoming year to fit into budget constraints and address how this revised execution plan will be accommodated in the future.

3.3 Section III. Second Year Project Listing. Provide the same information as in 3.2 Section II with particular attention given to projects that will be initiated in the second year of the plan.

3.4 Section IV. FYDP Program. This section will list all RDT&E asset projects to be executed in the six out-years listed and grouped by funds code in the same format as listed in 3.2 Section IIb. Particular attention shall be given to supporting documentation that justifies the expected capability and the rationale for the planned schedule. Each project description should address the assumptions made in developing the plan as well as the risks that must be mitigated to deliver the end state.

3.5 Section V. Unfunded Requirements List. This section will be constantly updated and provide a list of deliverables that are ready for execution should additional funding become available. For each item on the list, the current status of the deliverable's impact on the overarching project's goals should be defined. Also, provide a brief description of the work that will need to be accomplished to obligate the funds.

End of OT-2022-30082.

DATA ITEM DESCRIPTION

Title: RDT&E PROGRAM AND PROJECT MANAGEMENT PLAN DATA

Number: OT-2022-30083

Approval Date: 20221202

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Research, Development, Test, and Evaluation (RDT&E) Program and Project Management Plan Data describes the cost, schedule, and technical performance requirements for successful project completion. The content can also include terms and conditions, like termination agreements and expectations from the involved parties.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The RDT&E Program and Project Management Plan Data shall be in the contractor's electronic format.
3. **Content.** The RDT&E Program and Project Management Plan Data shall contain the following:
 - a. Project Number
 - b. Project Title
 - c. Project Manager
 - d. Scope including project goals
 - e. Project Work Breakdown Structure with work package and activity definitions
 - f. Project Network diagram identifying work package and activity dependencies
 - g. Schedule including the critical path
 - h. Cost Estimate – Work package labor by skill code/specialty, materials, services, and consumables, product deliverables
 - i. Technical Information supporting project goals (reference materials, trade studies, analysis of alternatives, etc.)
 - j. Risk management plan including risk identification, assessment, tracking, and risk mitigation process

- k. Environmental compliance actions
- l. Project deliverables in accordance with the project's Technical Data Package
- m. Interfaces including interface control plan

End of OT-2022-30083.

DATA ITEM DESCRIPTION

Title: REAL PROPERTY INVENTORY

Number: OT-2022-30084

Approval Date: 20221202

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Real Property Inventory is used to establish a record and validate the use of all Real Property and Real Property Installed Equipment (RPIE).

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Real Property Inventory shall be in the contractor's electronic format using Microsoft Excel.
3. **Content.** The Real Property Inventory shall contain the following:
 - a. Cover sheet with title, date, base identification (ID), and other depiction as necessary
 - b. List of all real property and RPIE with the following information for each item:
 - (1) Location by building number
 - (2) Date of last validation
 - (3) Use of the facility
 - (4) Validity of the facility's current use
 - (5) Notes or other information as appropriate
 - c. Conclusion / summary of findings for the current validation effort

End of OT-2022-30084.

DATA ITEM DESCRIPTION

Title: REQUIREMENTS AND ANALYSIS MANAGEMENT PLAN (RAMP)

Number: OT-2022-30085

Approval Date: 20221202

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: DD Form 1391/1391C

Use/Relationship: The Requirements and Analysis Management Plan (RAMP) provides the project construction plan for Military Construction (MILCON) projects. For MILCON projects, follow Air Force Instruction (AFI) 32-1023, *Designing and Constructing Military Construction Projects*; and AFI 32-1020, *Planning and Programming Built Infrastructure Projects*. (Copies of the AFIs are available online at: <http://www.e-publishing.af.mil/>.)

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The RAMP shall be in the contractor's electronic format using Microsoft Word, with the DD Form 1391/1391C attached.
3. **Content.** The RAMP shall contain the following:
 - 3.1 Requirement Documents (RD). The RD shall be an integrated document showing technical, cost and schedule data to a common base, the contract work breakdown structure (CWBS) or its planning equivalent. The RD shall also provide information on the contractor's organization and practices and techniques to be used in managing the program, specifically management of subcontracts.
 - a. Introduction. Cover sheet identifying the title of the work, the fiscal year (FY) of execution, the location of the work and the Automated Civil Engineering System (ACES) number. Following pages under this section include the authority, the purpose of the work, and the goals and objectives.
 - b. Project Description. Description of the work involved, including a general identification as well as specific requirements, process description, and special requirements.
 - c. Area Development Plan. Includes project relationship to Base Comprehensive Plan and site development.

- d. Environmental. Defines environmental permits, hazardous substance surveys, abatement, planning, and special compliance items.
- e. Requirements Agreement. Defines understanding on preparation of RAMP document.
- f. Attachments. Must include DD Form 1391/1391C, maps, plans, sketches, photos, and definitive drawings. Also outlines installation design guidelines and standards.

3.2 Project Management Plan (PMP)

- a. Introduction. Provides the purpose, responsibilities and authorities, and identifies the requirement for a joint Air Force and United States (U.S.) Army Corps of Engineers (USACE) project management plan.
- b. Acquisition Strategy. Addresses and identifies the plan of acquisition for the design, procurement, and construction phases of work.
- c. Project Schedule. Defines the milestones and goals for the project at base, major command (MAJCOM), and team levels.
- d. Appendices. Information is coordinated between AEDC and USACE. Includes, but is not limited to, resource plan, configuration change management plan, work breakdown structure, key interface points, quality management/control plan, safety and health plan, real estate planning report, organizational breakdown structure, and responsibility assignment matrix.

3.3 Project Management Plan Agreement. Document outlines agreement in principle and includes an Agreement and Signature Sheet that lists the key individual signatures required.

3.4 Summary.

End of OT-2022-30085.

DATA ITEM DESCRIPTION

Title: REQUIREMENTS DOCUMENT (RD)

Number: OT-2022-30086

Approval Date: 20221202

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: None

Use/Relationship: The Requirements Document (RD) provides technical, management, schedule, and cost data for the construction requirements for Military Construction (MILCON) projects. It also provides current information used to describe the approach, resources, and requirements to perform the effort. For MILCON projects, follow Air Force Instruction (AFI) 32-1023, *Designing and Constructing Military Construction Projects*; and AFI 32-1020, *Planning and Programming Built Infrastructure Projects*. (Copies of the AFIs are available online at: <http://www.e-publishing.af.mil/>.)

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
 2. **Format.** The RD shall be in the contractor's electronic format using Microsoft Word.
 3. **Content.** The RD shall be in an integrated document showing technical, cost, and schedule data to a common base, the contract work breakdown structure (CWBS) or its planning equivalent. The RD shall also provide information on the contractor's organization and practices and techniques to be used in managing the program, specifically management of subcontracts.
- 3.1 The RD shall contain the following:
- a. Introduction to the plan
 - b. Indication of the relationship of the plan to the CWBS. This shall include a description and the associated cost of each element.
 - c. Milestone chart. A detailed program milestone chart covering the major activities of the program (system deliveries, tests, etc.) by CWBS, if applicable, and in linear time phasing.
 - d. Equipment / facilities chart. A chart depicting major government furnished equipment (GFE) and facilities required, and the date and duration that such GFE or facilities are required.

- e. Purchase chart. A chart depicting major subcontracts and equipment or material purchases with their dates and approximate costs.
 - f. Labor loading chart. A chart depicting estimated labor hours for each major task.
 - g. Cost chart. A cost chart depicting by month the estimated cost, including subcontractor cost, for each major task.
 - h. Technical performance in terms of specific technical parameters used for measuring technical progress, if appropriate. Each parameter shall be identified, related to a specific paragraph in the governing item specification (if available), and provided a base value and any limits.
 - i. Organization data including:
 - (1) Program organization chart. A chart showing the structure of the program organization by title and name. Identify the program office, support contractors, and major subcontractors.
 - (2) Program / functional organization relationship chart. A chart showing the relationship of the program functions to the functional organizations indicating lines of authority and communications.
- 3.2 When the CWBS is a requirement, show program responsibilities vs. WBS element one level below the WBS. The matrix shall depict the organizations responsible for performance, review, and approval of each summary WBS. A description of authority and responsibilities of key program and functional individuals shall be identified on the charts.

End of OT-2022-30086.

DATA ITEM DESCRIPTION

Title: TECHNICAL MANUALS

Number: OT-2022-30088

Approval Date: 20221214

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: Technical Manuals consist of the information created or obtained during a capital improvement or maintenance project that is required for maintenance, repair, operation or use of the facility or equipment. Information obtained is expected to consist of factory operation and maintenance instructions.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** Technical Manuals shall be in the contractor's electronic format.
3. **Content.** Technical Manuals shall contain the following:
 - a. Operating information: Recommended service conditions, design life of the asset, and operating training requirements
 - b. Maintenance information: Recommended preventive maintenance and maintenance schedule, special tools, or inspection equipment, alternate sources of supply, and proprietary data (if any)
 - c. Spare or repair parts list(s) to include sources of supply, cost of item, and procurement lead time
 - d. Schematics or assembly views
 - e. Environmental and safety information
 - f. Cautions, hazards, and risks

End of OT-2022-30088.

DATA ITEM DESCRIPTION

Title: SAFETY PROGRAM MANAGEMENT PLAN

Number: OT-2022-30089

Approval Date: 20221214

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/SE)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Safety Program Management Plan is used by the Government to establish a baseline of expectations for work and contractor performance for the reporting period. The plan should include the contractor's methodology for accomplishing work, the organization, the projects and their summary schedule. The plan should correlate with the Government approved annual workload. The plan should provide the Government manager with both tactical planning as well as documenting the performance objectives, measures, breakpoints for key performance indicators that will be agreed to and used by the contractor and Government to assess the safety program.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Safety Program Management Plan shall be in the contractor's electronic format.
3. **Content.** The Safety Program Management Plan shall contain the following:
 - a. Program Number
 - b. Program Title
 - c. Contractor
 - d. Organization
 - e. Program Level Information
 - (1) Program Overview
 - (2) Program objectives, measures, key performance indicators
 - (3) Program initiatives
 - f. List of projects
 - (1) Title
 - (2) Number

OT-2022-30089

- (3) Cost
- (4) Schedule
- (5) Performance objectives
- (6) Contractor point of contact or project manager

End of OT-2022-30089.

DATA ITEM DESCRIPTION

Title: SBIR TOPIC CANDIDATE LIST

Number: OT-2022-30090

Approval Date: 20221214

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: Small Business Innovative Research (SBIR) Topic Candidate List provides the Government with candidate topics from Arnold Engineering Development Complex (AEDC). SBIR topics are expected for technology developments in the areas of facility capability, software, instrumentation, and test and evaluation methodology.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The SBIR Topic Candidate List shall be in the contractor's electronic format.
3. **Content.** The SBIR Topic Candidate List shall include the following:
 - a. Title
 - b. Submitted by
 - c. Technology need addressed
 - d. Objective
 - e. Description
 - f. References

End of OT-2022-30090.

DATA ITEM DESCRIPTION

Title: SCHEDULE DEVIATION REPORT

Number: OT-2022-30091

Approval Date: 20221214

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Schedule Deviation Report is used to compare actual work accomplished against the work scheduled to measure effectiveness of the scheduling activity.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Schedule Deviation Report shall be in the contractor's electronic format.
3. **Content.** The Schedule Deviation Report shall contain the following:
 - a. Test unit
 - b. Project number
 - c. Project name / Title
 - d. Actual test / outage event start time
 - e. Test / Outage events added after schedule approval
 - f. Test / Outage events cancelled after schedule approval
 - g. Reason for deviations
 - h. Impact of schedule deviation

End of OT-2022-30091.

DATA ITEM DESCRIPTION

Title: SHOP AND LABORATORY MANAGEMENT PLAN

Number: OT-2022-30092

Approval Date: 20221214

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Shop and Laboratory Management Plan provides the information necessary to plan and execute machine / fabrication and laboratory lifecycle sustainment. The plan covers the current fiscal year and serves as the planning and requirements document to establish a six-year projection of performance and process improvements that support Future Year Defense Plan (FYDP) planning and the programming process at Arnold Engineering Development Complex (AEDC).

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Shop and Laboratory Management Plan shall be in the contractor's electronic format.
3. **Content.** The Shop and Laboratory Management Plan shall contain the following:
 - a. Purpose
 - b. Scope
 - c. Strategic Direction
 - d. Financial Overview
 - e. Current Environment
 - f. Assumption and Risks
 - g. Investment Planning
 - h. Performance Challenges
 - i. Responsibilities and Interfaces
 - j. Skills Retention and Training
 - k. Machine / Equipment Preventive Maintenance Approach
 - l. Machine / Equipment Reliability Data

m. Operational Improvements

End of OT-2022-30092.

DATA ITEM DESCRIPTION

Title: SOC REPORT

Number: OT-2022-30093

Approval Date: 20221214

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Statement of Capability (SOC) Report describes the cost, schedule, and technical performance requirements necessary to complete a test project at the project phase level. The SOC report is used to document the scope of work to be accomplished as defined in the contract Performance Statement of Work (PWS) for test projects. The SOC report provides the requirements, cost, and scheduled events necessary to prepare a project plan. This report is also used by the Government to prepare the SOC for review and approval by all signing parties.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract PWS. This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The SOC Report shall be in the contractor's electronic format.
3. **Content.** The SOC information shall be provided by test project phase as defined below:

Test Project Phases:

1. Project management and planning
2. Design
 - A. Test installation
 - B. Design of test
3. Fabrication
4. Installation
5. Test operations
6. Removal of test article and restoration of test unit to baseline configuration
7. Test data analysis
8. Technical Reporting

The SOC report shall contain the following:

- a. Title page with approval block for customer, AEDC TOS II contractor approve, AEDC project manager, and the Government approval authority.
- b. Executive overview
- c. References
- d. Administrative information
 - (1) TOS II Contractor Project Contacts
 - (2) Security Requirements
- e. Test unit
- f. Description of project execution by project phases
- g. Test program matrix summary with test unit operands and test article operands (if different from test unit operands)
- h. Responsibilities
- i. Constrains and assumptions for project requirements and estimates
- j. Schedule with list of deliverable and project milestones in workdays
- k. Cost and resources requirements by project phase and category (labor, materials, items, and consumables)
- l. Risk assessment for cost, schedule, performance, and safety

End of OT-2022-30093.

DATA ITEM DESCRIPTION

Title: SOFTWARE LICENSE MANAGEMENT ANNUAL INVENTORY

Number: OT-2022-30094

Approval Date: 20221214

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSDI)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Software License Management Annual Inventory provides the Government with the status of software license management within Arnold Engineering Development Complex (AEDC) in order to show compliance with the Department of the Air Force Manual (DAFMAN) 17-1203, *Information Technology (IT) Asset Management (ITAM)*; Air Force Instruction (AFI) 17-101, *Risk Management Framework (RMF) for Air Force Information Technology (IT)*; and current Department of Defense (DoD) Financial Improvement and Audit Readiness (FIAR) requirements. (Copies of the DAFMAN and AFI are available online at: <http://www.e-publishing.af.mil/>. A copy of the DoD FIAR requirements is available online at: https://comptroller.defense.gov/Portals/45/documents/fiar/FIAR_Guidance.pdf.)

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The Software License Management Annual Inventory shall be in the contractor's electronic format.
3. **Content.** The Software License Management Annual Inventory shall contain the following:
 - a. Identification of each asset on which software is installed and all software that is installed on each of those assets, including but not limited to: workstation, servers, routers, switches, test and calibration equipment, other network devices, video and multimedia systems, industrial control systems, supervisory control and data acquisition system, civil engineering systems, and calibration and test equipment.
 - b. Identification of license (e.g., enterprise, single use, freeware, etc.)
 - c. Cost of software and maintenance fees
 - d. Identification of software license status in one of the following categories:
 - (1) Purchased
 - (2) In use

- (3) Allocated
 - (4) Dormant or expired
 - (5) Excessed
 - (6) Disposed of
 - (7) Reallocated/transferred
 - (8) Available
- e. Proof of software license purchase and ownership in accordance with DAFMAN 17-1203, chapter 3.2
 - f. Summary of software maintenance contracts and agreements
 - g. List of Commercial off the Shelf (COTS) or Government off the Shelf (GOTS) software packages utilized for tool or application development
 - h. Description of locally developed software, and evidence that the approved version of each piece of locally developed software is on every asset on which the software is installed
 - i. Identification of modified software installations (past quarter)
 - j. List of software pending certification in accordance with AFI 17-101, paragraph 5.1.6
 - k. Total cost of ownership for all software licenses
 - l. Other data items that the contractor deems applicable to software management
 - m. A statement verifying that due diligence has been exercised on the supportability, operability, compatibility, and security of IT product software and applications on the AEDC enclave
 - n. Detailed Plan of Action and Milestones (POAM) to resolve discrepancies, inconsistencies, or unknown information

End of OT-2022-30094.

DATA ITEM DESCRIPTION

Title: SOFTWARE LICENSE MANAGEMENT QUARTERLY REPORT

Number: OT-2022-30095

Approval Date: 20221214

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSDI)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Software License Management Quarterly Report provides the Government with the status of software license management within Arnold Engineering Development Complex (AEDC) in order to show compliance with the Department of the Air Force Manual (DAFMAN) 17-1203, *Information Technology (IT) Asset Management (ITAM)*; Air Force Instruction (AFI) 17-101, *Risk Management Framework (RMF) for Air Force Information Technology (IT)*; and current Department of Defense (DoD) Financial Improvement and Audit Readiness (FIAR) requirements. (Copies of the DAFMAN and AFI are available online at: <http://www.e-publishing.af.mil/>. A copy of the DoD FIAR requirements is available online at: https://comptroller.defense.gov/Portals/45/documents/fiar/FIAR_Guidance.pdf.)

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The Software License Management Quarterly Report shall be in the contractor's electronic format using Microsoft PowerPoint.
3. **Content.** The Software License Management Quarterly Report shall contain the following:
 - a. Active list of Unit Software License Managers
 - b. Active list of personnel with privileges to install software
 - c. List of currently installed software associated with asset on which installed
 - d. Number and types of software installations or modifications completed during the previous quarter, including:
 - (1) Software removed
 - (2) Software installations
 - (3) Software repurposed or excessed

- e. Upcoming software license or maintenance agreement expirations that are expected to occur during the next two quarters
- f. List of expired software licenses or maintenance agreements
- g. List of renewed software licenses
- h. List of excessed software
- i. Software self-audit results (in accordance with DAFMAN 17-1203, Chapter 3), including any identified unauthorized software or software not previously discovered during inventories
- j. Software self-audit inventory results, including:
 - (1) Self-spot check results, which shall include two results per quarter per system
 - (2) Software purchasing and licensing documentation
- k. List of software pending certification in accordance with AFI 17-101, paragraph 5.1.6
- l. Total cost of ownership for each software license
- m. Total cost of ownership for all software licenses
- n. Other data items that the contractor deems applicable to software license management

End of OT-2022-30095.

DATA ITEM DESCRIPTION

Title: SUSTAINMENT STATUS TRANSITION PLAN

Number: OT-2022-30096

Approval Date: 20221214

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Sustainment Status Transition Plan is used to provide plans that document options for actions, costs, and risks for changing the Sustainment Status of test and test support assets. A Sustainment Status Transition Plan is comprised of three elements: putting the asset into a status, maintaining the status, and taking out of the status. A risk assessment will accompany each scenario and each change. Please refer to AEDC-STD-CM-1, *Configuration Management*. (A copy of AEDC-STD-CM-1 is available by sending a document request by email to AEDC/804 TSS at: aedc.tss.workflow@us.af.mil.)

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The Sustainment Status Transition Plan shall be in the contractor's electronic format.
3. **Content.** The Sustainment Status Transition Plan shall contain the following:
 - a. Summary of Transition Request
 - b. Requirements and Assumptions
 - c. Assets Affected by Transition
 - d. Transition Plan(s) (tasks / schedule / risks with Options as applicable)
 - e. Detailed Cost Breakout for Transition Plan(s)
 - f. Sustainment Plan(s) (tasks / risk with Options as applicable)
 - g. Detailed Cost Breakout for Sustainment Plan(s)

End of OT-2022-30096.

DATA ITEM DESCRIPTION

Title: TECHNICAL DATA PACKAGE (TDP)

Number: OT-2022-30097

Approval Date: 20221214

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Technical Data Package (TDP) defines a complete plan of work to be accomplished in performance of an authorized project or program. It provides the documentation necessary to support planning, programming, funding, and execution.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The TDP shall be in the contractor's electronic format.
3. **Content.** The TDP shall contain the following:
 - a. General: Describe approach to accomplishing the work, using guidance given in the PWS, as scoped in its approved work request or investment need. Provide all necessary information to support accomplishment of the project, including site plans, drawings, design analysis, trade studies, specifications, work requests, cost estimates, work breakdown structure (WBS), schedules, and backup data.
 - b. Documentation: TDPs will be reviewed at appropriate phases of acquisition planning and execution such as:
 - (1) Capability development document (CDD) shall contain the stakeholders' capability objectives, operational scenarios, potential constraints, and need date. It shall be prepared as the result of the capability development process.
 - (2) System requirement document (SRD) shall contain performance requirements, operational scenarios, and a verification / validation / acceptance (VV&A) plan.
 - (3) Preliminary design TDP (or 60% design review) shall contain detailed drawings, specifications, cost estimate, schedule, and backup data such as trade studies.
 - (4) Critical design TDP (or 90% design review) shall contain final drawings, specifications, cost estimate, schedule, and backup data. Approval of the installed or modified system. It shall be conducted prior to final checkout to demonstrate that risk mitigations are in place.

- (5) Verification Readiness Review (VRR) data package shall contain documentation of the installed or modified system. It shall be conducted prior to final checkout to demonstrate that risk mitigations are in place.
- (6) Functional Configuration Audit (FCA) / Operation Readiness Review (ORR) shall contain the documentation of a complete end-to-end checkout of the system and report of any findings or deficiencies.
- (7) Physical Configuration Audit (PCA) shall contain the complete package of total acquisition activities to include final configuration documentation.

End of OT-2022-30097.

DATA ITEM DESCRIPTION

Title: TECHNICAL REPORTS

Number: OT-2022-30098

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Technical Report documents analysis and results, and are completed in accordance with the terms established in the project Statement of Capability.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The Technical Report shall be in the contractor's electronic format.
3. **Content.** The Technical Report contents shall comply with AEDC Operating Instruction (AEDCOI) 99-10, *Technical Reporting*. (A copy of the AEDCOI is available by sending a document request by email to AEDC/804 TG at: aedc.td.workflow@us.af.mil.)

End of OT-2022-30098.

DATA ITEM DESCRIPTION

Title: TECHNOLOGY PROGRESS REPORT

Number: OT-2022-30099

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Technology Progress Report will be used to inform Arnold Engineering Development Complex (AEDC) management of the technology developments and accomplishments of the previous period.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Technology Progress Report shall be in the contractor's electronic format.
3. **Content.** The Technology Progress Report shall include the following:
 - a. Cover page
 - b. Outline
 - c. Background
 - d. Program funding, schedule and performance objectives
 - e. Program accomplishments and performance in meeting objectives
 - f. Innovations, cost savings or avoidances, or other beneficial aspects of the program
 - g. Alternatives if decisions are required in terms of cost, schedule and performance risk
 - h. Recommendations
 - i. Summary

End of OT-2022-30099.

DATA ITEM DESCRIPTION

Title: TEST AND ANALYSIS PROJECT PLAN

Number: OT-2022-30100

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Test and Analysis Project Plan provides the Government with detailed information on all the resource requirements necessary to accomplish a test project. For projects conducted only at the Arnold Air Force Base (AFB) location, the information provided in this data item description will be used by the Government to prepare the project plan. For all Arnold Engineering Development Complex (AEDC) locations, the Government will use the project plan to ensure the fulfillment of the requirements identified in the signed Statement of Capability.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Test and Analysis Project Plan shall be in the contractor's electronic format.
3. **Content.** The Test and Analysis Project Plan shall include a work breakdown structure suitable for accomplishing earned value management. The content shall be provided by test project phase as defined below:

Test Project Phases:

1. Project management and planning
2. Design
 - A. Test installation
 - B. Design of test and test period run plans
3. Fabrication
4. Installation
5. Test operations
6. Test data analysis
7. Removal of test article and restoration of test unit to baseline configuration
8. Technical reporting

The Test and Analysis Project Plan shall contain the following:

- a. Executive summary
- b. List of reference documents
- c. Associate contractor agreements
- d. SOC Objectives and project deliverables
- e. Project work breakdown structure with work package and activity definitions by project phase
- f. Project network diagram identifying work package and activity dependencies
- g. Work package
 - (1) Labor by skill code / specialty
 - (2) Materials, services, and consumables
- h. Schedule with critical path
- i. Time phased project cost
- j. Risk management plan including risk identification, assessment, tracking and risk mitigation process

End of OT-2022-30100.

DATA ITEM DESCRIPTION

Title: TEST ARTICLE ACTIVITY LOG

Number: OT-2022-30101

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The purpose of the Test Article Activity Log (TAAL) is to provide a real-time status and history of work activities that affect the readiness of test articles and test article support system interfaces. A TAAL shall be maintained for each test article. The TAAL shall be used as a continuously running event log. The TAAL and Test Unit Status Log (TUSL) may be maintained as one database; however, individual TAAL and TUSL work items must be discernable.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The TAAL shall be in the contractor's electronic format and accessible to all AEDC personnel from Non-secure Internet Protocol Router Network (NIPRNet)-connected workstations. The Computerized Maintenance Management System (CMMS) may be used for applicable required data.
3. **Content.** The TAAL shall contain the following:
 - 3.1 Work items:
 - a. Buildup and removal work to support tests
 - b. Maintenance
 - c. Other work that affects the operational capability or readiness
 - 3.2 For each item of work to be performed:
 - a. Work unit assigned to the task
 - b. Project number
 - c. Work order number
 - d. Task number
 - e. Title
 - f. Create date

- g. Requestor
- h. Required date
- i. Work start date
- j. Performed date
- k. Accepted date
- l. Test cell
- m. Test number
- n. Work Priority
- o. Description of work to be performed. Description of the work must be sufficient to allow successful completion of the work or reference other documents.
- p. Status (create, active, performed, accepted)
- q. Additional notes including shift carryover

End of OT-2022-30101.

DATA ITEM DESCRIPTION

Title: TEST PERIOD RUN PLAN

Number: OT-2022-30102

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Test Period Run Plan is developed for each test event and details the test requirements for a given test period.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Test Period Run Plan shall be in the contractor's electronic format.
3. **Content.** The Test Period Run Plan shall contain the following:
 - a. Test unit
 - b. Test project number and title
 - c. Test period number
 - d. Scheduled test duration (HR:min format)
 - e. Test sequence information
 - i. Event log information (time, test plan reference for sequence)
 - (1) Test sequence description (including test procedures, test cell entry for sampling, inspections, and configuration changes)
 - (2) Test environment requirements (e.g., test unit set points, ramps for set points, software configurable setting)
 - (3) Test article requirement (e.g., software configuration setting, aircraft data simulation, configuration, set point and ramp rate for set points for throttle or model positioning)
 - (4) Data point requirements (steady state, transient)
 - (5) Comments

End of OT-2022-30102.

DATA ITEM DESCRIPTION

Title: TEST UNIT STATUS LOG

Number: OT-2022-30103

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Test Unit Status Log (TUSL) provides a real-time status of work activities that affect the operational capability and readiness of a test unit. A TUSL is maintained for each test unit conducting test preparation, operations, removal, modification, and sustainment, and is used as a continuously running event log. The TUSL and Test Article Activity Log (TAAL) may be maintained as one database; however, individual TUSL and TAAL work items must be discernable.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The TUSL shall be in the contractor's electronic format and accessible to all AEDC personnel from Non-secure Internet Protocol Router Network (NIPRNet)-connected workstations. The Computerized Maintenance Management System (CMMS) may be used for applicable required data.
3. **Content.** The TUSL shall contain the following:
 - 3.1 Work items:
 - a. Buildup and removal work to support tests
 - b. Maintenance
 - c. Other work that affects the operational capability or readiness
 - 3.2 For each item of work to be performed:
 - a. Work unit assigned to the task
 - b. Project number
 - c. Work order number
 - d. Task number
 - e. Title

- f. Create date
- g. Requestor
- h. Required date
- i. Work start date
- j. Performed date
- k. Accepted date
- l. Test cell
- m. Test number
- n. Work priority
- o. Description of work to be performed. Description of the work must be sufficient to allow successful completion of the work or reference other documents.
- p. Status (create, active, performed, accepted)
- q. Additional notes including shift carryover communication

End of OT-2022-30103.

DATA ITEM DESCRIPTION

Title: TITLE V MAJOR SOURCE OPERATIONS LOG

Number: OT-2022-30104

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Title V Major Source Operations Log is used to maintain the current Arnold Engineering Development Complex (AEDC) Air Program data in the Air Program Information System (APIMS), as prescribed by the Tennessee Air Pollution Control Board Operating Permit (Title V), Permit #560453. (A copy of the Title V Permit #560453 is available by sending a document request by email at: aedc.tsdc.workflow@us.af.mil.)

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The Title V Major Source Operations Log shall be in the contractor's electronic format.
3. **Content.** The Title V Major Source Operations Log shall include the content as prescribed by the Title V Permit #560453.

End of OT-2022-30104.

DATA ITEM DESCRIPTION

Title: TMDE REPORT

Number: OT-2022-30105

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Test Measurement and Diagnostic Equipment (TMDE) Report provides the Government with data on the performance and progress of the work performed in the management of TMDE.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The TMDE Report shall be in the contractor's electronic format.
3. **Content.** The TMDE Report shall include the following:
 - a. Calibration Measurement Summary (CMS)
 - (1) Changes
 - (2) Submittals
 - b. Total Work Performed
 - (1) User calibrations
 - (2) TMDE overdue for calibration
 - (3) TMDE input to the Precision Measurement Equipment Laboratory (PMEL)
 - (4) TMDE output from PMEL
 - (5) TMDE deferred for maintenance
 - (6) Calibration extensions
 - (7) Necessary recall actions
 - c. TMDE calibration forecast (User and PMEL)

End of OT-2022-30105.

DATA ITEM DESCRIPTION

Title: TRANSFER AND ACCEPTANCE OF MILITARY REAL PROPERTY

Number: OT-2022-30106

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: DD Form 1354

Use/Relationship: The Transfer and Acceptance of Military Real Property provides formal notification to the Government that a specific project is complete, and that Military Real Property is ready to transfer to Government records. It initiates the capitalization process to update Arnold Engineering Development Complex (AEDC) records to account for the additional value added to the AEDC Plant Replacement Value by the particular project.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Transfer and Acceptance of Military Real Property report shall be in electronic format using the DD Form 1354 (Copies of this form are available at: <https://www.esd.whs.mil/directives/forms/>).
3. **Content.** The Transfer and Acceptance of Military Real Property report shall include a fully completed DD Form 1354.

End of OT-2022-30106.

DATA ITEM DESCRIPTION

Title: IPM PLAN

Number: OT-2022-30107

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Integrated Pest Management (IPM) Plan provides the Government with a five-year pest management plan for Arnold Engineering Development Complex (AEDC) facilities, as prescribed by Department of Defense Instruction (DoDI) 4150.07, *DoD Pest Management Program*, and Air Force Manual (AFMAN) 32-1053, *Integrated Pest Management*. (A copy of the DoDI is available online at: <https://www.esd.whs.mil/Directives/issuances/dodi/>. A copy of the AFMAN is available online at: <http://www.e-publishing.af.mil/>.)

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The IPM Plan shall be in the contractor's electronic format.
3. **Content.** The IPM Plan content shall comply with the requirements defined in DoDI 4150.07 and AFMAN 32-1053.

End of OT-2022-30107.

DATA ITEM DESCRIPTION

Title: UTILITY FORECAST

Number: OT-2022-30108

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: Utility Forecast reports are used to notify local companies of the utility requirements needed to support Test and Base operations.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Utility Forecast report shall be in the contractor's electronic format.
3. **Content.** The Utility Forecast report shall contain the following:
 - a. Daily electrical forecasts shall include:
 - (1) Report Title, "AEDC Daily Electrical Forecast"
 - (2) Requirements by the hour for a rolling 48-hour period
 - b. Weekly electrical forecasts shall include:
 - (1) Report Title, "AEDC Weekly Electrical Forecast"
 - (2) Requirements for a rolling five-week period beginning on the following Monday broken out by each day's hourly forecast
 - c. The daily natural gas forecast shall include:
 - (1) Report Title, "AEDC Natural Gas Requirements"
 - (2) Date of report and revision number for document control
 - (3) Demand per point of delivery in 1000ft³ per hour including daily cumulative totals
 - (4) AEDC Operations Center contact information, email, and telephone
 - (5) Elk River Public Utility District contact information, email, and telephone
 - d. The monthly natural gas forecast shall include:
 - (1) Report Title, "AEDC Natural Gas Estimate for (month) (year)"

- (2) Demand per point of delivery in 1,000 ft³ by day of the month, including daily and monthly cumulative totals
- (3) AEDC Operations Center contact information, email, and telephone
- (4) Elk River Public Utility District contact information, email, and telephone
- e. The annual utilities forecast shall include:
 - (1) Report Title, “AEDC Annual Utilities Forecast (year)”
 - (2) Date of report and revision number for document control
 - (3) Total estimated annual utilities requirement

End of OT-2022-30108.

DATA ITEM DESCRIPTION

Title: WAGE AND SALARY MANAGEMENT PLAN

Number: OT-2022-30109

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AFTC/PZ)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Wage and Salary Management Plan report is used by the Government to ensure the contractor maintains a qualified workforce able to perform the broad spectrum of functions necessary to operate, support, maintain, and improve Arnold Engineering Development Complex (AEDC).

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Wage and Salary Management Plan shall be in the contractor's electronic format.
3. **Content.** The Wage and Salary Management Plan shall contain the following:
 - a. Title
 - b. Contractor and Contractor Number
 - c. Signature block and approval
 - d. Table of Contents
 - e. Executive Summary
 - f. Wage Planning
 - g. Salary Planning
 - h. Conclusion

End of OT-2022-30109.

DATA ITEM DESCRIPTION

Title: WAREHOUSE SCHEMATIC / PLANOGRAM

Number: OT-2022-30110

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD-LG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Warehouse Schematic / Planogram is used to manage Arnold Air Force Base (AFB) warehouse space to ensure space is adequately apportioned for multiple contractors, to prepare for military construction (MILCON) projects, to request Air Force Materiel Command (AFMC)-sponsored teams to perform warehouse renovations, and to assist with fire and other warehouse safety-related requirements.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Warehouse Schematic / Planogram shall be in the contractor's electronic format.
3. **Content.** The Warehouse Schematic / Planogram shall depict the manner in which the gross storage space within the Arnold AFB warehouse complex is used, and show division of space into storage, receiving, shipping areas, main and cross aisles, fire aisles, and offices. Each section or subdivision will show the square footage of gross space, the non-storage space, and the net space available for storage.

End of OT-2022-30110.

DATA ITEM DESCRIPTION

Title: WORKLOAD REVISION FILES REPORT

Number: OT-2022-30111

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/FMA)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Workload Revision Files Report is used to validate, coordinate, and receive approval for workload revisions prior to posting in the Government-provided Management Information System.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Workload Revision Files Report shall be in the contractor's electronic spreadsheet using Microsoft Excel.
3. **Content.** The Workload Revision Files Report shall contain the following:
 - a. TOS Level Summary for Funding Direct Budget Authority (DBA) and Reimbursable Budget Authority (RBA), First Level Work Breakdown Structure (WBS), and Fund Code Group
 - (1) Labor Hours
 - (2) Labor Dollars
 - (3) Material Dollars
 - (4) Total Dollars
 - (5) Previous Revision Total Dollars
 - (6) New Revision Total Dollars
 - (7) Percent Change between Revisions
 - b. Fund Code Group, Fund Code, and Project Summary
 - (1) Project Number
 - (2) Project Description
 - (3) TOS Loaded Revision Dollars
 - (4) TOS Draft Revision Dollars

- (5) TOS Delta Dollars
- (6) Government Loaded Revision Dollars
- (7) Government Draft Revision Dollars
- (8) Government Delta Dollars
- (9) Comments
- c. Change File Comparison between Proposed Revision, Draft Revision, and Delta
 - (1) WBS
 - (2) Fund Code
 - (3) Capability
 - (4) Project Number
 - (5) Project Description
 - (6) TOS Labor Hours
 - (7) TOS Labor Dollars
 - (8) TOS Material Dollars
 - (9) Government Labor Hours
 - (10) Government Labor Dollars
 - (11) Government Material Dollars
 - (12) TOS Pools (Labor / Non-Labor)
 - (13) Government Pools (Labor / Non-Labor)
 - (14) Total Dollars
 - (15) Explanation of Delta
- d. First Level WBS and Fund Code Summary
 - (1) TOS Labor Hours
 - (2) TOS Labor Dollars
 - (3) TOS Material Dollars
 - (4) Government Labor Hours
 - (5) Government Labor Dollars
 - (6) Government Material Dollars
 - (7) TOS Pools
 - (8) Government Pools

- (9) Invalids (Identified coding errors requiring additional research)
- (10) Total Dollars

e. Draft Workload

- (1) WBS
- (2) Project Number
- (3) Project Description
- (4) TOS Labor Hours
- (5) TOS Labor Dollars
- (6) TOS Material Dollars
- (7) Government Labor Hours
- (8) Government Labor Dollars
- (9) Government Material Dollars
- (10) TOS Pools (Labor / Non-Labor)
- (11) Government Pools (Labor / Non-Labor)
- (12) Invalids (Identified coding errors requiring additional research)
- (13) Total Dollars
- (14) Fund Code

f. Prioritized List of Unfunded Requirements and Disconnects

- (1) Fund Code
- (2) Prioritization Order
- (3) WBS
- (4) Project Number
- (5) Project Description
- (6) TOS Labor Hours
- (7) TOS Labor Dollars
- (8) TOS Material Dollars
- (9) Government Labor Hours
- (10) Government Labor Dollars
- (11) Government Material Dollars
- (12) TOS Pools (Labor / Non-Labor)

- (13) Government Pools (Labor / Non-Labor)
- (14) Total Dollars
- (15) Ability to Fund Incrementally
- (16) Justification or Rationale for Funding
- g. List of Carryover Projects Loaded or Not Loaded (as applicable)
 - (1) Fund Code
 - (2) WBS
 - (3) Project Number
 - (4) Project Description
 - (5) TOS Labor Hours
 - (6) TOS Labor Dollars
 - (7) TOS Material Dollars
 - (8) Government Labor Hours
 - (9) Government Labor Dollars
 - (10) Government Material Dollars
 - (11) TOS Pools (Labor / Non-Labor)
 - (12) Government Pools (Labor / Non-Labor)
 - (13) Total Dollars
 - (14) Comments
- h. Utility Rate Sheet (upon changes)

End of OT-2022-30111.

DATA ITEM DESCRIPTION

Title: WAREHOUSE SURVEILLANCE REPORT

Number: OT-2022-30112

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD-LG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Warehouse Surveillance Report is used to monitor and assess the contractor's management of warehouse space at Arnold Air Force Base (AFB).

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Warehouse Surveillance Report shall be in the contractor's electronic format.
3. **Content.** The Warehouse Surveillance Report shall include the following:
 - a. Safety Assessment
 - b. Security Assessment
 - c. Housekeeping Assessment
 - d. Condition of Supplies in Storage:
 - e. Operational Status of Material Handling Equipment (MHE) and Mechanized MHE:
 - (1) Mission capable
 - (2) Non-mission capable
 - i. Requires replacement
 - ii. Requires repair

End of OT-2022-30112.

DATA ITEM DESCRIPTION

Title: CHEMISTRY LABORATORY REPORT

Number: OT-2022-30113

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Chemistry Laboratory Report provides the Government with data on the performance and progress of the work performed in the Chemistry Laboratory.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Chemistry Laboratory Report shall be in the contractor's electronic format.
3. **Content.** The Chemistry Laboratory Report shall describe events from first day through the last day of the month and shall include contract period to date and fiscal year (FY) to date information, and shall include the following:
 - a. Summary of sample types analyzed
 - b. Volume of each sample analyzed
 - c. Methods used
 - d. Required completion dates vs. actual completion dates
 - e. Proficiency/Accreditation evaluation results and status changes

End of OT-2022-30113.

DATA ITEM DESCRIPTION

Title: CONSTRUCTION INSPECTION RECORD

Number: OT-2022-30114

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: AF Form 1477

Use/Relationship: The Construction Inspection Record documents the results of construction project inspections performed on site during a project's execution phase.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Construction Inspection Record shall be in electronic format using the AF Form 1477. (Copies of this form are available at: <https://www.e-publishing.af.mil/>)
3. **Content.** The Construction Inspection Record shall include a fully completed AF Form 1477.

End of OT-2022-30114.

DATA ITEM DESCRIPTION

Title: CONTRACTOR ACQUIRED PROPERTY LIST

Number: OT-2022-30115

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Contractor Acquired Property List provides the Air Force with a list of all equipment/property purchased by the contractor.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Contractor Acquired Property List shall be in the contractor's electronic format using Microsoft Excel.
3. **Content.** The Contractor Acquired Property List shall include the following information provided in columns A through M:
 - a. AEDC Contract Number
 - b. Commercial and Government Entity (CAGE) code
 - c. Item Description
 - d. Nomenclature
 - e. National Stock Number (NSN) (if known)
 - f. Part Number
 - g. Quantity
 - h. Unit of Measure
 - i. Serial Number
 - j. Unit Acquisition Costs
 - k. Date of Purchase
 - l. Purchase Order Number
 - m. End User Information (Organization)

End of OT-2022-30115.

DATA ITEM DESCRIPTION

Title: COURTESY STORAGE REPORT

Number: OT-2022-30116

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD-LG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Courtesy Storage Report is used to document and track all items courtesy stored in the warehousing system.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Courtesy Storage Report shall be in the contractor's electronic format.
3. **Content.** The Courtesy Storage Report shall contain the following:
 - a. Accountable Contract or Accountable Organization for Asset
 - b. Nomenclature
 - c. Part Number
 - d. Description
 - e. Commercial and Government Entity (CAGE) Code
 - f. NATO Stock Number (NSN) (if required for transaction)
 - g. Quantity (QTY)
 - h. Acquisition Cost
 - i. Unique Identifier (if applicable)
 - j. Unit of Measure
 - k. Location
 - l. Transaction Date (date entered into courtesy storage)

End of OT-2022-30116.

DATA ITEM DESCRIPTION

Title: DAILY OPERATING TIME LOG

Number: OT-2022-30117

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The purpose of the Daily Operating Time Log (OTL) is to document in narrative form the activities that occurred in a scheduled test unit. The Daily OTL will be prepared each day for every test unit performing test buildup and installation, test removal, or test operations and checkouts. The Daily OTL gathers objective data on productivity and quality for the above activities and associated projects. Data from the Daily OTL is logged in a searchable database to provide a means to generate various operational data reports and to provide a historical record of test activities.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Daily OTL shall be in the contractor's electronic format and available to users on the AEDC intranet.
3. **Content.** The Daily OTL shall include the following:
 - a. Date
 - b. Test Unit
 - c. Project Number
 - d. Project Title
 - e. Test Number
 - f. Project Manager/Engineer(s)
 - g. Test Engineer(s)
 - h. Schedule Test Time (From and To in Military Time)
 - i. Record of total time spent and cumulative time for the project in the following activities:
 - (1) Scheduled Time
 - (2) Available Time

- (3) Operating Shift Hours (OSH)
- (4) Scheduled Down Hours (SDH)
- (5) Install or Removal
- (6) Air-On
- (7) Productive Air-On
- (8) Non-Productive Air-On
- (9) Air-Off Time (Turbines Only)
- (10) Productive Air-Off
- (11) Non-Productive Air-Off
- (12) User Occupancy Hours (UOH)
- (13) Test Article Not Ready
- j. Air-On Time (From and To, in Military Time)
- k. Runs (Aeropropulsion Test Unit [APTU], Arcs only) – Today and Cumulative
- l. Shots/Firings (Ranges, Rockets) – Today and Cumulative
- m. Total Data Points – Today and Cumulative
- n. Megawatt Hours Used – Today and Cumulative
- o. Engine/Motor Operation Activities (Aeropropulsion/Rockets) – Today and Cumulative
 - (1) Windmill Time
 - (2) Engine Operation/Burn Time
 - (3) Intermediate Power Time
 - (4) Augmentor Burn Time
 - (5) Maximum Power Time
 - (6) Steady State Points
 - (7) Transient Points
- p. Record of total time spent and cumulative time for the project in the following categories:
 - (1) Total AEDC Lost Test Time (LTT)
 - (2) User LTT
 - (3) Safety Related LTT
 - (4) Maintenance Related LTT
 - (5) Operations LTT
 - (6) Stand-by LTT
 - (7) Lost Activity Time

- q. The day's objectives
- r. Percent of objectives accomplished
- s. Results/Summary Notes/Major Difficulties (Include unusual test article occurrences or findings, reasons why 100 percent of objectives were not accomplished, detailed reasons and explanations of nonproductive time, test conditions compromised, and identification and explanation of Foreign Object (FO) or Foreign Object Damage (FOD) events)
- t. Actions required before next test (User or sponsor directives for test article or test program changes; and inspections, maintenance and/or repairs)
- u. Plans for next 24-hour period
- v. Specific Event Entries
 - (1) Start Time
 - (2) End Time
 - (3) Type Test
 - (4) Hours
 - (5) Actions
 - (6) Air Time
 - (7) LTT Code
 - (8) Responsible Contractor Organization for correction of LTT issue
 - (9) Work Request Number for LTT
 - (10) Additional Remarks

End of OT-2022-30117.

DATA ITEM DESCRIPTION

Title: DPAS TO OWAM MATCH REPORT

Number: OT-2022-30118

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSD-LG)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: A Defense Priorities and Allocations System (DPAS) to Oracle Work Asset Management (OWAM) Match Report includes all items stored in the DPAS warehousing system. This report is required to ensure material acquisition, movement (in/out and within stock), and inventory (gains/loss) transactions in DPAS (Government's Accountable Property System of Record [APSR]) are captured to support financial statement audits performed by independent auditors and to support/sustain Financial Improvement and Audit Readiness (FIAR) Compliance. The transactions captured in DPAS due to material management activities shall match equivalent transactions in OWAM. The contractor will be responsible for creating reports from both DPAS and OWAM that enable an efficient means to contrast the data elements described below.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None
2. **Format.** The DPAS to OWAM Match Report shall be in the contractor's electronic format.
3. **Content.** The DPAS to OWAM Match Report shall include the following:
 - a. Accountable Contract or Accountable Organization for Asset (OWAM)
 - b. Nomenclature (OWAM and DPAS)
 - c. Part Number (OWAM and DPAS)
 - d. Description (OWAM and DPAS)
 - e. Commercial and Government Entity (CAGE) Code (OWAM and DPAS)
 - f. National Stock Number (NSN) (OWAM and DPAS)
 - g. Quantity (QTY) (OWAM and DPAS)
 - h. Acquisition Cost (OWAM and DPAS)
 - i. Unique Identifier (if applicable) (OWAM and DPAS)

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- j. Unit of Measure or Unit of Issue (OWAM and DPAS)
- k. Warehouse Location (OWAM and DPAS)
- l. Transaction Date (OWAM and DPAS)
- m. Date Acquired (OWAM and DPAS)
- n. Date Dispositioned (OWAM and DPAS)

End of OT-2022-30118.

DATA ITEM DESCRIPTION

Title: EMSEC DOCUMENTATION AND REPORT

Number: OT-2022-30119

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSDI)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Emission Security (EMSEC) Documentation and Report provides the Government with current information related to maintaining compliance with the United States Air Force EMSEC program and Arnold Engineering Development Complex (AEDC) requirements per Air Force Systems Security Instruction (AFSSI) 7700, *Emission Security*, AFSSI 7702, *Emission Security Countermeasures Reviews*. (Copies of the AFSSIs are available by sending a document request by email to AEDC/TSDI at: aedc.tsd.workflow@us.af.mil.)

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The EMSEC Documentation and Report shall be in the contractor's electronic format.
3. **Content.** The EMSEC Documentation and Report shall contain the following:
 - a. A list of all changes made to Telecommunications Electronics Material Protected from Emanating Spurious Transmissions (TEMPEST) certification documentation
 - b. A summary of all forecasted changes to asset security levels or any movement, addition, or removal of assets in TEMPEST certified areas
 - c. Information requested by Government TEMPEST representative or Contracting Officer's Representative (COR) for clarification of TEMPEST requirements
 - d. A description of all TEMPEST deficiencies and a detailed Plan of Action and Milestones (POAM) to correct those deficiencies

End of OT-2022-30119.

DATA ITEM DESCRIPTION

Title: ENGINE BLADE BLENDING REPORT

Number: OT-2022-30120

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Engine Blade Blending Report is used to document blade repairs made on turbine engines. This report is required to be maintained as permanent engine records.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Engine Blade Blending Report shall be in the contractor's electronic format.
3. **Content.** The Engine Blade Blending Report shall contain the following:
 - a. Engine Serial Number
 - b. Engine Model Number
 - c. Date and time of repair
 - d. Name of individual performing repair
 - e. Blade blending data (location and number of blades repaired)

End of OT-2022-30120.

DATA ITEM DESCRIPTION

Title: ENGINE BORESCOPE INSPECTION REPORT

Number: OT-2022-30121

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Engine Borescope Inspection Report is used to document borescope inspections of turbine engines. This report is required to be maintained as permanent engine records.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Engine Borescope Inspection Report shall be in the contractor's electronic format.
3. **Content.** The Engine Borescope Inspection Report shall contain the following:
 - a. Engine Serial Number
 - b. Engine Model Number
 - c. Date and time of inspection
 - d. Name of individual performing inspection
 - e. Results of borescope inspection

End of OT-2022-30121.

DATA ITEM DESCRIPTION

Title: ENGINE LOG

Number: OT-2022-30122

Approval Date: 20221215

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/804 TSS)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Engine Log documents turbine engine operation and maintenance data that are used as inputs to the Air Force Comprehensive Engine Management System.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Engine Log shall be in the contractor's electronic format using Microsoft Excel.
3. **Content.** The Engine Log shall contain the following:
 - a. Engine Serial Number
 - b. Engine Model Number
 - c. Engine Operating Time
 - (1) Engine Cycles
 - (2) Engine Total Hours
 - d. Component removal and replacement (when performed)
 - (1) Old part number and serial number
 - (2) New part number and serial number

End of OT-2022-30122.

DATA ITEM DESCRIPTION

Title: WEAPONS / EXPLOSIVES WORK INSTRUCTIONS

Number: OT-2022-30123

Approval Date: 20221221

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/SE)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: Weapons / Explosives Work Instructions provide detailed, step-by-step instructions on the operation and maintenance of Arnold Engineering Development Complex (AEDC) involving explosives and related hazards. Weapons / Explosives Work Instructions are used to ensure AEDC weapons / explosives operations are performed in accordance with Defense Explosives Safety Regulation (DESR) 6605.09_Air Force Manual (AFMAN) 91-201, *Explosives Safety Standards*. (A copy of the DESR 6605.09_AFMAN is available online at: <http://www.e-publishing.af.mil/>.) Work instructions are used to document the processes the contractor uses to operate and maintain AEDC assets, and to mitigate the risk of personnel injury, equipment damage, equipment downtime, damage to the environment, or test data compromise.

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 contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The Weapons / Explosives Work Instructions shall be in electronic format using either Microsoft Word or Adobe Portable Document Format (PDF). Work instructions shall be in play script style (numbered steps with a sign-off at each step) to be followed in the specified order. The document header shall be in the following format (the contractor may add additional information to the document header with approval from the Government):

TOS Work Instruction		Document No: WXX-XXXX-XXXX	Page: 1 of x	
Title				
Author/Walk Through:	Approval:	Asset ID:	Revision:	Effective Date:

The contractor shall not place the company name or logo on the work instruction.

3. **Content.** The Weapons / Explosives Work Instructions shall contain the following:
- a. Document number
 - b. Page numbers on each page in the following format: Page X of Y, where X is the current page of the instructions and Y is the last page of the instructions
 - c. Document title
 - d. Name of author / walk through
 - e. Approval
 - f. Asset identification (ID)
 - g. Revision number
 - h. Effective date
 - i. Purpose of the document
 - j. Description of revision
 - k. Instruction references
 - (1) Drawings
 - (2) Other Work Instructions / Procedures
 - (3) System Safety Hazard Analysis
 - l. Special tools or equipment required
 - m. Weapons / explosives characteristics
 - (1) Personnel limits
 - (2) Explosive limits, including hazard division (HD) and compatibility group (CG) of explosives involved
 - (3) Exact locations where operations are performed
 - (4) Safety requirements to include special requirements for personal protective clothing, blast and fragmentation hazards, and equipment
 - (5) Static grounding requirements
 - (6) Emergency procedures
 - n. Process flow diagram / interfaces
 - o. Date and time work started
 - p. Description Steps to accomplish work
- NOTES, CAUTIONS, and WARNINGS and icons shall be incorporated into the steps. A NOTE highlights essential information regarding a condition or an action. A CAUTION highlights an essential condition or action that if not strictly observed could result in damage to, or destruction of equipment or loss of mission effectiveness. A WARNING highlights an essential condition

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of action which if not strictly observed could result in injury to, or death of, personnel or long-term health hazards.

- q. Date and time work completed and work performer signature
- r. Performer notes: Discrepancies / Deficiencies / Errors / Suggestions
- s. Attachments

End of OT-2022-30123.

DATA ITEM DESCRIPTION

Title: CONFINED SPACE SOPs

Number: OT-2022-30124

Approval Date: 20221221

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/SE)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: Confined Space Standard Operating Procedures (SOPs) are used to document the processes the contractor follows in the performance of work involving confined spaces at Arnold Engineering Development Complex (AEDC). Confined Space SOPs are used to protect personnel from the hazards of entry into confined spaces, and to ensure that work is safely performed in compliance with Department of the Air Force Manual (DAFMAN) 91-203, *Air Force Occupational Safety, Fire, and Health Standards*, Chapter 23. (A copy of the DAFMAN is available online at: <http://www.e-publishing.af.mil/>.)

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 contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The Confined Space SOPs shall be in electronic format using either Microsoft Word or Adobe Portable Document Format (PDF). Confined Space SOPs shall be in play script style (numbered steps that should be followed in a specific order). Individual sign-off of steps is not required and responsibility for the action is normally specified. The document header shall be in the following format (the contractor may add additional information to the document header with approval from the Government)::

TOS Confined Space SOP		Document No: WXX-XXXX-XXXX	Page: 1 of x	
Title				
Author:	Approval:	Asset ID:	Revision:	Effective Date:

The contractor shall not place the company name or logo on the SOP.

3. **Content.** The Confined Space SOPs shall contain the following:
 - a. Document number

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

b. Page numbers on each page in the following format: Page X of Y, where X is the current page of the instructions and Y is the last page of the instructions

c. Document title

d. Name of author

e. Approval

f. Asset identification (ID)

g. Revision number

h. Effective date

i. Purpose

j. Scope of Application

k. References

l. Definitions

m. Process Flow Diagram / Interfaces

n. Process (Steps to perform work)

(1) Requirements for shop supervisor to brief entry supervisor(s) on their duties prior to performing the entry

(2) Description of acceptable entry conditions, including atmospheric conditions, under which permits may be issued

(3) Designation of entry supervisors needed

(4) Identify the specific type and location of permit spaces to be entered and specific types of tasks or operations to be performed

(5) Describe the purpose of the entry and list either by reference or direct statement, the procedures to be used for entry (any other work instructions / hazard analysis, etc.)

(6) Account for around-the-clock operations, when appropriate

(7) List personal protective equipment (PPE), atmospheric monitoring and rescue equipment, and conditions under which they shall be used

(8) Identify continuous atmospheric monitoring requirements. When continuous monitoring is not possible, or determined by the Confined Space Program Team (CSPT) to not be necessary, based on test data verifying that acceptable entry conditions are being maintained in accordance with 29 CFR § 1910.146(d)(5)(ii), documentation must be maintained. Documentation will include: why continuous monitoring is not possible or needed, what procedures will be used to periodically evaluate for atmospheric hazards, and the evaluation frequency to be used that will ensure exposed entrants will have adequate time to escape the permit space will be described.

(9) List other controls required, e.g., hazardous energy control, ventilation, that will eliminate or isolate identified hazards for safe entry

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

(10) List chemicals and quantities authorized for use. List expected exposure levels based on air sampling results. Based on exposure levels, perform reassessments of the confined spaces. The installation Bioenvironmental Engineering (BE) office is the subject matter expert for determining appropriate PPE. BE surveys or assessments shall be used to identify concerns and necessary PPE in case of exposure.

(11) List conditions under which the space may or will be reclassified / temporarily downgraded

(12) Establish communication procedures and identify communication equipment to be used during entries between the attendant and entrants

(13) List of self-rescue training and equipment. Retrieval lines must be used to conduct non-entry rescue. However, when a formal risk assessment determines retrieval lines themselves may constitute an increased risk to the entrant and not contribute to the rescue of the individual, another means will be identified and approved by the CSPT. Results will be documented and maintained with the written confined space program.

(14) Identification of Rescue Teams. Determine and evaluate the source of rescue services (unit organized, contracted, installation Fire and Emergency Services Flight) to be used for permit-required confined space entries.

(i) Identify how rescue services will be notified to ensure prompt response. Entry shall not be made until the rescue team has been notified and their availability is verified.

(ii) When the identified rescue service is not available, the operation shall be halted, unless a secondary trained team is available

(iii) Specify the method that will be used for reliable summoning of the rescue team, e.g., telephone, radio, and ensure it is operable, on hand and easily accessible

(15) Ensure the inspection, testing, maintenance, and documentation of safety and rescue equipment is accompanied in accordance with TO 00-25-245, *Operations Instructions – Testing and Inspection Procedures for Personnel Safety and Rescue Equipment*, Chapter 14, and manufacturer's instructions. If a conflict exists between these documents, use the most restrictive document.

(16) Describe the procedure to retain the canceled permit for one year to facilitate the review of the permit-required confined space program, as required by 29 CFR § 1910.146(e)(5)

(17) Procedure to amend the Confined Space SOP, as needed.

o. Record Retention

p. Description of Revision

q. Attachments

End of OT-2022-30124.

DATA ITEM DESCRIPTION

Title: CORRECTIVE ACTION PLAN (CLASS D / E EVENTS)

Number: OT-2022-30125

Approval Date: 20221221

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/SE)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Corrective Action Plan provides a roadmap for mishap prevention based on the results of a mishap investigation and implementation of mishap recommendations for Class D / E Events.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The Corrective Action Plan shall be in the contractor's electronic format.
3. **Content.** The Corrective Action Plan shall contain the following for any Class D / E Event, as defined in the Glossary of the Department of the Air Force Instruction (DAFI) 91-204, *Safety Investigations and Reports*. (A copy of the DAFI can be found online at <http://www.e-publishing.af.mil/>.)
 - a. Description of the incident
 - b. Extent of personnel injury and / or property damage
 - c. Associated Government mishap class designation
 - d. Contractor corrective actions
 - e. Timeline of corrective action(s) implementation
 - f. Lessons learned

End of OT-2022-30125.

DATA ITEM DESCRIPTION

Title: CRITICAL SPARE PARTS LIST

Number: OT-2022-30126

Approval Date: 20221221

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/TSDI)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Critical Spare Parts List provides the Government with an inventory of all critical spare parts and associated estimated lifecycle end dates, and includes all Instrumentation, Data, and Controls (ID&C) equipment including components of both ID&C and mechanical / operations assets. This list is used for several purposes including but not restricted to the reporting metric for Department of Defense (DoD) and other agencies, tracking of the cost to replace or repair, measuring the assets performance reliability, and analyzing the operations and performance of the assets that fail.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Critical Spare Parts List shall be in the contractor's electronic format using Microsoft Excel.
3. **Content.** The Critical Spare Parts List shall contain the following:
 - a. Inventory List with the following headings:
 - (1) Mission Area
 - (2) Subsystem
 - (3) Hardware Asset Name and Part Number
 - (4) Required Number of Spares
 - (5) Spares on Hand (yes / no)
 - (6) System Status Critical, Limited Spares Available (yes / no)
 - (7) Cost of the Part
 - (8) Replacement Cost
 - (9) Notes (e.g., items that cannot be replaced / repaired, broken, or recurring failure information)

(10) Contractor Point of Contact (POC)

(11) Air Force POC

- b. Planned schedule of replacement for critical spare parts, including estimated end-of-life for replacements

End of OT-2022-30126.

DATA ITEM DESCRIPTION

Title: EXPLOSIVE SAFETY TRAINING MATERIAL

Number: OT-2022-30127

Approval Date: 20221221

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/SE)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: Explosive Safety Training Material is used to ensure personnel have the appropriate training and qualifications to perform weapons / explosive operations. Explosive Safety Training Material promotes a mishap prevention culture and ensures Arnold Engineering Development Complex (AEDC) weapons / explosives operations are performed in accordance with Defense Explosives Safety Regulation (DESR) 6605.09_Air Force Manual (AFMAN) 91-201, *Explosives Safety Standards*, Air Force Instruction (AFI) 91-202, *The US Air Force Mishap Prevention Program*, and AFI 91-208, *Hazards of Electromagnetic Radiation to Ordnance (HERO) Certification and Management*. (Copies of the DESR 6605.09_AFMAN and AFIs are available online at: <http://www.e-publishing.af.mil/>.)

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 contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** Explosive Safety Training Material shall be in electronic format using either Microsoft Word or Adobe Portable Document Format (PDF).
3. **Content.** Explosive Safety Training Material shall contain the following:
 - a. Susceptibility of electrically initiated devices (EIDs)
 - b. Ordinance certification
 - c. Explosive physical configurations
 - d. Documentation of explosive trained personnel
 - e. Information on all phases of S4 (as defined in AFI 91-208) for which the contractor interacts and ordnance operation HERO requirements

End of OT-2022-30127.

DATA ITEM DESCRIPTION

Title: SCI ACCREDITATION PACKAGE

Number: OT-2022-30128

Approval Date: 20221221

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/XP2)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Sensitive Compartmented Information (SCI) Accreditation Package, prepared for the Arnold Engineering Development Complex (AEDC) Special Security Officer (SSO) or the AEDC Government Special Access Program Security Officer (GSSO), includes physical security and the Telecommunications Electronics Material Protected from Emanating Spurious Transmissions (TEMPEST) documentation for the establishment and accreditation of the accredited area. The SCI Accreditation Package includes information to ensure the facility meets prescribed physical, technical, and personnel security standards. The SCI Accreditation Package is a living document that will require periodic updates throughout the life of the accredited area.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The SCI Accreditation Package shall in the contractor's electronic format using Microsoft Word, Microsoft Visio, and / or Portable Document Format (PDF).
3. **Content.** The SCI Accreditation Package shall contain the information as required by the National Counterintelligence and Security Center's *Technical Specifications for Construction and Management of Sensitive Compartmented Information Facilities*, Version 1.5. (A copy of this document is available online at: <https://www.dni.gov/files/Governance/IC-Tech-Specs-for-Const-and-Mgmt-of-SCIFs-v15.pdf>.)

End of OT-2022-30128.

DATA ITEM DESCRIPTION

Title: SCI ACCREDITED AREA SOP

Number: OT-2022-30129

Approval Date: 20221221

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/XP2)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: A Sensitive Compartmented Information (SCI) Accredited Area Standard Operating Procedure (SOP), prepared for the Arnold Engineering Development Complex (AEDC) Special Security Officer (SSO) or the AEDC Government Special Access Program Security Officer (GSSO), provides instructions for proper protection, use, and dissemination of classified material by enforcing information, personnel, physical, communications, industrial, and IA security standards. The SCI Accredited Area SOP is a living document that will require periodic updates throughout the life of the accredited area.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The SCI Accredited Area SOP shall be in the contractor's electronic format using Microsoft Word, Microsoft Visio, and / or Portable Document Format (PDF).
3. **Content.** The SCI Accredited Area SOP shall contain the information as required by the Department of Defense Manual (DoDM) 5105.21, *Sensitive Compartmented Information (SCI) Administrative Security Manual*, Volumes 1, 2, and 3 (a copy of this document is available online at: <https://www.esd.whs.mil/>) and the National Counterintelligence and Security Center's *Technical Specifications for Construction and Management of Sensitive Compartmented Information Facilities*, Version 1.5 (a copy of this document is available online at: <https://www.dni.gov/files/Governance/IC-Tech-Specs-for-Const-and-Mgmt-of-SCIFs-v15.pdf>).

End of OT-2022-30129.

DATA ITEM DESCRIPTION

Title: SCI / ISR IS SECURITY TEST PLAN REPORT

Number: OT-2022-30130

Approval Date: 20221221

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/XP2)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Sensitive Compartmented Information (SCI) / Intelligence, Surveillance, Reconnaissance (ISR) Information Systems (IS) Security Test Plan Report is used to plan, execute, and document the assessment of Risk Management Framework (RMF) Authorization & Accreditation (A&A) security controls pertaining to SCI / ISR IS. The SCI / ISR IS Security Test Plan Report provides an assessment of security controls for verification by the Arnold Engineering Development Complex (AEDC) Intelligence Information System Security Manager, Authorizing Official / Delegated Authorizing Official, and Security Control Assessors.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The SCI / ISR IS Security Test Plan Report shall be in the contractor's electronic format using Microsoft Word or Portable Document Format (PDF).
3. **Content.** The SCI / ISR IS Security Test Plan Report shall contain the following for each SCI/ISR information system (the contractor may add content, as required):
 - a. A list of RMF security controls applicable to the information system based on the SCI / ISR IS A&A accreditation.
 - b. Detailed methods and steps used to assess each security control, in accordance with National Institute of Standards and Technology (NIST) Special Publication 800-53A, *Assessing Security and Privacy Controls in Federal Information Systems and Organizations*. (A copy of this document is available online at: <https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-53Ar4.pdf>.)
 - c. Detailed explanation of the results, along with an overall summary of the test results.
 - d. List of deficiencies, recommended mitigations, and a detailed Plan of Action and Milestones (POA&M) to correct the identified deficiencies, which will be approved by

OT-2022-30130

the Information System Security Manager (ISSM) and acceptable to the Authorizing Official / Delegated Authorizing Official for the Information System.

End of OT-2022-30130.

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

DATA ITEM DESCRIPTION

Title: SCI / ISR RMF A&A PACKAGE

Number: OT-2022-30131

Approval Date: 20221221

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/XP2)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: A Sensitive Compartmented Information (SCI) / Intelligence, Surveillance, Reconnaissance (ISR) Risk Management Framework (RMF) Assessment and Authorization (A&A) Package contains the body of evidence and system security plan (SSP) required for the accreditation of a SCI / ISR Information System (IS). Each accreditation package documents security controls implementations for the IS, IS baselines (e.g., hardware, software, network), and is a living body of evidence that will require periodic updates throughout the life of the accredited system.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The SCI / ISR RMF A&A Package shall be in electronic format using the Air Force Intelligence Community's official system of record, Xacta. Supporting artifacts shall be in the contractor's electronic format using a combination of Microsoft Word, Microsoft Excel, Adobe Portable Document Format (PDF), and Joint Photographic Experts Group (JPEG) image files.
3. **Content.** SCI / ISR RMF A&A Package(s) shall be in accordance with Office of the Director of National Intelligence's Intelligence Community Directive 503, *Intelligence Community Information Technology Systems Security Risk Management*. (A copy of this document is available online at: <https://www.dni.gov/files/documents/ICD/ICD503.pdf>.) Additional guidance also provided by Committee on National Security Systems (CNSS) Instruction No. 1253, *Categorization and Control Selection for National Security Systems*. (A copy of this document is available online at: <https://www.cnss.gov/CNSS/openDoc.cfm?cOzPqH54I4gfztVhkzNk3A==>.)

End of OT-2022-30131.

DATA ITEM DESCRIPTION

Title: SCI / ISR SOPS AND INSTRUCTIONS

Number: OT-2022-30132

Approval Date: 20221221

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/XP2)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Sensitive Compartmented Information (SCI) / Intelligence, Surveillance, and Reconnaissance (ISR) Standard Operating Procedures (SOPs) and Instructions detail processes and step-by-step instructions for the proper protection, operation, and maintenance of SCI / ISR Information Systems (IS). SOPs and Instructions support the body of evidence required to meet Risk Management Framework (RMF) security control requirements for system accreditation. SOPs and Instructions are living documents that will require periodic reviews and updates throughout the life of the IS.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The SCI / ISR SOPs and Instructions shall be in the contractor's electronic format using a combination of Microsoft Word and Adobe Portable Document Format (PDF).
3. **Content.** The SCI / ISR SOPs and Instructions shall contain the following (the contractor may add content, as required).
 - a. Title Page (Title, Document Number, Version, and Release)
 - b. Signature Page (Prepared by, Reviewed by, and Approved by blocks)
 - c. Change Log Page (Version, Release, Change Description, Revised by)
 - d. Table of Contents Page
 - e. Body (Authority policies section, purpose section, scope section, roles and responsibilities section, procedure and / or step-by-step instructions section(s), and reference section)
 - f. Appendix of Acronyms

End of OT-2022-30132.

DATA ITEM DESCRIPTION

Title: SCI TEST SECURITY PLAN

Number: OT-2022-30133

Approval Date: 20221221

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/XP2)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: A Sensitive Compartmented Information (SCI) Test Security Plan, prepared for the Arnold Engineering Development Complex (AEDC) Special Security Officer (SSO) or the AEDC Government Special Access Program Security Officer (GSSO) for each SCI and Special Access Program (SAP) test, identifies unique security requirements related to specific test efforts. The SCI Test Security Plan provides all employees supporting a test with test-specific security guidance and procedures.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The SCI Test Security Plan shall be in the contractor's electronic form using Microsoft Word or Portable Document Format (PDF).
3. **Content.** The SCI Test Security Plan shall contain the following:
 - a. Signature Approval Blocks for the Security Cognizance Official, GSSO, Government Information Systems Security Manager, and the Government Program Manager
 - b. Security Classification Requirements
 - c. Test overview
 - d. Operations Security (OPSEC) Requirements
 - e. Physical Security Requirements, including detailed diagrams or drawings
 - f. Personnel Security Requirements
 - g. Information Security Requirements
 - h. Information Systems Security Requirements
 - i. Other test-specific security requirements

End of OT-2022-30133.

DATA ITEM DESCRIPTION

Title: BHA / THA

Number: OT-2023-30002

Approval Date: 20230105

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/SE)

Project Number: N/A

Applicable Forms: AFTC Form 5000

Use/Relationship: The Baseline Hazard Analysis (BHA) documents and facilitates discussion of the baseline test facility hazard analysis documenting the operating hazards, causes, effects, minimizing procedures, and any emergency procedures resulting in the documented risk level. The aggregate of all BHA risk levels are used to provide the overall operating risk to be approved by the appropriate Government authority. Similarly, the Test Hazard Analysis (THA) is used to document and facilitate discussion of any test peculiar hazard associated with a specific test item within a specific facility/resource. The THA is used beyond the BHA to determine if any BHA is exacerbated by the test itself.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

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.
2. **Format.** The BHA / THA shall be in the contractor's electronic format, using the AFTC Form 5000 for each THA. (A copy of the AFTC Form 5000 can be obtained by sending a document request via email to aedc.se.workflow@us.af.mil.)
3. **Content.** The BHA / THA shall contain the information as required by the AEDC Supplement to the Air Force Test Center Instruction (AFTCI) 91-202, *Air Force Test Center Test Safety Review Policy*. (A copy of the AFTCI 91-202_AEDCSUP can be found online at <http://www.e-publishing.af.mil/>.)

End of OT-2023-30002.

DATA ITEM DESCRIPTION

Title: PRE-TASK CHECKLIST

Number: OT-2023-30003

Approval Date: 20230105

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/SE)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Pre-Task Checklist is intended for a qualified explosives safety contractor to run a pre-task checklist prior to any rocket motor operations or movement. This checklist helps ensure required procedures are conducted safely.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for Arnold Engineering Development Complex (AEDC) solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Pre-Task Checklist shall be in the contractor's electronic format.
3. **Content.** The Pre-Task Checklist shall contain the following:
 - a. Verify training requirements met and qualifications of those personnel involved in the rocket motor operation or movement
 - b. Ensure two 2A10BC fire extinguishers are present
 - c. Ensure required Personal Protective Equipment is available and used
 - d. Ensure that personnel limits are considered, posted, and enforced
 - e. Ensure that explosive limits are posted and enforced
 - f. Check that general housekeeping is adequate
 - g. Verify static grounding / bonding requirements are met
 - h. Verify explosive operations are conducted in accordance with rocket motor technical data / work instructions
 - i. A signature block that includes fields for the checklist to be dated and signed

End of OT-2023-30003.

DATA ITEM DESCRIPTION

Title: FOLLOW-ON PROCUREMENT DATA PACKAGE

Number: OT-2023-30004

Approval Date: 20230110

AMSC Number: N/A

Limitation: FA9101-22-R-B001

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 10 (AEDC/FM)

Project Number: N/A

Applicable Forms: N/A

Use/Relationship: The Follow-on Procurement Data Package provides the Government with data on specific items and supporting documentation related to resource/cost information in support of solicitation requirements for follow-on contracts. In the event of a competitive solicitation for a follow-on effort, Arnold Engineering Development Complex (AEDC) may provide non-proprietary historical information, such as average composite direct labor rates and approximate seniority profiles of incumbent personnel, to all interested parties in order to increase the probability of realistic and reasonable pricing.

This Data Item Description (DID) contains the format, content, and intended use information for the data product resulting from the work task described in the contract Performance Work Statement (PWS). This DID is for one-time use for AEDC solicitation FA9101-22-R-B001, Test Operations and Sustainment (TOS) II.

Requirements:

1. **Reference documents.** None.
2. **Format.** The Follow-on Procurement Data Package shall be in the contractor's electronic format using Microsoft Excel or Adobe Portable Data Format (PDF).
3. **Content.** The Follow-on Procurement Data Package shall contain the following data, required from the prime and major subcontractors (major subcontractors defined those subcontractors that performs 10% or more of the contract scope based on labor hours or total cost):

a. Labor Resources

(1) List of directly charged labor skills by contractor labor category, and segregated by current Work Breakdown Structure (WBS) element. Include the number of Full-Time Equivalents (FTEs)* currently supporting each WBS element. The FTE detail shall be at the lowest WBS element for which current contract tracking is available or at the level directed by the Contracting Officer. Ensure that FTEs counted at the lowest WBS level are not counted again at the next highest WBS level. See example provided below in Table 1.

Table 1: Example of Data Required per Paragraph (a.(1)):

Labor Category	WBS Element	No. of FTEs
Mechanical Engineer	1.1.3.1	6.4 (Not included 1.1.3)

Instrumentation Engineer	1.5.3	1.75 (Not included in 1.5)
Accountant I	6.4.2	1.9 (Not included in 6.4)

*An FTE is defined as the work of a full-time equivalent person based on the contractor's accounting system. For example, if the accounting system dictates that an FTE constitutes 1,880 productive hours (total hours minus paid time off), then four people working 470 hours per year would make up one FTE.

(2) The average current straight time labor rate** for each direct-charged labor category identified in paragraph a.(1), including the source data that comprises the average rate. See example provided below in Table 2.

Table 2: Example of Data Required per Paragraph (a.(2)):

Labor Category	No. of FTEs	Direct Labor Rate	Exempt or non-exempt?
Accountant I	1.75	\$32.17	Exempt
Mechanical Engineer	12.2	\$41.25	Exempt
Instrumentation Engineer	1.9	\$39.84	Exempt

**This is the current weighted average straight-time direct labor rate with NO BURDENS APPLIED and is NOT the contract's Section B rate table rates, if there are any.

(3) Seniority level of all FTEs identified in paragraph a.(1) above, for fringe benefit calculation purposes. Provide data separately for exempt and non-exempt personnel:

- i. Number of FTEs with 0 to 5 years of experience.
- ii. Number of FTEs with greater than 5 years and up to 10 years of experience.
- iii. Number of FTEs with greater than 10 years and up to 15 years of experience.
- iv. Number of FTEs with greater than 15 years of experience.

(4) Insurance categories for all FTEs identified in paragraph a.(1) above, for fringe benefit calculation purposes.

- i. Number of FTEs with single insurance
 - ii. Number of FTEs with single +1 insurance
 - iii. Number of FTEs with single + family insurance
- b. Non-Labor Resources: Provide total non-labor cost incurred for the most recent 12-month period grouped by expense type (e.g., travel, training, material, etc.).

End of OT-2023-30004.