## Track: Training - Course Outline

### AGENDA

- CSDR 101
- CSDR Planning
- “CADEPardy”
- CSDR Validation Process & Demo
- CADE Demo
- Round Table Discussion
- Summary, Questions, and Wrap up

### By the end of the training, you will understand:

- **How CADE improves productivity**
- **CADE tools & processes, and how you fit into the process**
- **The importance of CSDRs**
- **The CSDR Planning and CSDR validation Process and Procedures**
- **How to avoid common planning and Reporting pitfalls**

- Be able to explain the utility of CSDRs
- Improve data quality through CSDR planning
- Successfully submit a report to the DCARC
CSDR 101
CADE Authoritative Data Sources
CADE Total Access Dashboard

- Dashboard default view
- Site-Level Navigation
- Contextual Help and Feedback

Program-specific data

Immediate access to Favorite Programs

Shortcuts to related information

Acquisition Cost and Quantity Estimate

Time-Phased Acquisition Costs and Quantity
-Dec 2010 SAR

Program Contracts and Data Availability

Community Knowledge

CCRL Search
Open CCRL website in a new tab
The Collaborative Cost Research Library is an online document library that contains over 16,000 cost research files contributed by the services and support contractors. Search among these documents here.
Search CCRL Documents
WHY WE NEED THIS DATA - Improved Acquisition Outcomes

**BETTER DATA:**

- **Quality:** Authoritative Quality Data means more time for analysis; less time collecting data.
- **Completeness:** Integrated data enables comprehensive assessments; less burden on industry
- **Availability:** Near real-time access to data
- **Transparency:** Authoritative Source data also increases confidence in results

**STRONGER DECISION SUPPORT:**

- **Standardized:** Standardized data collection supports standardized analysis
- **Cost Realism:** Fundamental to preparing credible cost estimates
- **Institutional Knowledge:** Effective tool to retain historical knowledge and turn data into information
- **Budget Preparation:** Used to assess the adequacy of budgets and program plans
THE CADE EFFECT ON THE COST COMMUNITY
Why We Need This Data:

**IMPROVED ACQUISITION OUTCOMES:**
- **Authoritative Quality Data:** Cooperative Planning and Compliance lead to better data and improved program management
- **Cost Realism:** Provide real-time cost data for analysis & contract negotiations
- **Full view of Weapons Systems Program Performance:** Visual analytics, trend analysis & technical data to improve cost realism and make informed decisions

**EFFICIENT AND EFFECTIVE ANALYSIS:**
(at all levels: OSD, Services, PMOs)
- Improved Analytical Rigor & Productivity
- More time for analysis; less time collecting data
- More comprehensive assessments & Reduced burden on Industry

**COST COMMUNITY COORDINATION:**
- Revolutionizing Cost Data collection
- Cost Community has Requirements, Leadership, & Operational Responsibility
- Common Terminology has created the ability to estimate across Departments

**CADE Integration Across the Community**

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**CADE Foundation**
- About CADE, Request Access
- CSDR, DCARC, DACIMS Policy, Info
- EVM, EVM-CR, Policy, Info
Why Should You Care – More Efficient and Effective Analysis

Improve Analyst Productivity:
- Less burden on analyst to retrieve and process data
- Become familiar with programs more quickly
- Complete analysis facilitates telling the program’s “story”

Comprehensive Data:
- Improved Planning and Compliance lead to better data
- “One-stop shop” for Cost, EVM, Programmatic, and Technical
- Centralized virtual library includes CARDs and ICEs

Cost analysts will have data and institutional knowledge at their fingertips. It will be the exception – not the rule – that we have to go back to Industry to do our estimates.
Why Should You Comply?

**Weapon System Acquisition Reform Act of 2009**

WSARA

Assigns the responsibilities of the DCAPE

**DoDD 5105.84**

Policies for management of all acquisition programs

DoDI 5000.02

Summarizes CSDR reporting thresholds

DoDM 5000.04-M-1

Requirements for programs with CSDRs

MIL-STD-881C

CSDR Plan

CDRLs

DIDs

DD Forms

CSDR implementation documents

Systematic cost data collection is necessary for program stability
CADE Authoritative Data Sources
EVM-CR – The EVM Engine

Access point to the EVM-CR
(Either a CAC or ECA Certificate is required)

DCARC Portal
Portal Login
Access to EVM-CR, Visual Display
Request Portal Access
Registration Instructions

EVM Central Repository Overview

Viewers for Contract Performance Report (CPR) and Integrated Master Schedule (IMS files)

EVM Tools

Documentation

UN/CEFACT XML

Data Item Descriptions (DIDs), Sample CDRL Language, and Guides

eXtensible Markup Language (XML) Schemas and Data Exchange Instructions (DEIs)

Tools for EVM success are available at http://cade.osd.mil/EVM/
CADE Authoritative Data Sources
DCARC – The CSDR “Engine”

Access point to the CSDR-SR (Either a CAC or ECA Certificate is required)

Still having trouble? Send us an email

Tools for CSDR success are available at http://cade.osd.mil/CSDR/
What are Cost and Software Data Reports? (CSDRs)

- Organized via a standard, product-oriented WBS
- Reporting required on MDAP/MAIS contracts and subcontracts
  - Over $50M
  - Optional between $20M and $50M
  - ACAT II & III Programs (demand from services)
- Helps us project future program & contract costs
- Available to all DoD Government analysts electronically
Types of CSDRs

**CSDR Data We Collect Today**

- **“Cost Summary”**
  - Cost Data Summary Report (DD 1921)
    - Summary cost data for all elements on approved contract CSDR plan

- **“Dictionary”**
  - Contract Work Breakdown Structure Dictionary (CWBS)
    - Lists all contract data reporting elements with definitions of technical, work, and cost content

- **“Plan”**
  - CSDR Plan (DD 2794)

- **“Functional Breakout”**
  - Functional Cost-Hour Report (DD 1921-1)
    - Cost and hour data for specific elements broken down by functional category

- **“By Tail Number”**
  - Progress Curve Report (DD 1921-2)
    - Lot or Unit reporting of direct recurring costs to date for specific hardware elements

- **“Business Base”**
  - Contractor Business Data Report (DD 1921-3)
    - Direct & Indirect cost, hour & employee data by functional category for a Contractor Business Unit

- **“Sustainment”**
  - Sustainment Report (DD 1921-5)
    - Nonrecurring & recurring costs reported against a sustainment cost element structure & functional categories

- **“Software”**
  - Software Resource Data Reports (SRDRs)
    - Size, schedule & effort on data on software development

- **“Sustainment”**
  - Sustainment Report (DD 1921-5)
    - Nonrecurring & recurring costs reported against a sustainment cost element structure & functional categories

- **“Software”**
  - Software Resource Data Reports (SRDRs)
    - Size, schedule & effort on data on software development
# CSDR Plan DD Form 2794

## Definitions

- **CSDR Plan**: Defines WBS used for CSDR submissions.
- **Identifies required reports**: Lists Submission Events and expected due dates.
- **Contains Standard Plan Language and Special Contractor Instructions**: Metadata, Element Code and Reporting Elements, Submission Events.

## Table Structure

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
<th>Column C</th>
<th>Column D</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. NAME:</td>
<td>a. SUBMISSION</td>
<td>a. WBS SYSTEM TYPE</td>
<td>a. SUBMISSION TYPE</td>
</tr>
<tr>
<td>b. PHASE/MILESTONE</td>
<td>b. FORM(S)</td>
<td>b. CURRENT SUBMISSION DATE (YYMMDD)</td>
<td>b. SUBMISSION FORM(S)</td>
</tr>
<tr>
<td>c. PRIME MISSION PRODUCT</td>
<td>c. EVENT</td>
<td>c. LAST APPROVED PLAN DATE (YYMMDD)</td>
<td>c. APPROPRIATION</td>
</tr>
<tr>
<td>d. WBS SYSTEM TYPE</td>
<td>d. AS OF DATE (YYMMDD)</td>
<td>d. DD 1921-2 (PCR)</td>
<td>d. DD 1921-3 (CSR)</td>
</tr>
<tr>
<td>e. WBS REPORTING ELEMENTS</td>
<td>e. DUE DATE (YYMMDD)</td>
<td>e. DD 1921-4 (CSR)</td>
<td>e. DD 1921-5 (CDSR)</td>
</tr>
<tr>
<td>f. PREPARING ORGANIZATION</td>
<td>f. CONTRACT NUMBER</td>
<td>f. DD 1921-6 (FCHR)</td>
<td>f. E-MAIL ADDRESS</td>
</tr>
<tr>
<td>g. CONTRACTOR NAME/ADDRESS</td>
<td>g. PHONE NUMBER</td>
<td>g. DD 1921-7 (PCR)</td>
<td>g. FAX NUMBER</td>
</tr>
<tr>
<td>h. TELEPHONE NUMBER</td>
<td>h. CONTRACTOR ADDRESS</td>
<td>h. DD 1921-8 (PCR)</td>
<td>h. E-MAIL ADDRESS</td>
</tr>
<tr>
<td>i. PERFORMING ORGANIZATION</td>
<td>i. CONTRACTOR ADDRESS</td>
<td>i. DD 1921-9 (PCR)</td>
<td>i. CONTRACTOR ADDRESS</td>
</tr>
<tr>
<td>j. CONTRACT NUMBER</td>
<td>j. DUE DATE</td>
<td>j. DD 1921-10 (PCR)</td>
<td>j. DUE DATE</td>
</tr>
<tr>
<td>k. CONTRACTOR NAME/ADDRESS</td>
<td>k. DUE DATE</td>
<td>k. DD 1921-11 (PCR)</td>
<td>k. DUE DATE</td>
</tr>
<tr>
<td>l. CONTRACTOR ADDRESS</td>
<td>l. DUE DATE</td>
<td>l. DD 1921-12 (PCR)</td>
<td>l. DUE DATE</td>
</tr>
<tr>
<td>m. CONTRACTOR ADDRESS</td>
<td>m. DUE DATE</td>
<td>m. DD 1921-13 (PCR)</td>
<td>m. DUE DATE</td>
</tr>
<tr>
<td>n. CONTRACTOR ADDRESS</td>
<td>n. DUE DATE</td>
<td>n. DD 1921-14 (PCR)</td>
<td>n. DUE DATE</td>
</tr>
<tr>
<td>o. CONTRACTOR ADDRESS</td>
<td>o. DUE DATE</td>
<td>o. DD 1921-15 (PCR)</td>
<td>o. DUE DATE</td>
</tr>
<tr>
<td>p. CONTRACTOR ADDRESS</td>
<td>p. DUE DATE</td>
<td>p. DD 1921-16 (PCR)</td>
<td>p. DUE DATE</td>
</tr>
<tr>
<td>q. CONTRACTOR ADDRESS</td>
<td>q. DUE DATE</td>
<td>q. DD 1921-17 (PCR)</td>
<td>q. DUE DATE</td>
</tr>
<tr>
<td>r. CONTRACTOR ADDRESS</td>
<td>r. DUE DATE</td>
<td>r. DD 1921-18 (PCR)</td>
<td>r. DUE DATE</td>
</tr>
<tr>
<td>s. CONTRACTOR ADDRESS</td>
<td>s. DUE DATE</td>
<td>s. DD 1921-19 (PCR)</td>
<td>s. DUE DATE</td>
</tr>
<tr>
<td>t. CONTRACTOR ADDRESS</td>
<td>t. DUE DATE</td>
<td>t. DD 1921-20 (PCR)</td>
<td>t. DUE DATE</td>
</tr>
<tr>
<td>u. CONTRACTOR ADDRESS</td>
<td>u. DUE DATE</td>
<td>u. DD 1921-21 (PCR)</td>
<td>u. DUE DATE</td>
</tr>
<tr>
<td>v. CONTRACTOR ADDRESS</td>
<td>v. DUE DATE</td>
<td>v. DD 1921-22 (PCR)</td>
<td>v. DUE DATE</td>
</tr>
<tr>
<td>w. CONTRACTOR ADDRESS</td>
<td>w. DUE DATE</td>
<td>w. DD 1921-23 (PCR)</td>
<td>w. DUE DATE</td>
</tr>
<tr>
<td>x. CONTRACTOR ADDRESS</td>
<td>x. DUE DATE</td>
<td>x. DD 1921-24 (PCR)</td>
<td>x. DUE DATE</td>
</tr>
<tr>
<td>y. CONTRACTOR ADDRESS</td>
<td>y. DUE DATE</td>
<td>y. DD 1921-25 (PCR)</td>
<td>y. DUE DATE</td>
</tr>
<tr>
<td>z. CONTRACTOR ADDRESS</td>
<td>z. DUE DATE</td>
<td>z. DD 1921-26 (PCR)</td>
<td>z. DUE DATE</td>
</tr>
</tbody>
</table>

## Metadata

- **Element Code and Reporting Elements**: Required Reports
- **Submission Events**: Contract Plan Language and Special Instructions

## Reminders

- **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, Executive Services Directorate (0704-0188). 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 completed form to the above organization.**
# CWBS Dictionary

<table>
<thead>
<tr>
<th>CWBS CODE</th>
<th>CWBS ELEMENT LEVEL</th>
<th>CWBS ELEMENT NAME</th>
<th>CWBS DEFINITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>1</td>
<td>P-49 Phoenix Fighter</td>
<td>This WBS element includes the cost of the P-49 Phoenix Fighter in addition to the cost of the common WBS elements. The P-49 Phoenix Fighter is an Army aircraft developed to conduct anti-submarine warfare. This WBS element reports the total production cost, including all design, development, production, and procurement efforts associated with the total complement of equipment, software, services, facilities, and integrated logistics support that are necessary to deliver and maintain the aircraft, through the cost for the common WBS elements. WBS element 1.1 Air Vehicle captures the cost of the product, while WBS elements 1.3 through 1.1.1 capture the cost of the &quot;common elements&quot;.</td>
</tr>
<tr>
<td>1.1</td>
<td>1</td>
<td>Air Vehicle</td>
<td>The air vehicle element includes design, production, material and equipment procurements including associated vendor design/development efforts to provide for a functionally integrated air vehicle including installation of engines and avionics and all contractor vendor design to provide the fuselage, canopy assembly, and access doors. The makeup of the air frame is comprised of steel and composite metals including aluminum alloys. This element includes the basic structure including the wings, fuselage, empennage, and nacelle.</td>
</tr>
<tr>
<td>1.1.1</td>
<td>1</td>
<td>Airframe</td>
<td>The propulsion system incorporates the X5231 engine. The engine is started by firing the start cartridge and the igniter cartridge. The start cartridge produces high pressure gasses which impinge on a turbine, thereby spinning the engine up to starting speed.</td>
</tr>
<tr>
<td>1.1.2</td>
<td>1</td>
<td>Propulsion</td>
<td>The vehicle subsystems includes design, production, material and equipment procurements including associated vendor design/development efforts to provide for the Auxiliary Power Unit, Airframe Mounted Accessory Drive, Air Turbine Starter, oil cooling lines. The equipments perform engine starting on the ground, emergency starting during flight, ground checkout operations of aircraft accessories, and power takeoff for hydraulic pumps and electrical generator system and fuel motive flow pumps.</td>
</tr>
<tr>
<td>1.1.3</td>
<td>1</td>
<td>Vehicle Subsystems</td>
<td>The avionics includes the X-1PY radar, radar altimeter, direction finding set, doppler compass, computer. The contractor is procuring this item from a supplier, and is also completing tests upon delivery.</td>
</tr>
<tr>
<td>1.1.4</td>
<td>1</td>
<td>Avionics</td>
<td>This WBS element includes the cost of the P-49 Phoenix Fighter in addition to the cost of the common WBS elements. The P-49 Phoenix Fighter is an Army aircraft developed to conduct anti-submarine warfare. This WBS element reports the total production cost, including all design, development, production, and procurement efforts associated with the total complement of equipment, software, services, facilities, and integrated logistics support that are necessary to deliver and maintain the aircraft, through the cost for the common WBS elements. WBS element 1.1 Air Vehicle captures the cost of the product, while WBS elements 1.3 through 1.1.1 capture the cost of the &quot;common elements&quot;.</td>
</tr>
<tr>
<td>1.1.5</td>
<td>1</td>
<td>Armament/Weapons Delivery</td>
<td>This WBS element is not applicable to this contract.</td>
</tr>
<tr>
<td>1.1.6</td>
<td>1</td>
<td>Auxiliary Equipment</td>
<td>This WBS element is not applicable to this contract.</td>
</tr>
<tr>
<td>1.1.7</td>
<td>1</td>
<td>Furnishings and Equipment</td>
<td>This WBS element is not applicable to this contract.</td>
</tr>
<tr>
<td>1.1.8</td>
<td>1</td>
<td>Air Vehicle Software</td>
<td>This WBS element is not applicable to this contract.</td>
</tr>
<tr>
<td>1.1.9</td>
<td>1</td>
<td>Air Vehicle Integration, Assembly, Test, and Checkout</td>
<td>The air vehicle integration, assembly, test and checkout is conducted by the contractor at the contractor's site. It includes load analysis, stress analysis, and maintenance effort. Also included is the joining and installation of all third level WBS elements into the air vehicle, as well as final acceptance testing. All work is being conducted by the contractor at the contractor's facilities.</td>
</tr>
<tr>
<td>1.2</td>
<td>1</td>
<td>Systems Engineering</td>
<td>Program management includes the contractor's efforts to perform tasks required for planning and control of program schedules, cost and technical performance including WBS maintenance, work authorizations, budgeting and data reporting. Also included is management and maintenance of the requirements database.</td>
</tr>
<tr>
<td>1.3</td>
<td>1</td>
<td>Program Management</td>
<td>Program management includes the contractor's efforts to perform tasks required for planning and control of program schedules, cost and technical performance including WBS maintenance, work authorizations, budgeting and data reporting. Also included is management and maintenance of the requirements database.</td>
</tr>
<tr>
<td>1.4</td>
<td>1</td>
<td>System Test and Evaluation</td>
<td>This WBS element is not applicable to this contract.</td>
</tr>
<tr>
<td>1.5</td>
<td>1</td>
<td>Training</td>
<td>This WBS element is not applicable to this contract.</td>
</tr>
<tr>
<td>1.6</td>
<td>1</td>
<td>Data</td>
<td>This WBS element is not applicable to this contract.</td>
</tr>
<tr>
<td>1.7</td>
<td>1</td>
<td>Peculiar Support Equipment</td>
<td>This WBS element is not applicable to this contract.</td>
</tr>
<tr>
<td>1.8</td>
<td>1</td>
<td>Common Support Equipment</td>
<td>This WBS element is not applicable to this contract.</td>
</tr>
<tr>
<td>1.9</td>
<td>1</td>
<td>Operational/Site Activation</td>
<td>This WBS element is not applicable to this contract.</td>
</tr>
<tr>
<td>1.10</td>
<td>1</td>
<td>Industrial Facilities</td>
<td>This WBS element is not applicable to this contract.</td>
</tr>
<tr>
<td>1.11</td>
<td>1</td>
<td>Initial Spares &amp; Repair Parts</td>
<td>This WBS element is not applicable to this contract.</td>
</tr>
</tbody>
</table>
## Cost Data Summary Report
### DD Form 1921

**COST DATA SUMMARY REPORT**

The public reporting burden for this collection of information is estimated to average 8 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, Executive Services Directorate (0704-0188). 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.

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**WBS**

<table>
<thead>
<tr>
<th>WBS Element Code</th>
<th>WBS Reporting Elements</th>
<th>Number of Units To Date</th>
<th>Costs Incurred to Date (Thousands of U.S. Dollars)</th>
<th>Number of Units At Completion</th>
<th>Costs Incurred at Completion (Thousands of U.S. Dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Nonrecurring</td>
<td>Recurring</td>
<td>Total</td>
</tr>
</tbody>
</table>

**Remarks**

Remarks:
### Functional Cost-Hour Report

**DD Form 1921-1**

**FUNCTIONAL COST-HOUR REPORT**

**Major Program Name:**

**Phase/Milestone:**

**Prime Mission Product:**

**Type Action:**

**Period of Performance:**

**Type/Action:**

**WBS Element Code and Name:**

**WBS Reporting Element:**

**Number of Units to Date and at Completion:**

**Costs and Hours Incurred to Date:**

**Costs and Hours Incurred at Completion:**

**Remarks:**

**Security Classification:** Unclassified
UNCLASSIFIED

Cost Assessment Data Enterprise

Progress Curve Report
DD Form 1921-2

For specific hardware WBS elements
Unit or Lot reporting
Technical Characteristics
To Date, Direct Recurring costs & hours
Detailed breakout of resource data
Reporting by functional category

metadata

WBS Element Code and Name

WBS Element Code and Name

Completed Units/Lots

Functional Categories

To Date, Direct Recurring costs & hours

Detailed breakout of resource data
Reporting by functional category

Remarks

DD Form 1921-2, 20110518

PREVIOUS EDITION IS OBSOLETE
SECURITY CLASSIFICATION
Unclassified

DD 1921-2, 20110518

PREVIOUS EDITION IS OBSOLETE
SECURITY CLASSIFICATION
Unclassified

DD 1921-2, 20110518

PREVIOUS EDITION IS OBSOLETE
SECURITY CLASSIFICATION
Unclassified
## Contractor Business Data Report

**DD Form 1921-3**

### Sections

- **Direct Costs by Program**
- **Indirect Cost Categories**
- **Direct Labor Rates by Function**
- **Organization & Accounting Changes**

### Indirect Cost Categories

- **Indirect: Cost / Hours / Manpower**
  - Report dollars and hours in thousands.

### Direct Labor Rates

- **Direct Labor Rates (Functional Categories)**
  - Reporting by Program
  - Reporting by Category

### Production Capacity

- **Current Year (Report hours in thousands)**
  - Number of Units
  - FPR Unit % of Full Production Capacity
  - Method of Calculating "FPR Unit % of Full Production Capacity"
## Contractor Sustainment Functional Cost-Hour Report

**DD Form 1921-5**

### Contractor Sustainment Functional Cost-Hour Report

The public reporting burden for this collection of information is estimated to average 16 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, Executive Services Directorate (0704-0188). 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 COMPLETED FORM TO THE ABOVE ORGANIZATION.

### Sustainment Functional Categories

<table>
<thead>
<tr>
<th>Costs and Hours Incurred to Date</th>
<th>Costs and Hours Incurred at Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engineering</strong></td>
<td></td>
</tr>
<tr>
<td>(1) Direct Engineering Labor Hours</td>
<td></td>
</tr>
<tr>
<td>(2) Direct Engineering Labor Dollars</td>
<td></td>
</tr>
<tr>
<td>(3) Engineering Overhead Dollars</td>
<td></td>
</tr>
<tr>
<td>(4) Total Engineering Dollars</td>
<td></td>
</tr>
<tr>
<td><strong>Program Management</strong></td>
<td></td>
</tr>
<tr>
<td>(5) Direct Program Management Labor Hours</td>
<td></td>
</tr>
<tr>
<td>(6) Direct Program Management Labor Dollars</td>
<td></td>
</tr>
<tr>
<td>(7) Program Management Overhead Dollars</td>
<td></td>
</tr>
<tr>
<td>(8) Total Program Management Dollars</td>
<td></td>
</tr>
<tr>
<td><strong>Maintenance Operations</strong></td>
<td></td>
</tr>
<tr>
<td>(9) Touch Maintenance Labor Hours</td>
<td></td>
</tr>
<tr>
<td>(10) Touch Maintenance Labor Dollars</td>
<td></td>
</tr>
<tr>
<td>(11) Touch Maintenance Overhead Dollars</td>
<td></td>
</tr>
<tr>
<td>(12) Support Maintenance Labor Hours</td>
<td></td>
</tr>
<tr>
<td>(13) Support Maintenance Labor Dollars</td>
<td></td>
</tr>
<tr>
<td>(14) Support Maintenance Overhead Dollars</td>
<td></td>
</tr>
<tr>
<td>(15) Total Maintenance Operations Dollars</td>
<td></td>
</tr>
<tr>
<td><strong>Materials</strong></td>
<td></td>
</tr>
<tr>
<td>(16) Raw Material Dollars</td>
<td></td>
</tr>
<tr>
<td>(17) Purchased Parts Dollars</td>
<td></td>
</tr>
<tr>
<td>(18) Purchased Equipment Dollars</td>
<td></td>
</tr>
<tr>
<td>(19) Material Handling/Overhead Dollars</td>
<td></td>
</tr>
<tr>
<td>(20) Total Direct Reporting Subcontractor Dollars</td>
<td></td>
</tr>
<tr>
<td>(21) Total Material Dollars</td>
<td></td>
</tr>
<tr>
<td>(22) Other Costs Not Shown Elsewhere (Specify in Remarks)</td>
<td></td>
</tr>
<tr>
<td><strong>Summary</strong></td>
<td></td>
</tr>
<tr>
<td>(23) Total Cost (Direct and Overhead)</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks**

DD Form 1921-5, MAY 2015

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**Metadata**

- **Major Program**: a. NAME:
  - Pre-A B C-FRP
  - A C-LRIP O&S
- **Solicitation No.**
- **Cost Assessment Data Enterprise**

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**WBS Element Code and Name**

- **WBS Element Code**
- **WBS Reporting Element**

---

**Insight into individual WBS elements**

- Recurring & Nonrecurring costs

---

**Actual costs to date, estimates at completion**

- Detailed breakout of all resource data

---

**Reporting by sustainment functional categories**
### Section 3.3 ACTUAL PRODUCT SIZE REPORTING

<table>
<thead>
<tr>
<th>NUMBER OF SOFTWARE REQUIREMENTS</th>
<th>NUMBER OF EXTERNAL INTERFACE REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL NEW</td>
<td>TOTAL NEW</td>
</tr>
</tbody>
</table>

**Section 3.3.4 FINAL TOTAL DELIVERED CODE**

<table>
<thead>
<tr>
<th>COUNTING CONVENTION</th>
<th>PRIME CONTRACTOR ONLY</th>
<th>ALL OTHER SUBCONTRACTORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUMAN GENERATED</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUTO GENERATED</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Section 3.3.4.1 AMOUNT OF DELIVERED CODE DEVELOPED NEW**

<table>
<thead>
<tr>
<th>WITH MODIFICATIONS</th>
<th>WITHOUT MODIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>WITH MODIFICATIONS</td>
<td>WITHOUT MODIFICATIONS</td>
</tr>
</tbody>
</table>

**Section 3.3.4.1 AMOUNT OF DELIVERED CODE REUSED FROM EXTERNAL SOURCE (i.e., NOT INHERITED FROM PREVIOUS INCREMENT/BUILD OR PREDECESSOR)**

<table>
<thead>
<tr>
<th>WITH MODIFICATIONS</th>
<th>WITHOUT MODIFICATIONS</th>
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</thead>
<tbody>
<tr>
<td>WITH MODIFICATIONS</td>
<td>WITHOUT MODIFICATIONS</td>
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</tbody>
</table>

**Section 3.3.4.1 AMOUNT OF DELIVERED CODE DEVELOPED NEW FROM EXTERNAL SOURCE (i.e., NO INTERNAL DEVELOPMENT EFFORT)**

<table>
<thead>
<tr>
<th>WITH MODIFICATIONS</th>
<th>WITHOUT MODIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>WITH MODIFICATIONS</td>
<td>WITHOUT MODIFICATIONS</td>
</tr>
</tbody>
</table>

**Section 3.4 ACTUAL RESOURCE AND SCHEDULE REPORTING**

<table>
<thead>
<tr>
<th>SOFTWARE ACTIVITY NAME</th>
<th>MAPS TO CSDR WBS NUMBER(S)</th>
<th>START MONTH</th>
<th>END MONTH</th>
<th>TOTAL HOURS PRIME CONTRACTOR ONLY</th>
<th>TOTAL HOURS ALL OTHER SUBCONTRACTORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Example: SOFTWARE REQUIREMENTS ANALYSIS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Example: SOFTWARE ARCHITECTURE AND DETAILED DESIGN)</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>(Example: SOFTWARE CODING AND UNIT TESTING)</td>
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<td></td>
<td></td>
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<tr>
<td>(Example: SOFTWARE INTEGRATION)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>(Example: SOFTWARE QUALIFICATION TESTING)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>(Example: SYSTEM/SOFTWARE INTEGRATION)</td>
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<td></td>
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<tr>
<td>(Example: SOFTWARE QUALITY ASSURANCE)</td>
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<td></td>
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<tr>
<td>(Example: SOFTWARE CONFIGURATION MANAGEMENT)</td>
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<td></td>
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<tr>
<td>(Example: SOFTWARE PROGRAM MANAGEMENT)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>(Example: SOFTWARE REQUIREMENTS ANALYSIS)</td>
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</tr>
<tr>
<td>(Example: SOFTWARE PROGRAM MANAGEMENT)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALL OTHER DIRECT SOFTWARE ENGINEERING DEVELOPMENT EFFORT</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Comments**

- Initial Developer Report: Due at beginning of project increment (estimates)
- Final Developer Report: Due at completion of project increment (actuals)
- Software size, effort, and schedule
- Data further explained in data dictionary
- Software Size
- Effort and schedule
- Total software development effort

**Notes**

- Initial and Final Software Resource Data Reports (SRDRs)
- Cost Assessment Data Enterprise (CSDR)
- Total hours all other subcontractors
- Total hours contractor only
- Prime contractor only
- Total software development effort
- Comments
- (Example: SYSTEM/SOFTWARE QUALIFICATION TESTING)
- (Example: SOFTWARE REQUIREMENTS ANALYSIS)
CSDR Planning
New CSDR Planning Initiative
Transition to Services:

COST COMMUNITY ASSISTANCE:

- **TRANSITION TEAM INVOLVEMENT:**
  - Put together a CSDR plan transition team for each of the services. This team will be responsible for:
    - Identifying all RFPs that meet CSDR reporting thresholds
    - Drafting all initial CSDR plans
    - Coordinating with the CWIPT to ensure all cost community needs are identified in the plan
    - Resolution of all cost data compliance issues
  - Designate one senior service team member to coordinate and manage transition efforts
    - This POC will have initial approval from the services perspective of all CSDR plans before they are forwarded to CAPE for DDCA signature
    - Assist with cost community tasks such as CSDR plans development, Plans validation, data migration and other cost collecting initiatives

OSD POCs:
PM CADE: Bess Dopkeen
DPM: Daron Fullwood [Daron.D.Fullwood.civ@mail.mil](mailto:Daron.D.Fullwood.civ@mail.mil)
Contractor Suppt: James Parnham
[James.m.parnham.ctr@mail.mil](mailto:James.m.parnham.ctr@mail.mil)
Transition to the Services

**Headquarters:**
- Step in when needed to ensure programs are CSDR compliant
- Brief senior leadership on any CSDR issues
- Coordinate:
  - Service Component
  - Program Office
  - DCARC
- ASA(ALT) Army
- ASN(RDA) Navy
- SAF-AQ Air Force

**Service Component:**
- Assist in identifying all RFP’s
- Initiate CSDR process at Program Office
- Help develop all initial plans
- Provide all CSDR plan documentation
- CSDR Compliance
- Coordinate:
  - Service Cost Center
  - CAPE
  - Contractors

**Service Cost Center:**
- Assist in identifying all RFP’s
- Help develop & obtain approval of all initial CSDR plans
- Ensure cost estimating needs are being met
- CSDR Compliance
- Coordinate:
  - Service Component
  - DCARC
  - CAPE
Cost Working Integrated Product Team (CWIPT)

<table>
<thead>
<tr>
<th>Participants</th>
<th>Role in PPM</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service Component POC</td>
<td>Program Collaborator</td>
<td>Initiate CSDR process at Program Office; identify all RFP's going out</td>
</tr>
<tr>
<td>Program Office</td>
<td>Program Collaborator</td>
<td>Help develop initial plans; make DCARC/Service Component aware of all upcoming efforts</td>
</tr>
<tr>
<td>OSD CAPE</td>
<td>Program Collaborator</td>
<td>Provide input to plan to ensure cost needs are being met; provide final approval of plans</td>
</tr>
<tr>
<td>Service Cost Center POC</td>
<td>Program Collaborator</td>
<td>Help develop initial plan; provide input to plan to ensure cost needs are being met; provide initial approval</td>
</tr>
<tr>
<td>DCARC</td>
<td>DCARC Reviewer</td>
<td>Manage the entire CSDR planning process; ensure all rules and regulations are being followed</td>
</tr>
<tr>
<td>Reporting Contractors</td>
<td>N/A</td>
<td>If sole source, provide input and help government understand processes and procedures</td>
</tr>
<tr>
<td>PARCA</td>
<td>Program Collaborator</td>
<td>Provide input to ensure cost reporting structure and WBS are consistent where needed</td>
</tr>
</tbody>
</table>

CWIPT is responsible to the Program Manager for ensuring CSDR plans provide accurate, timely data in order to support cost estimating needs. The Program Manager is ultimately responsible for the formation of the CWIPT.
Top Level CSDR Process

180+ Days Before RFP
- CWIPT Formation
- RFP Identified
- Initial Plan Drafted
- DCARC/CAPE Review
- CWIPT Approves
- Service Cost Center Reviews
- DCARC Director Reviews
- DDCA Approves
- Dissemination to PO

90 Days Before RFP
- CSDR Planning

45-60 Days Before RFP
- CSDR Contracting
- Dissemination to Contractors
- RFP Release
- Contract Award
- Post Award Meeting
- Validation of Cost Reports

RFP Release
- Reporting Contractor Submits Reports

NEW - Responsibility resides with SYSCOM and PO
NEW - Plans MUST be reviewed by Service Cost technical directors
CRITICAL to the SUCCESS OF CSDRs

- All Stakeholders should assist in identifying:
  - Contracts > $50M
    - Competitive Bid? Sole source?
    - When will the contract be awarded?
- Review all sources of contract information
- Confirm Release date and contract award date

- After RFP identified:
  - Set up initial CSDR planning meeting with key customers
    - (NCCA, PMO, CAPE Analyst, EV Service Center, Syscom & DCARC)
  - Ensure CSDR language and plan are included in the RFP

Result: Service Component POC and PMO/SPO should always give DCARC heads up in advance
Initial Plan Drafted

- Work with Program Office to identify effort
- Review CDRLs and SOW language
- Coordinate with CWIPT on initial draft plan
- Draft initial plan that is:
  - Compliant with MIL-STD-881C
  - Compliant with cPet (CSDR Planning and Execution Tool)
  - Captures entire contractual effort
  - Satisfies CWIPT cost needs
- Request following documents from the Program Office:
  - Program Schedule
  - CDRLs
  - SOW Language
  - Resource Distribution Table (RDT)

Result: Service Component POC and PMO/SPO are responsible to work with DCARC and the Service Cost Center on the initial plan
CWIPT Approves Plan

- CWIPT is responsible for providing the thought leadership from a cost estimating perspective.
- Going forward, the SYSCOM is responsible for coordinating the CWIPT and ensuring everyone agrees on the plan; if there is no SYSCOM rep, then the responsibility falls to the Service Cost Center.
- All members of the CWIPT must vote in the Program Planning Module (PPM) in order for the plan to go up for approval.
- Plans will not be approved without agreement from the entire CWIPT.

Coordination takes approximately 10-20 hours per plan.

CWIPT is responsible to the Program Manager for ensuring CSDR plans provide accurate, timely data in order to support cost estimating needs. The Program Manager is ultimately responsible for the formation of the CWIPT.
The following questions must be considered at this meeting:

- How are you going to use this data?
- Does this plan get you the data that you need?
- Does this plan get you the data when you need it?
- How many data points will you have for the next Milestone decision?
- Does this plan capture the entire contractual effort?
- Are all of the efforts on the contract (i.e. new build vs. buying kits vs. upgrades) discretely broken out in either the WBS or the reporting events?
- Will there be any learning on any aspects of the contract? Are 1921-2’s applicable?
- Is there any software development effort? Are the SRDRs broken out by CSCI?
- How is the rate tooling broken out? Is it worthwhile getting?
- Are the modification/Installation/Integration costs segregated?
- Are there any anti-tamper or cyber security costs for this program?

LESIONS LEARNED:

Review plan & understand plan package prior to meeting
Plan accordingly for the data you need ahead of time
Gain CWIPT agreement prior to meeting
Include PMO in invite
Include CAPE analyst

Result: Entire CWIPT team should attend meeting and be prepared to answer all questions
Prepare for CAPE CSDR Review Meeting

Plan Package Presentation:
- Provide context
- Quality must be precise
- Solid story line
- CAPE Test

- How am I going to use this data?
- How does this help me with my estimate?
- When do I need the data and do the reporting events on the plan match my need?
- Is there any software development effort? If so, how much? Do I need SRDRs?
- Will there be any learning on this contract?

Result: Entire CWIPT team should attend meeting and be prepared to answer all questions
# Top Level CSDR Process

<table>
<thead>
<tr>
<th>180+ Days Before RFP</th>
<th>90 Days Before RFP</th>
<th>45-60 Days Before RFP</th>
<th>RFP Release</th>
<th>Contract Award</th>
<th>Reporting Contractor Submits Reports</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWIPT Formation</td>
<td>CSDR Planning</td>
<td></td>
<td>CSDR Contracting</td>
<td></td>
<td>CSDR Reporting &amp; Validation</td>
</tr>
<tr>
<td>RFP Identified</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial Plan Drafted</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DCARC/CAPE Review</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CWIPT Approves</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service Cost Center Reviews</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>DCARC Director Reviews</td>
<td></td>
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</tr>
<tr>
<td>DDCA Approves</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Dissemination to PO</td>
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</tr>
</tbody>
</table>

**Color Key**
- Service Component POC
- Program Office
- OSD CAPE
- Service Cost Center POC
- DCARC
- Contractors
- PARCA
- CWIPT

NEW - Responsibility resides with SYSCOM and PO
NEW - Plans MUST be reviewed by Service Cost technical directors
CSDR Plan Read Ahead

**Plan Package Information**

**Plan Package Name:** NAME

**Plan Package contents:**
- X (NEW/REVISED) Program Plan(s)
- X (NEW/REVISED) Contract Plan(s)
- X (NEW/REVISED) Subcontract Plan(s)

**RFP Date:** DATE

**Contract Award Date:** DATE

**Plan Version Type:** NEW/REVISED/CANCELLED

---

**Plan Package Synopsis:**
Give a brief synopsis of the CSDR plan effort, similar to the Dr. Burke transmittal memo. Please include the following information: are these new plans or revised plans? What is this effort for? Where is the program in its lifecycle?

PLEASE BE BRIEF.

**Contract Description:**
PLEASE BE BRIEF. Summarize the objective in the Statement of Work.

---

**Reporting Frequency**

<table>
<thead>
<tr>
<th>Plan Number</th>
<th>Contrac t Value</th>
<th>CSDR Reports</th>
<th>Frequency</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-XX-XX-XX</td>
<td>SRDR</td>
<td>1921, -1, -2, -3, -5</td>
<td>Annually</td>
<td>1 Report per DO</td>
</tr>
<tr>
<td>Company Name</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SRDR</td>
<td>Annually</td>
<td></td>
<td>For every release</td>
<td></td>
</tr>
<tr>
<td>N-XX-XX-XX</td>
<td>Quarterly</td>
<td>1921, -1, -2, -3, -5</td>
<td>Quarterly</td>
<td>For each completed lot</td>
</tr>
<tr>
<td>Company Name</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>SRDR</td>
<td>Annually</td>
<td></td>
<td>For every release</td>
<td></td>
</tr>
</tbody>
</table>

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**Other Pertinent Program Information**

1) **Plans Previously Reviewed with ASCADD?**
   If YES, provide the action items that came out of that meeting and how they were addressed. BE BRIEF.

2) **Are there any special circumstances that need to be addressed with this plan package?** ANSWER. BE BRIEF.

3) **How are you going to use this data? How will this data help your estimate?**
   ANSWER. BE BRIEF.

4) **Where is the Program in its life cycle and where does this effort fit?**
   ANSWER. BE BRIEF.

5) **When is the next decision point for this program?**
   ANSWER. BE BRIEF.

6) **How many CSDR reports/data points are available for the decision review?**
   ANSWER. BE BRIEF.

7) **Please List all known contracting efforts >$50M on the horizon. Anticipated RFP dates and Award dates.**
   ANSWER. BE BRIEF.

8) **What is the Program’s DAES Rating? If there any major issues with the programs compliance, please discuss here.**
   ANSWER. BE BRIEF.
FAR Part 12

- FAR Part 12 states that Contracting Officer shall not require certified cost and pricing data to establish price reasonableness for a commercial item during negotiations, as long as two or more vendors are bidding.
- Programs try to use FAR Part 12 as rationale for not requiring CSDR cost reporting.
- Commercial, Firm Fixed Price Contracts do not automatically meet requirements for CSDR waiver.
  - Although FAR Part 12 precludes certified cost and pricing data in specific instances during prime, subcontract or contract modification proposal, it says nothing about excusing reporting for the life of the program.

Bottom Line: FAR Part 12 Does Not Excuse CSDR Reporting! A Waiver is Still Required.
## CSDR Compliance Rating Criteria

Rating criteria emphasizes on time data submission

<table>
<thead>
<tr>
<th>RATING</th>
<th>CRITERIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>No open CSDR compliance issues.</td>
</tr>
<tr>
<td>Green</td>
<td>All outstanding CSDR deliverables* are less than or equal to three</td>
</tr>
<tr>
<td>Advisory</td>
<td>months overdue.</td>
</tr>
<tr>
<td>Yellow</td>
<td>Any outstanding CSDR deliverable greater than three months, but less</td>
</tr>
<tr>
<td></td>
<td>than or equal to six months overdue.</td>
</tr>
<tr>
<td>Red</td>
<td>Any outstanding CSDR deliverable greater than six months overdue.</td>
</tr>
<tr>
<td>Red-Critical</td>
<td>1. Program Office released RFP without approved CSDR plan.</td>
</tr>
<tr>
<td></td>
<td>2. Program Office awarded prime contract without approved CSDR plan or</td>
</tr>
<tr>
<td></td>
<td>failed to mod contract to place an approved CSDR plan on contract.</td>
</tr>
<tr>
<td></td>
<td>3. Program Office or Prime contractor failed to enforce flow down of</td>
</tr>
<tr>
<td></td>
<td>CSDR requirements to direct reporting subcontractor or the prime</td>
</tr>
<tr>
<td></td>
<td>contractor failed to mod subcontract to place an approved CSDR plan on</td>
</tr>
<tr>
<td></td>
<td>contract.</td>
</tr>
<tr>
<td>Not Rated</td>
<td>The program has no CSDR activity (e.g., approved waiver, Pre-MDAP</td>
</tr>
<tr>
<td></td>
<td>cancelled, has no CSDR activity, or not currently tracked)</td>
</tr>
</tbody>
</table>

*OF NOTE:*

- CSDRs Assessed Qtrly w/DAES
- Reviewed as a part of DABs
- No ICE issued w/o approved CSDR plan on contract

*CSDR deliverables include Contract Data Reporting Structure Dictionaries, CCDRs, SRDRs, and CDRLs*
“CADEPardy”
CSDR Validation
One of the most dangerous forms of human error is forgetting what one is trying to achieve.
Importance of Validations

Ensures:

✓ Data completeness and accuracy
✓ Comprehensive explanations of anomalies prior to acceptance
✓ Collective review by the cost community
✓ Ability to create a consistent and robust dataset
# Top Level CSDR Validation

## Pre-Validation
- Contractor Uses cPet
- Contractor Submits XML to CSDR S-R

## CSDR Validation
- DCARC Initiates Validation
- PO/CAPE/SCC Validate Submission
- DCARC Emails Validation Report
- Contractor Corrects Report
- DCARC Re-Validates Submission
- DCARC Accepts or Rejects Report

## CSDR Report Finalization
- FYSA: THE CSDR S-R IS BEING UPDATED TO BLOCK SUBMISSIONS WITH MAJOR ERRORS. USE CPET!!
- DCARC Publishes to CADE
- OR
- DCARC Rejects Report and Process Starts Over

## Color Key
- Program Office
- OSD CAPE
- Service Cost Center POC
- DCARC
- Contractors
When Creating a CWBS Dictionary:

- Does my WBS match the WBS in the Approved CSDR Plan?
- Do I define the purpose of the end item?
- Are my cost accounting assumptions described?
- Are all elements within scope defined and elements out of scope marked N/A?
- Did I provide my contact info?

Save Some Time! Use cPet to Build Your Index and Dictionary Template!

FOLLOW THE DID, DI-MGMT-81344D
CCDR Validation Process: cPet
Automated Checks

**Validation Error Results**

CCDRs are XML Compatible

CCDRs are consistent with the CSDR Contract Plan

Numbers sum correctly

Checks for numerical anomalies

1921, 1921-1, and 1921-2 reports are consistent

**All major errors must be corrected prior to submittal, cPet will identify those errors for you!!!!**
Manual Checks:

- All metadata is reported accurately
- Units are reported accurately
- Costs are categorized correctly
- Costs increase from previous report
- Appropriate and accurate explanations

CCDR Validation Process

Manual Checks:

- All metadata is reported accurately
- Units are reported accurately
- Costs are categorized correctly
- Costs increase from previous report
- Appropriate and accurate explanations
SRDR Validations

All metadata is reported accurately
Accurate explanation of software characteristics
Discrete software size and effort reported
Discrete reporting by release and CSCI
Data dictionary provides necessary insight

FYSA: These are the current forms. Attend the Track 2 Technical Training for updates on New SRDR
SURF V&V Structure

- Performs pre and post SRDR acceptance Validation and Verification (V&V) with DCARC
- Uses a detailed first-ever published *joint* V&V guide
  - Training guide used to determine SRDR quality tags for database
- SRDRs distributed among SURF members to balance workload
Collaborative Validation

**DCARC:**
- Review reports for compliance with the DIDs and Policy (i.e. cost and units are accurately reported)
- Develop the validation error report
- Validates reports using cPet

**Program Office:**
- Data reflects entire contract
- Accurate and complete explanations
- Correct data reported for all elements in scope
- Product characteristics and functional breakdown validation
- Correct variant reporting
- Nonrecurring and recurring costs reported accurately

**Service Cost Center/CAPE:**
- Provides enterprise wide perspective to ensure consistency across programs
- Ensures data reported provides insight needed to support estimating decisions
CSDR Validation Summary

• CSDRs are validated consistently prior to acceptance in order to populate a robust dataset of historical cost data

• Government Analysts involvement in validation of reports is crucial to receiving quality data

Quality Data Leads to Quality Analysis!
Validation Demo
CADE Demo
Round Table Discussion
Cost Estimating using CSDR Data

• You are a government cost estimator preparing an independent LCCE for a MSCC decision on a new attack helicopter MDAP program. Answer the following questions:
  – What data would you use to prepare the estimate?
  – How could you apply historical CSDR data to support your estimate?
  – How could CSDRs be more useful to you?
• An MDAP program that you are responsible for is entering MS B a year from now. Please answer the following questions:
  – Which offices make up the CWIPT?
  – What are the roles and responsibilities of each member?
  – What can you do to ensure an approved plan is included in the RFP?
CSDR Validations

• A final report for an MDAP program that you are responsible for was just submitted to the DCARC. Please answer the following questions:
  – What role do you play in the validation process?
  – What can you do to ensure the data reported is accurate and complete?
  – What tools can you use to help support your validation process?