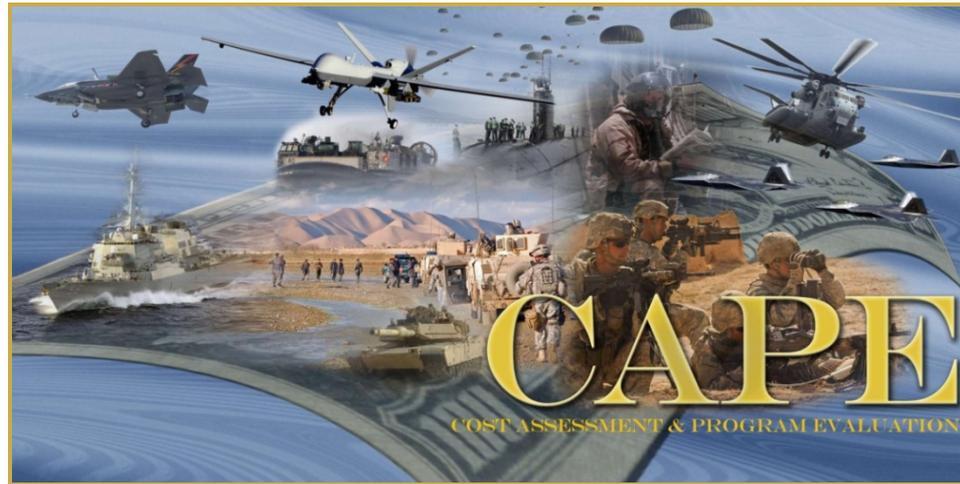


Cost and Software Data Reporting Training

Los Angeles, CA



October 16, 2012



Agenda

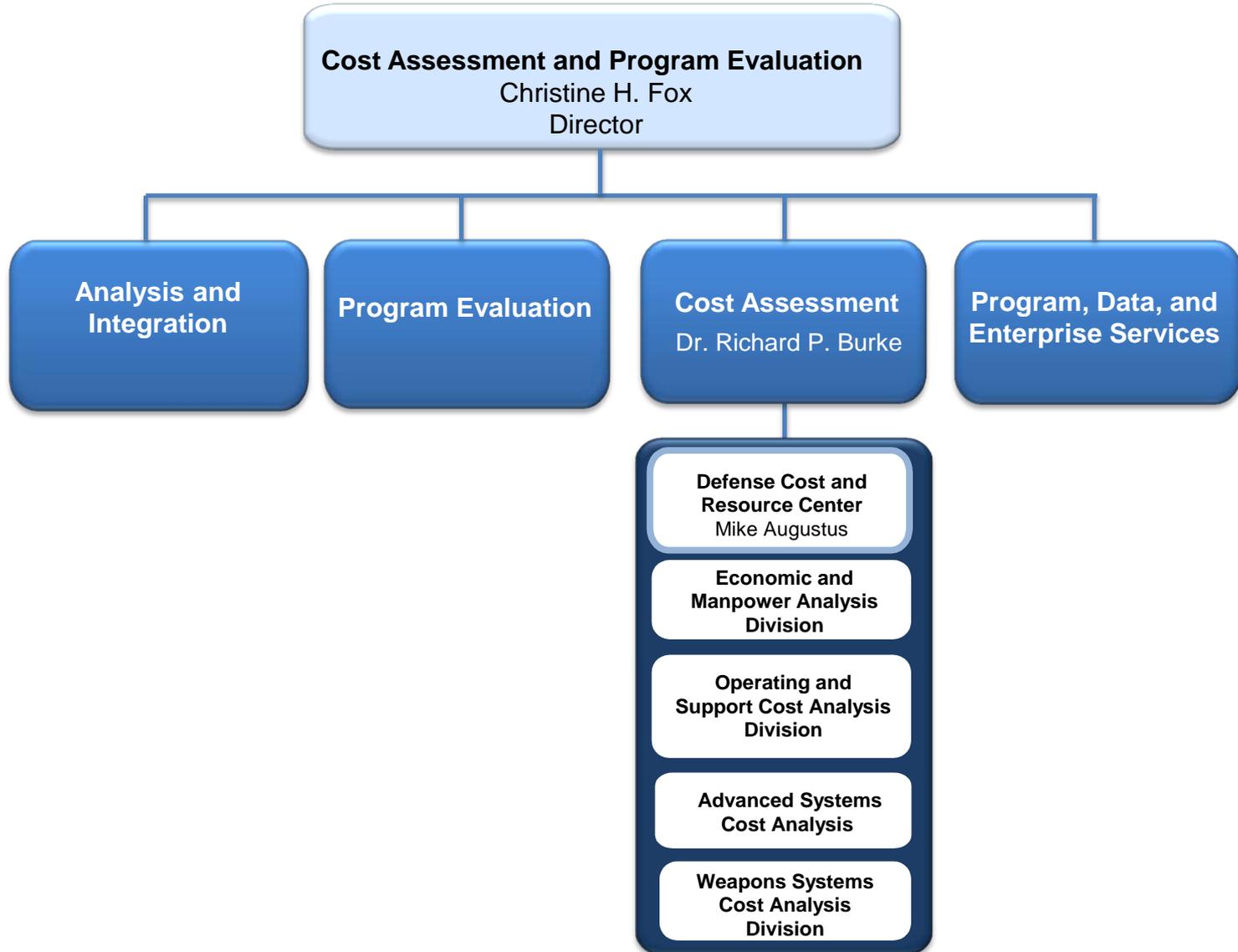
OSD CAPE

8:00 – 8:15	Introduction – Mr. Mike Augustus, DCARC Director
8:15 – 8:30	<u>CSDR Background</u>
8:30 – 8:45	<u>Roles & Responsibilities</u>
8:45 – 9:45	<u>Contractor Reporting Structures</u>
9:45 – 10:00	BREAK
10:00 – 10:30	<u>Resource Distribution Table (RDT)/ Demo</u>
10:30 – 11:30	<u>CSDR Plans Development/ Demo</u>
11:30 – 12:00	<u>Contracting for CSDRs</u>
12:00 – 1:00	LUNCH
1:00 – 2:00	<u>Special Topic – PARCA’s EVM Policies & IPMR DID</u>
2:00 – 2:30	<u>Special Topic - Sustainment Reporting</u>
2:30 – 3:00	BREAK
3:00 – 4:00	<u>CSDR Reporting & Validation/ Demo</u>
4:00 – 4:30	<u>CSDR Systems and Tools</u>
4:30 – 4:45	Summary and Wrap Up



Organization

OSD CAPE





DCARC Mission

OSD CAPE

- Collect Major Defense Acquisition Program (MDAP) and Major Automated Information System (MAIS) cost and software resource data and make those data available to authorized Government analysts
- Serve as point of contact for industry, government analysts, and Program Offices to facilitate Cost and Software Data Reporting



Cost and Software Data Reports

OSD CAPE



CSDRs are the primary means by which the DoD collects data on the costs that contractors incur on MDAP and MAIS programs



CSDR Purpose

OSD CAPE

- Collect actual costs and software data and related business data
- The resulting repository serves as the primary contract cost and software data (CSD) repository for most DoD resource analysis efforts

This data is used to develop to credible estimates which enable realistic budgets, executable contracts, and program stability



CSDR Applicability

OSD CAPE

Program Level

- The CSDR requirement applies to Acquisition Category I Programs *only*

Contract Level

- The CSDR requirement applies to all prime and subcontracts over \$50M
- The CSDR requirement applies to all high-risk, high-technical-interest contracts between \$20M and \$50M
- *Contract value includes all anticipated options*

CSDR Reports

- CCDRs required on contracts over \$50M
- SRDRs required on contracts with greater than \$20M of software development

CSDRs are required on all prime and subcontracts of an ACAT I program, when the contract value is greater than \$50M, or \$20M if high technical/high risk or software development



Relevant Policy

OSD CAPE

- CSDR Manual (DoDM 5000.04-M-1) dated Nov. 2011
- CSDR Data Item Descriptions (DIDs) and reporting forms dated May 2011
- MIL-STD-881C dated Oct. 2011
- Defense Federal Acquisition Regulations System (DFARS) CSDR Clauses 252.234-7003, 252.234-7004, and 242.503-2(b)

All contracts awarded after October 3, 2011 must report against the MIL-STD-881C and contractors must report against the 2011 CSDR DIDs



Relevant Policy Updates, DFARS

OSD CAPE

- Enhanced emphasis and training on the Defense Federal Acquisition Regulations System (DFARS)
 - Clause 252.234-7003 requires contractors to base CSDR reporting on actual cost collection against the CCDR DID descriptions and submit CCDRs with the pricing proposal
 - Clause 252.234-7004 requires contractors to submit CCDRs and SRDRs in a timely manner in accordance with the DIDs and to require CSDR reporting from all subcontractors at any tier with a subcontract that exceeds \$50 million
 - Clause 242.503-2(b) requires that the CSDR process be discussed in post-award conferences

<http://www.acq.osd.mil/dpap/dars/dfars/html/current/252234.htm>

(clauses 252.234-7003 and 252.234-7004)

http://www.acq.osd.mil/dpap/dars/dfars/html/current/242_5.htm

(clause 242.503-2(b))



The CSDR Process

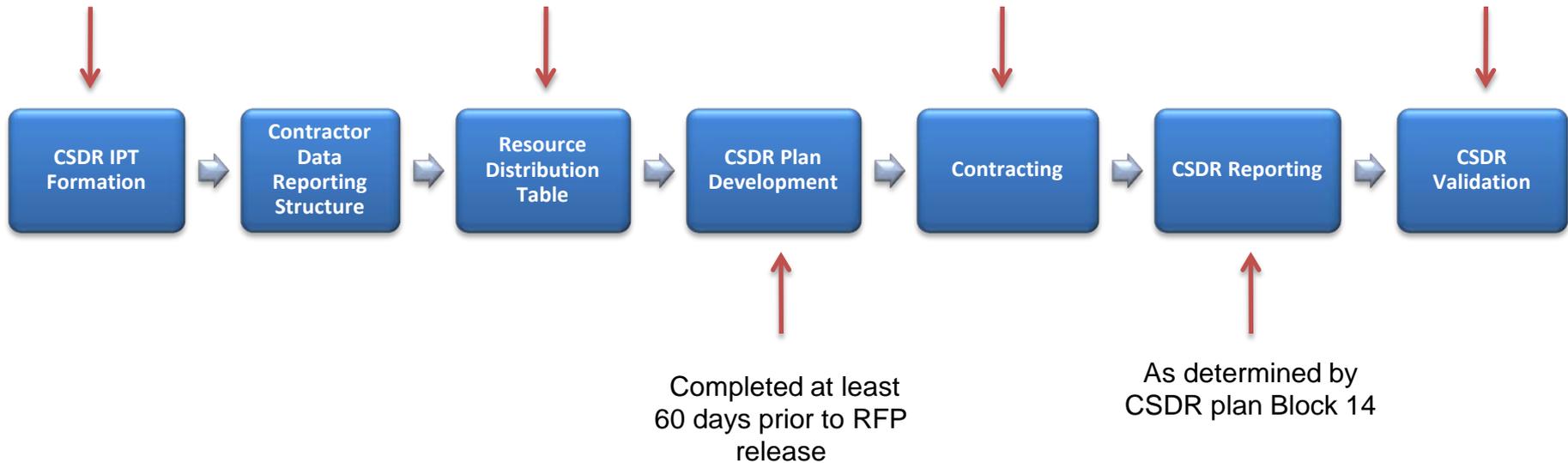
OSD CAPE

8 – 12 months before
Overarching
Integrated Product
Team (OIPT) Review

Completed at least 60
days prior to RFP
release

Begins 60 days prior
to RFP release

Takes place within 30
days of report
submission

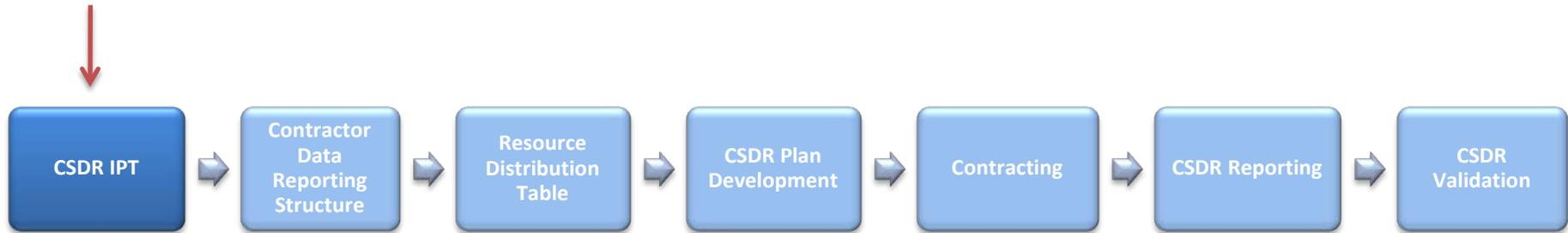




CSDR IPT Formation

OSD CAPE

8 – 12 months before
Overarching
Integrated Product
Team (OIPT) Review

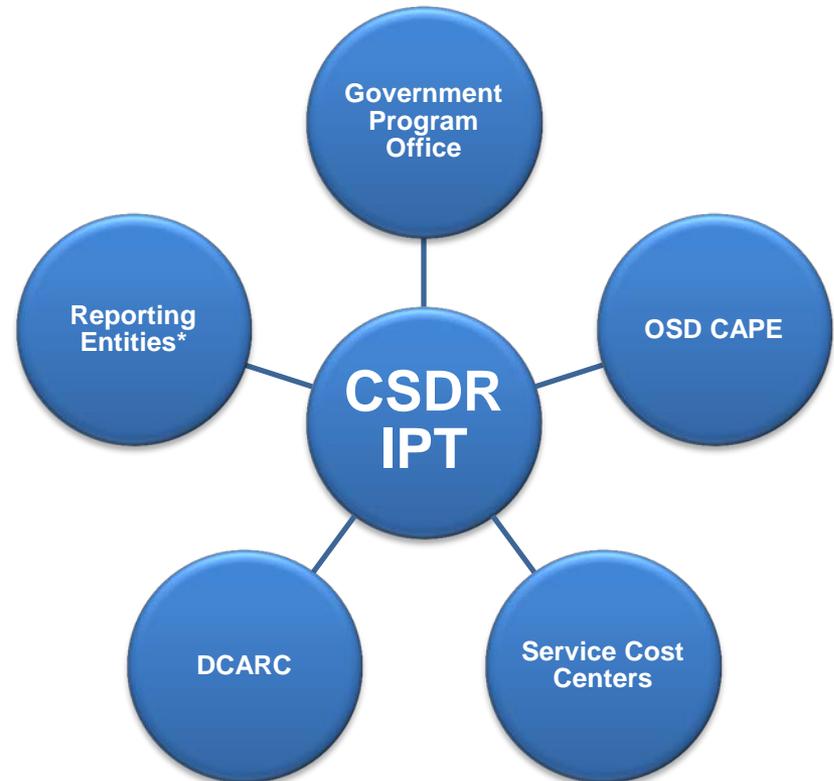




CSDR Integrated Product Team (IPT)

OSD CAPE

- Formed 8 – 12 months before the Overarching Integrated Product Team (OIPT) Milestone Review
- Supports Program throughout entire CSDR life cycle
- Identifies cost analysis requirements for programs and contracts



* If the contract award is competitive, Reporting Entities are not part of the CSDR IPT.

Document Responsibility Matrix

OSD CAPE

Document Type	Government					Industry	
	OSD-CAPE	DCARC	Gov't Program Office	Gov't Contracting Officer	Gov't Field Organization	Prime Contractor	Direct Reporting Subcontractors
Program Plan	Reviewer/ Approver	Reviewer	Originator				
Program RDT	Reviewer	Reviewer	Originator				
Contract Plan	Reviewer/ Approver	Reviewer	Originator	Distributor	Reviewer	Reviewer	
Contract RDT	Reviewer	Reviewer	Originator		Reviewer	Originator	
Contract Data Requirements List (CDRLs)		Reviewer	Originator				
Statement of Work		Reviewer	Originator				
Acquisition Schedule		Reviewer	Originator				
Subcontract Plan	Reviewer/ Approver	Reviewer	Originator	Distributor		Originator	Reviewer
Contractor Data Reporting Structure Dictionary		Reviewer/ Approver	Reviewer		Provider	Provider	Provider
Contractor Cost Data Reports		Reviewer/ Approver	Reviewer		Provider	Provider	Provider
Software Resource Data Reports		Reviewer/ Approver	Reviewer		Provider	Provider	Provider



Contractor Data Reporting Structure

OSD CAPE





Contractor Data Reporting Structure

OSD CAPE

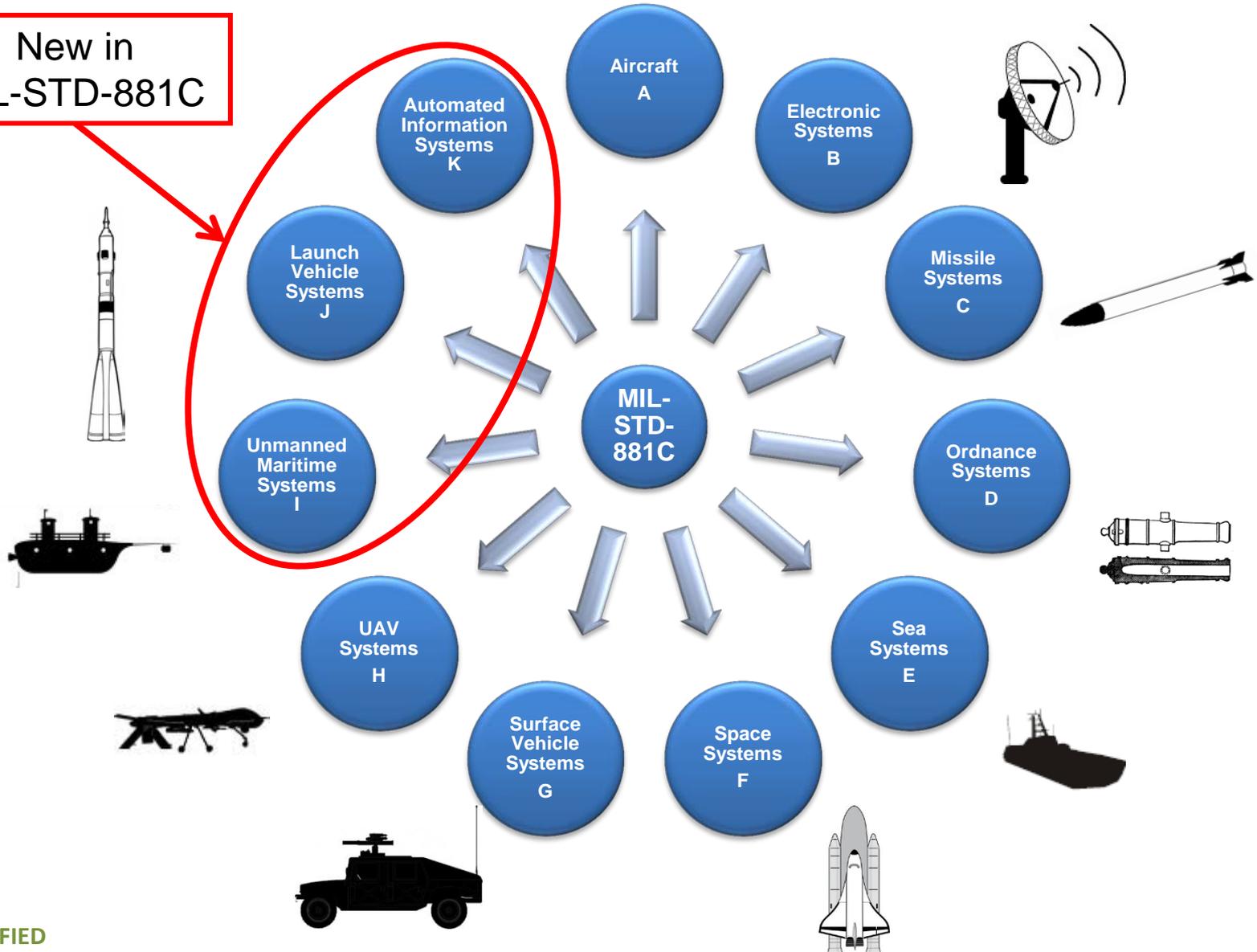
- Derived from MIL-STD-881C
- Product-oriented structure composed of hardware, software, services, data, and facilities elements
- Created by CSDR IPT at least 60 days prior to RFP release



MIL-STD-881C Appendices

OSD CAPE

New in MIL-STD-881C





New in MIL-STD-881C

OSD CAPE

- Three new Appendices were added:
 - Unmanned Maritime Systems, Launch Vehicles, and Automated Information Systems
- Data Reporting Structure defined to Level 4 or 5 for some appendices
 - Data Reporting Structure is mandatory to Level 3
 - For reporting below Level 3, MIL-STD-881C Level 4 and 5 elements should be used if available
- Includes a mechanism for expanding data reporting structure for program-unique items and new technologies
 - Elements called “Other [Component] 1...n (Specify)” and similar
- Elements follow a standard numbering scheme

MIL-STD-881C compliant contractor data reporting structure required for all new contracts



MIL-STD-881C

Appendix C: Missile Systems

OSD CAPE

Product-oriented
elements
(shown to Level 3)

	Level 1	Level 2	Level 3
1.0	Missile System		
1.1	Air Vehicle		
1.1.1		Airframe	
1.1.2		Propulsion Subsystem 1...n (Specify)	
1.1.3		Power and Distribution	
1.1.4		Guidance	
1.1.5		Navigation	
1.1.6		Controls	
1.1.7		Communications	
1.1.8		Payload	
1.1.9		Reentry System	
1.1.10		Post Boost System	
1.1.11		Ordnance Initiation Set	
1.1.12		On Board Test Equipment	
1.1.13		On Board Training Equipment	
1.1.14		Auxiliary Equipment	
1.1.15		Air Vehicle Software Release 1...n	
1.1.16		Air Vehicle Integration, Assembly, Test and Checkout	
1.2	Encasement Device		
1.2.1		Encasement Device Integration, Assembly, Test and Checkout	
1.2.2		Encasement Device Structure	
1.2.3		Encasement Device Software Release 1...n	
1.2.4		Other Encasement Device Subsystems 1...n (Specify)	
1.3	Command and Launch		
1.3.1		Command and Launch Integration, Assembly, Test and Checkout	
1.3.2		Surveillance, Identification and Tracking Sensors	
1.3.3		Launch and Guidance Control	
1.3.4		Communications	
1.3.5		Launcher Equipment	
1.3.6		Auxiliary Equipment	
1.3.7		Booster Adapter	
1.3.8		Command and Launch Software Release 1...n	
1.3.9		Other Command and Launch 1...n (Specify)	
1.4	Missile System Software Release 1...n		
1.5	Missile System Integration, Assembly, Test and Checkout		

MIL-STD-881C

Appendix L: Common Elements

OSD CAPE

Elements of cost consistent across all DoD acquisition programs must be reported to level 2 and to level 3, if available

	Level 1	Level 2	Level 3
1.6		System Engineering	
1.7		Program Management	
1.8		System Test and Evaluation	
1.8.1			Development Test and Evaluation
1.8.2			Operational Test and Evaluation
1.8.3			Mock-ups / System Integration Labs (SILs)
1.8.4			Test and Evaluation Support
1.8.5			Test Facilities
1.9		Training	
1.9.1			Equipment
1.9.2			Services
1.9.3			Facilities
1.10		Data	
1.10.1			Technical Publications
1.10.2			Engineering Data
1.10.3			Management Data
1.10.4			Support Data
1.10.5			Data Depository
1.11		Peculiar Support Equipment	
1.11.1			Test and Measurement Equipment
1.11.2			Support and Handling Equipment
1.12		Common Support Equipment	
1.12.1			Test and Measurement Equipment
1.12.2			Support and Handling Equipment
1.13		Operational/Site Activation	
1.13.1			System Assembly, Installation and Checkout on Site
1.13.2			Contractor Technical Support
1.13.3			Site Construction
1.13.4			Site/Ship/Vehicle Conversion
1.13.5			Sustainment/Interim Contractor Support
1.14		Industrial Facilities	
1.14.1			Construction/Conversion/Expansion
1.14.2			Equipment Acquisition or Modernization
1.14.3			Maintenance (Industrial Facilities)
1.15		Initial Spares and Repair Parts	



Program Data Reporting Structure

OSD CAPE

- A **product-oriented** MIL-STD-881C compliant structure
- Encompasses the entire program in a particular phase
- Forms the basis of all CSDR plans and Program Resource Distribution Table
- Ties to the Cost Analysis Requirements Description (CARD)



Creating a Program Data Reporting Structure

OSD CAPE

- **Step 1:**
 - Determine which MIL-STD-881C Appendix applies to the Program
- **Step 2:**
 - Use structure from MIL-STD-881C as starting point with hardware elements to Level 3
- **Step 3:**
 - Tailor for unique requirements using data reporting elements designated as “Other”
- **Step 4:**
 - Add Common Elements from Appendix L to Level 2



Aircraft System

Program Data Reporting Structure

OSD CAPE

MIL-STD-881C Appendix A

Program Plan derived from MIL-STD-881C Appendix A

Reporting Element Code	Reporting Element
1.0	Aircraft System
1.1	Air Vehicle
1.1.1	Airframe
1.1.1.1	Airframe Integration, Assembly, Test and Checkout
1.1.1.2	Fuselage
1.1.1.3	Wing
1.1.1.4	Empennage
1.1.1.5	Nacelle
1.1.1.6	Other Airframe Components 1...n (Specify)
1.1.2	Propulsion
1.1.3	Vehicle Subsystems
1.1.3.1	Vehicle Subsystem Integration, Assembly, Test, and Checkout
...	...
1.1.3.13	Other Subsystems 1...n (Specify)
1.1.4	Avionics
1.1.4.1	Avionics Integration, Assembly, Test, and Checkout
...	...
1.1.4.13	Other Avionics Subsystems 1...n (Specify)
1.1.5	Armament/Weapons Delivery
1.1.6	Auxiliary Equipment
1.1.7	Furnishings and Equipment
1.1.8	Air Vehicle Software Release 1...n
1.1.9	Air Vehicle Integration, Assembly, Test, and Checkout
1.2	Systems Engineering
1.3	Program Management
1.4	System Test and Evaluation
1.4.1	Development Test and Evaluation
...	...
1.4.5	Test Facilities
1.5	Training
1.5.1	Equipment
...	...
1.5.3	Facilities
1.6	Data
1.6.1	Technical Publications
...	...
1.6.5	Data Depository
1.7	Peculiar Support Equipment
1.7.1	Test and Measurement Equipment
1.7.2	Support and Handling Equipment

Product-Oriented Elements

Common Elements

Reporting Element Code	Reporting Element
1.0	Aircraft System
1.1	Air Vehicle
1.1.1	Airframe
1.1.2	Propulsion
1.1.3	Vehicle Subsystems
1.1.4	Avionics
1.1.5	Armament/Weapons Delivery
1.1.6	Auxiliary Equipment
1.1.7	Furnishings and Equipment
1.1.8	Air Vehicle Software Release
1.1.9	Air Vehicle Integration, Assembly, Test and Checkout
1.2	Systems Engineering
1.3	Program Management
1.4	System Test and Evaluation
1.5	Training
1.6	Data
1.7	Peculiar Support Equipment
1.8	Common Support Equipment
1.9	Operational/Site Activation
1.10	Industrial Facilities
1.11	Initial Spares and Repair Parts



Prime Contractor Data Reporting Structure

OSD CAPE

- Derived from the program data reporting structure
- Specific to a single contract and single contractor
- A **product-oriented** MIL-STD-881C compliant structure
- Serves as the starting point for developing direct reporting subcontractor data reporting structure(s)



Creating a Prime Contractor Data Reporting Structure

OSD CAPE

- **Step 1:**
 - Determine which elements from program data reporting structure are applicable to the contract
- **Step 2:**
 - Determine which MIL-STD-881C appendix applies to product under contract
- **Step 3:**
 - Expand the product-oriented elements beyond Level 3 to accommodate:
 - High-value, high-risk, and high-technical-interest items
 - Subcontracted items
 - Items with no previous historical data
 - Level 4 elements from the MIL-STD-881C Appendix should be used if available
- **Step 4:**
 - Expand common elements beyond Level 2, if applicable



Example Prime Contractor Data Reporting Structure

OSD CAPE

Element 1.0 tailored to correspond to MDAP name

Elements that are considered high-value, high-risk, and high-technical-interest are broken out beyond Level 3

Reporting Element Code	Reporting Element
1.0	F-51 Fighter
1.1	Air Vehicle
1.1.1	Airframe
1.1.1.1	Airframe Integration, Assembly, Test, and Checkout
1.1.1.2	Fuselage
1.1.1.3	Wing
1.1.1.4	Empennage
1.1.1.5	Nacelle
1.1.2	Propulsion
1.1.3	Vehicle Subsystems
1.1.3.1	Vehicle Subsystem Integration, Assembly, Test, and Checkout
1.1.3.2	Flight Control Subsystem
1.1.3.3	Auxiliary Power Subsystem
...	...
1.1.3.9	Landing Gear
1.1.3.10	Rotor Group
1.1.3.11	Drive Group
1.1.4	Avionics
1.1.4.1	Avionics Integration, Assembly, Test, and Checkout
...	...
1.1.4.12	Avionics Software Release
1.1.5	Armament/Weapons Delivery
1.1.6	Auxiliary Equipment
1.1.7	Furnishings and Equipment
1.1.8	Air Vehicle Software Release
1.1.9	Air Vehicle Integration, Assembly, Test, and Checkout
1.2	System Engineering



Example Prime Contractor Data Reporting Structure (cont.)

OSD CAPE

Common elements
are expanded
beyond Level 2
(if applicable)

Summary
Elements

1.2	System Engineering
1.3	Program Management
1.4	System Test and Evaluation
1.4.1	Development Test and Evaluation
1.4.2	Operational Test and Evaluation
1.4.3	Mock-ups / System Integration Labs (SILs)
1.4.4	Test and Evaluation Support
1.4.5	Test Facilities
1.5	Training
1.6	Data
1.7	Peculiar Support Equipment
1.7.1	Test and Measurement Equipment
1.7.2	Support and Handling Equipment
1.8	Common Support Equipment
1.8.1	Test and Measurement Equipment
1.8.2	Support and Handling Equipment
1.9	Operational/Site Activation
1.10	Industrial Facilities
1.11	Initial Spares and Repair Parts
	Subtotal Cost
	Reporting Contractor G&A
	Reporting Contractor Undistributed Budget
	Reporting Contractor Management Reserve
	Reporting Contractor FCCM
	Total Cost
	Reporting Contractor Profit/Loss or Fee
	Total Price



Program/Contract Relationship

OSD CAPE

Program Data Reporting Structure

Reporting Element Code	Reporting Element
1.0	Aircraft System - F51 Fighter
1.1	Air Vehicle
1.1.1	Airframe
1.1.2	Propulsion
1.1.3	Vehicle Subsystems
1.1.4	Avionics
1.1.5	Armament/Weapons Delivery
1.1.6	Auxiliary Equipment
1.1.7	Furnishings and Equipment
1.1.8	Air Vehicle Software Release
1.1.9	Air Vehicle Integration, Assembly, Test and Checkout
1.2	Systems Engineering
1.3	Program Management
1.4	System Test and Evaluation
1.5	Training
1.6	Data
1.7	Peculiar Support Equipment
1.8	Common Support Equipment
1.9	Operational/Site Activation
1.10	Industrial Facilities
1.11	Initial Spares and Repair Parts

Contractor Data Reporting Structure

Reporting Element Code	Reporting Element
1.0	F-51 Fighter
1.1	Air Vehicle
1.1.1	Airframe
1.1.1.1	Airframe Integration, Assembly, Test and Checkout
1.1.1.2	Fuselage
1.1.1.3	Wing
1.1.1.4	Empennage
1.1.1.5	Nacelle
1.1.2	Propulsion
1.1.3	Vehicle Subsystems
1.1.4	Avionics
1.1.4.1	Avionics Integration, Assembly, Test and Checkout
1.1.4.2	Communication/Identification
1.1.4.3	Navigation/Guidance
1.1.4.3.1	Navigation
1.1.4.3.1.1	Navigation Hardware
1.1.4.3.1.2	Navigation Software
1.1.4.3.2	Guidance
1.1.4.4	Mission Computer/Processing
1.1.4.5	Fire Control
...	...
1.1.5	Armament/Weapons Delivery
1.1.6	Auxiliary Equipment
1.1.7	Furnishings and Equipment
1.1.8	Air Vehicle Software Release
1.1.9	Air Vehicle Integration, Assembly, Test and Checkout
1.2	Systems Engineering
...	...
1.11	Initial Spares and Repair Parts

Level 3 Program elements expanded to Levels 4 and 5 of Contractor Data Reporting Structure



Subcontractor Data Reporting Structure

OSD CAPE

- Specific to a single subcontract and single subcontractor
- Relates to specific products within the Prime Contractor Data Reporting Structure
 - IWOs which meet dollar threshold are considered subcontractors for CSDR purposes
- Total Price of Subcontract should appear as a Cost in the specific element of the Prime Contractor Data Reporting Structure
- A **product-oriented** MIL-STD-881C compliant structure, which may be different than the Appendix used for the Prime Contractor Data Reporting Structure



Creating a Subcontractor Data Reporting Structure

OSD CAPE

- **Step 1:**
 - Identify the elements from the prime contractor data reporting structure for which the subcontractor is responsible
- **Step 2:**
 - Determine which MIL-STD-881C Appendix fits the subcontractor statement of work (SOW):
 - a) Use Appendix B (Electronic Systems) if the subcontractor SOW relates to a single item on the prime contractor data reporting structure even if the end item is not an Electronic System
 - b) Use Appendix B if the subcontractor SOW relates to more than one element on the prime contractor data reporting structure, and if the items may be logically grouped into a single package of work
- **Step 3:**
 - Expand the product-oriented elements to Level 3 and beyond
- **Step 4:**
 - Expand common elements beyond Level 2, if applicable



Prime/Subcontract Relationship

OSD CAPE

Prime Contractor Data Reporting Structure (MIL-STD-881C Appendix A – Aircraft Systems)

REPORTING ELEMENT CODE	REPORTING ELEMENTS
1.0	Aircraft System
1.1	Air Vehicle
1.1.1	Airframe
1.1.2	Propulsion
1.1.3	Vehicle Subsystems
1.1.4	Avionics
1.1.4.1	Avionics Integration, Assembly, Test, and Checkout
1.1.4.2	Communication/Identification
1.1.4.3	Navigation/Guidance
1.1.4.4	Mission Computer/Processing
1.1.4.5	Fire Control (XYZ Radar)
1.1.4.6	Data Display and Controls
1.1.4.7	Survivability
1.1.4.8	Reconnaissance
1.1.4.9	Automatic Flight Control
...	...
1.1.4.13	Other Avionics Subsystems A
1.1.5	Armament/Weapons Delivery
1.1.6	Auxiliary Equipment
1.1.7	Furnishings and Equipment
1.1.8	Air Vehicle Software Release
1.1.9	Air Vehicle IAT&C
1.2	System Engineering
1.3	Program Management
1.4	System Test and Evaluation
1.5	Training
1.6	Data
1.7	Peculiar Support Equipment
1.8	Common Support Equipment
1.9	Operational/Site Activation
1.10	Industrial Facilities
1.11	Initial Spares and Repair Parts

Subcontractor Data Reporting Structure (MIL-STD-881C Appendix B – Electronic Systems)

REPORTING ELEMENT CODE	REPORTING ELEMENTS
1.0	Electronic System -- XYZ Radar
1.1	Radar System
1.1.1	Antenna
1.1.2	Radar Electronics
1.1.3	Power Supply
1.1.4	Power Conditioner
1.1.5	Rack/Structure
1.1.6	Radar Software Release
1.1.7	Radar Integration, Assembly, Test and Checkout
1.2	Platform Integration, Assembly, Test and Checkout
1.3	System Engineering
1.4	Program Management
1.5	System Test and Evaluation
1.6	Training
1.6.1	Equipment
1.6.2	Services
1.6.3	Facilities
1.7	Data
1.8	Peculiar Support Equipment
1.9	Common Support Equipment
1.10	Operational/Site Activation
1.11	Industrial Facilities
1.12	Initial Spares and Repair Parts

Element 1.0 from subcontractor data reporting structure directly corresponds to element 1.1.4.5 from prime contractor data reporting structure



DD Form 2794

Prime/Sub Relationship

OSD CAPE

COST AND SOFTWARE DATA REPORTING PLAN						Form Approved OMB No. 0704-0188				
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, 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.										
1. MAJOR PROGRAM a. NAME: Aircraft System		c. PRIME MISSION PRODUCT XYZ Radar		2. WBS SYSTEM TYPE Electronic System	3. SUBMISSION TYPE <input checked="" type="checkbox"/> INITIAL <input type="checkbox"/> CHANGE	4. CURRENT SUBMISSION DATE (YYYYMMDD) 20120620	5. LAST APPROVED PLAN DATE (YYYYMMDD) N/A			
b. PHASE/MILESTONE <input type="checkbox"/> Pre-A <input checked="" type="checkbox"/> B <input type="checkbox"/> C-LRIP <input type="checkbox"/> C-FRP <input type="checkbox"/> O&S										
6a. POINT OF CONTACT (POC) NAME AND ADDRESS (Include ZIP Code) Julie Andrews, 111 23rd St Ste 201, Arlington, VA 22202			6b. TELEPHONE NUMBER (Include Area Code) (571) 555-2120		6c. FAX NUMBER (Include Area Code) (571) 867-5309		6d. E-MAIL ADDRESS emailaddress@gov.mil			
7. PLAN TYPE <input type="checkbox"/> PROGRAM <input checked="" type="checkbox"/> CONTRACT (PRIME) <input checked="" type="checkbox"/> CONTRACT (SUB)		8. PREPARING ORGANIZATION NAVAIR	9a. CONTRACTOR NAME/ADDRESS i. PERFORMING ORGANIZATION TBD ii. DIVISION TBD		9b. CONTRACT NUMBER TBD		9c. APPROPRIATION <input type="checkbox"/> RDT&E <input checked="" type="checkbox"/> PROCUREMENT <input type="checkbox"/> O&M			
10. APPROVED PLAN NUMBER N-12-D-C1				13. REPORTS REQUIRED (X if applicable) DD 1921-3 (CBDR): <input checked="" type="checkbox"/>						
11. WBS ELEMENT CODE		12. WBS REPORTING ELEMENTS			13. REPORTS REQUIRED (X if applicable)					
a. PROGRAM/ CONTRACT/ SUBCONTRACT	b. CONTRACT/ SUBCONTRACT				a. CWBS DICTIONARY	b. DD 1921 (CDSR)	c. DD 1921-1 (FCHR)	d. DD 1921-2 (PCR)	e. DD 1921-4 (CSR)	f. SRDR FORMATS
1.1.4.5	1.0	Electronic System - XYZ Radar			X	X	X			
1.1.4.5	1.1	Radar System			X	X	X			
1.1.4.5	1.1.1	Antenna			X	X				
1.1.4.5	1.1.2	Radar Electronics			X	X	X			
1.1.4.5	1.1.3	Power Supply			X	X				
1.1.4.5	1.1.4	Power Conditioner			X	X				
1.1.4.5	1.1.5	Rack/Structure			X	X				
1.1.4.5	1.1.6	Radar Software Release			X	N/A				
1.1.4.5	1.1.7	Radar Integration, Assembly, Test and Checkout			X	X				
1.1.4.5	1.2	Platform Integration, Assembly, Test and Checkout			X	X				
1.1.4.5	1.3	System Engineering			X	X	X			
1.1.4.5	1.4	Program Management			X	X	X			
1.1.4.5	1.5	System Test and Evaluation			X	X				
1.1.4.5	1.6	Training			X	X				
1.1.4.5	1.6.1	Equipment			X	X				
1.1.4.5	1.6.2	Services			X	N/A				
1.1.4.5	1.6.3	Facilities			X	X				
1.1.4.5	1.7	Data			X	X				
1.1.4.5	1.8	Peculiar Support Equipment			X	N/A				
1.1.4.5	1.9	Common Support Equipment			X	N/A				
1.1.4.5	1.10	Operational/Site Activation			X	X				
1.1.4.5	1.11	Industrial Facilities			X	X				
1.1.4.5	1.12	Initial Spares and Repair Parts			X	X				

Blocks 11a and 11b of DD Form 2794 establish CSDR prime contract/subcontract relationship



Advanced Data Reporting Structure Development

OSD CAPE

- Common challenges not addressed here
 - Multiple variants
 - Multiple phases included on one contract
 - Example: Production and Sustainment must have separate CSDR plans
 - Special cases of expandable 1...n elements in MIL-STD-881C



MIL-STD-881C Implementation

OSD CAPE

1...n Construct for a related set of elements

MIL-STD-881C Appendix A

Implementation

Reporting Element Code	Reporting Element
1.0	F-51 Fighter
1.1	Air Vehicle
...	...
1.1.7	Furnishings and Equipment
1.1.8	Air Vehicle Software Release 1...n
1.1.9	Air Vehicle Integration, Assembly, Test and Checkout

Reporting Element Code	Reporting Element
1.0	F-51 Fighter
1.1	Air Vehicle
...	...
1.1.7	Furnishings and Equipment
1.1.8	Air Vehicle Software Releases
1.1.8.1	Air Vehicle Software Release 1
1.1.8.2	Air Vehicle Software Release 2
1.1.8.3	Air Vehicle Software Release 3
1.1.9	Air Vehicle Integration, Assembly, Test and Checkout

1...n Construct for independent components

MIL-STD-881C Appendix A

Implementation

Reporting Element Code	Reporting Element
1.0	F-51 Fighter
1.1	Air Vehicle
1.1.1	Airframe
1.1.1.1	Airframe Integration, Assembly, Test and Checkout
1.1.1.2	Fuselage
1.1.1.3	Wing
1.1.1.4	Empennage
1.1.1.5	Nacelle
1.1.1.6	Other Airframe Components 1..n (Specify)
1.1.2	Propulsion

Reporting Element Code	Reporting Element
1.0	F-51 Fighter
1.1	Air Vehicle
1.1.1	Airframe
1.1.1.1	Airframe Integration, Assembly, Test and Checkout
1.1.1.2	Fuselage
1.1.1.3	Wing
1.1.1.4	Empennage
1.1.1.5	Nacelle
1.1.1.6	Stealth Special Airframe Part A
1.1.1.7	Stealth Special Airframe Part B
1.1.2	Propulsion



Data Reporting Structure Rules and Conventions

OSD CAPE

- **Always:**
 - Comply with MIL-STD-881C
 - Report to Level 3 or below for hardware items
 - Report to Level 2 or below for common elements
 - Use a logical numbering scheme for element codes (1.0, 1.1, 1.1.1, etc.)
 - Specify military designations, e.g., AN/APG-77
- **Never:**
 - Change the structure of a MIL-STD-881C appendix
 - Change the sequencing of MIL-STD-881C elements
 - Change the names of MIL-STD-881C elements
 - Have a single child element
 - Leave “1...n (Specify)” or “Other” in the final data reporting structure



Resource Distribution Table

OSD CAPE

Completed at least 60
days prior to RFP
release





Resource Distribution Table (RDT)

OSD CAPE

- Designed to provide an overview of the program's total or contract acquisition funding and indicates which elements are applicable to each firm
 - Program RDT - Identifies all government organizations, prime contracts, subcontracts, and Government Furnished Equipment (GFE) contracts and associated dollar values (total contract and SW effort)
 - Contract RDT - Identifies a single prime contract, subcontracts, and associated dollar values (total contract and SW effort)
- Establishes an early tracking mechanism to ensure all appropriate reporting requirements are implemented
- Developed with input from the government program office



Prime Contractor vs. Subcontractor

OSD CAPE

- Prime Contractor, i.e., a company whose contractual customer is the government
- Subcontractor, i.e., a company whose contractual customer is another contractor, including interorganizational work orders (IWOs)
 - **Direct-Reporting Subcontractor**
 - Delivers cost reports directly to DCARC (contract > \$50M)
 - Summary subcontract prices are in Prime Contractor's cost reports
 - **Non-Reporting Subcontractor**
 - Not required to submit cost reports to DCARC (contract < \$50M)
 - Below dollar-threshold items are included in the Prime Contractor's cost reports

CSDRs are required on high-technical/high risk or software development contracts & subcontracts > \$20M



Government Furnished Equipment (GFE)

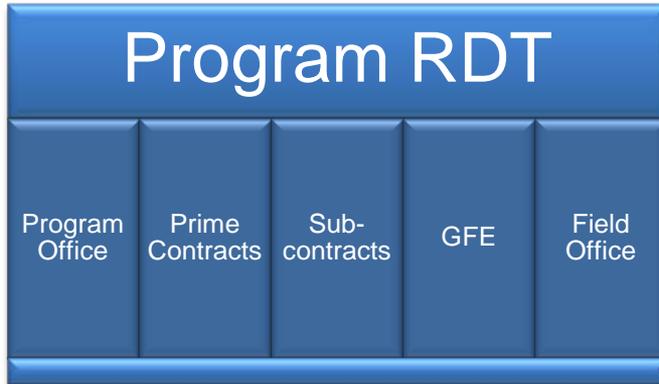
OSD CAPE

- Program Managers for ACAT I Programs often procure end items from other government program offices and provide those items to the Prime as Government Furnished Equipment (GFE).
- Funds used to procure GFE by the ACAT I PM are under same CSDR requirements as funds used to procure Contractor Furnished Equipment (CFE)
 - GFE Contracts exceeding reporting thresholds (contracts > \$50M) are subject to CSDR reporting requirements



Program vs. Contract RDT

OSD CAPE



- Program phase specific (e.g., TD, EMD, etc.)
- Reconciles with total program value for a specific acquisition phase



- Contract specific
- Reconciles with contract value for a specific contract



Program RDT Example

OSD CAPE

★ Total Program RDT Dollar Value reconciles with budget for given acquisition phase

Key Organizations

Prime Contractor or Sub-Contractor	Program Office		Prime Contractor		Subcontractors		GFE		Field Office	
	Program Office	Total	In-House	Total	Subcontractor 1	Subcontractor 2	Total	Prime	Field Office	
Description	Acquisition Manager	Aircraft			Engine	Software		Fire Control Radar	Central Computer	Testing
Contractor/Organization Name	NAVAIR SYSCOM	FlyByNight Corp.			Propulsion, Inc.	SoftwareRUs, Inc.		FCR, Inc.	CCP, Inc.	Naval Air Weapons Station
Contractor/Organization Location	Patuxent River, MD	St. Louis, MO			Baltimore, MD	Palo Alto, CA		Seattle, WA	Raleigh, NC	China Lake, CA
Contract Number	N/A	X00019-08-C-XXXX			TBD	TBD		X00136-06-C-XXXX	X00012-06-C-XXXX	NA
Total Program Office or Contract/Effort Value (Estimated), TY\$M	\$150.0	\$2,500.0	\$2,000.0	\$500.0	\$370.0	\$130.0	\$250.0	\$210.0	\$40.0	\$3.0
Subtotal Software Contract Value (Estimated), TY\$M	\$0.0	\$130.0	\$0.0	\$130.0	\$0.0	\$130.0	\$15.0	\$0.0	\$15.0	
Government Organization or PARM	PMA XXX	PMA XXX			N/A	N/A		NAVAIR	SPAWAR	PMA XXX
CSDR Direct Reporting per CWIPT (Yes/No)	N/A		Yes		Yes	Yes		Yes	No	No
SRDR Direct Reporting per CWIPT (Yes/No)	N/A		No		No	Yes		No	No	No
WBS NUMBERS	WBS Element Name									
L1	L2	L3								
1.0	Aircraft System			X						
1.1	Air Vehicle			X						
1.1.1	Airframe			X						
1.1.2	Propulsion				X					
1.1.3	Vehicle Subsystems									
1.1.4	Avionics							X	X	
1.1.5	Armament/Weapons Delivery			X						
1.1.6	Auxiliary Equipment			X						
1.1.7	Furnishings and Equipment									
1.1.8	Air Vehicle Software Release					X				
1.1.9	Air Vehicle Integration, Assembly, Test & Checkout			X						
1.2	Systems Engineering		X	X						
1.3	Program Management		X	X						
1.4	System Test and Evaluation			X						X
1.5	Training			X				X		
1.6	Data									
1.7	Peculiar Support Equipment									
1.8	Common Support Equipment									
1.9	Operational/Site Activation									
1.10	Industrial Facilities									
1.11	Initial Spares and Repair Parts			X		X		X	X	

Program Data Reporting Structure



Contract RDT Example

OSD CAPE

★ Total Contract RDT Dollar Value reconciles with contract value

Prime Contractor or Sub-Contractor	Prime Contractor		Subcontractors			Propulsion, Inc Subcontractors
	Total	In-House	Total	Subcontractor 1	Subcontractor 2	Subcontractor 1
Description	Aircraft			Engine	Navigation Radar	Motor
Contractor/Organization Name	FlyByNight Corp.			Propulsion, Inc.	AvionicsRUS, Inc.	Motors, Inc.
Contractor/Organization Location	St. Louis, MO			Baltimore, MD	Palo Alto, CA	Los Angeles, CA
Contract Number	X00019-08-C-XXXX			X00019-08-C-XXXX	X00019-08-C-XXXX	X00019-08-C-XXXX
Total Program Office or Contract/Effort Value (Estimated), TY\$M	\$2,500.0	\$1,622.0	\$878.0	\$370.0	\$130.0	\$75.0
Subtotal Software Contract Value (Estimated), TY\$M	\$150.0	\$150.0	\$0.0	\$0.0	\$0.0	\$0.0
Program Office	PMA XXX			N/A	N/A	N/A
CSDR Direct Reporting per CWIPT (Yes/No)		Yes		Yes	Yes	Yes
SRDR Direct Reporting per CWIPT (Yes/No)		No		No	Yes	No

★ Subcontractor reporting may be required for 2nd tier subcontractors that pass the reporting threshold

WBS NUMBER	WBS Element Name			
	L1	L2	L3	L4
1.0	Aircraft System			
1.1		Air Vehicle		
1.1.1			Airframe	
1.1.1.1				Airframe IAT&C
1.1.1.2				Fuselage
1.1.1.3				Wing
1.1.1.4				Empennage
1.1.1.5				Nacelle
1.1.1.6				Other Airframe Components
1.1.2			Propulsion	
1.1.3			Vehicle Subsystems	
1.1.4			Avionics	
1.1.4.1				Avionics IAT&C
1.1.4.2				Communication/Identification
1.1.4.3				Navigation/Guidance
1.1.4.4				Mission Computer/Processing
1.1.4.5				Fire Control
...				...
1.1.4.12				Avionics Software Release
1.1.5			Armament/Weapons Delivery	
1.1.6			Auxillary Equipment	
1.1.7			Furnishings and Equipment	
1.1.8			Air Vehicle Software Release	
1.1.9			Air Vehicle IAT&C	
1.2			Systems Engineering	
1.3			Program Management	
1.4			System Test and Evaluation	
1.5			Training	
1.6			Data	
1.7			Peculiar Support Equipment	
1.8			Common Support Equipment	
1.9			Operational / Site Activation	
1.10			Industrial Facilities	
1.11			Initial Spares and Repair Parts	

Contractor Data Reporting Structure



RDT Summary

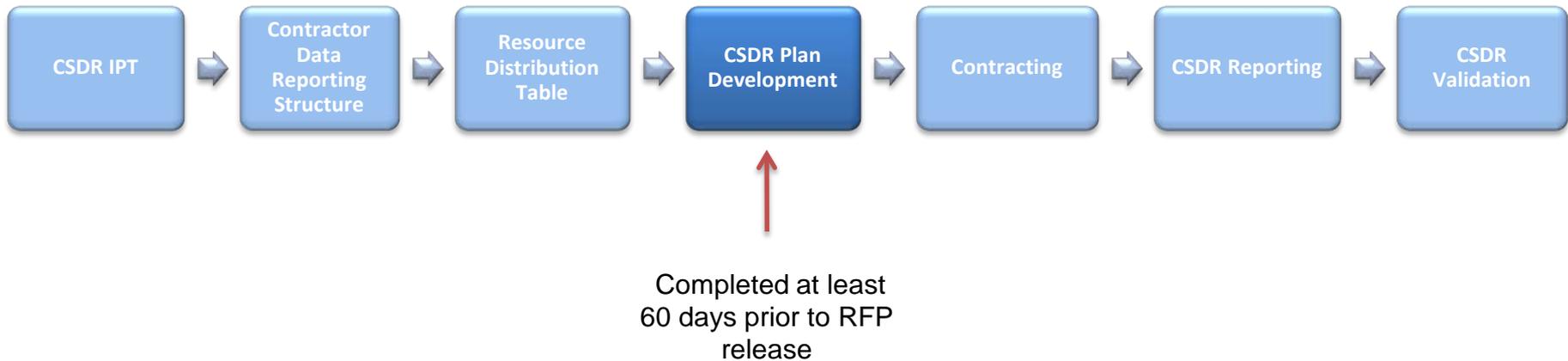
OSD CAPE

- RDTs are essential to:
 - Understand where program and contract dollars are being spent
 - Identify who is doing what work
 - Ensure all appropriate reporting requirements are implemented



CSDR Plan Development

OSD CAPE





CSDR Plans (DD Form 2794)

OSD CAPE

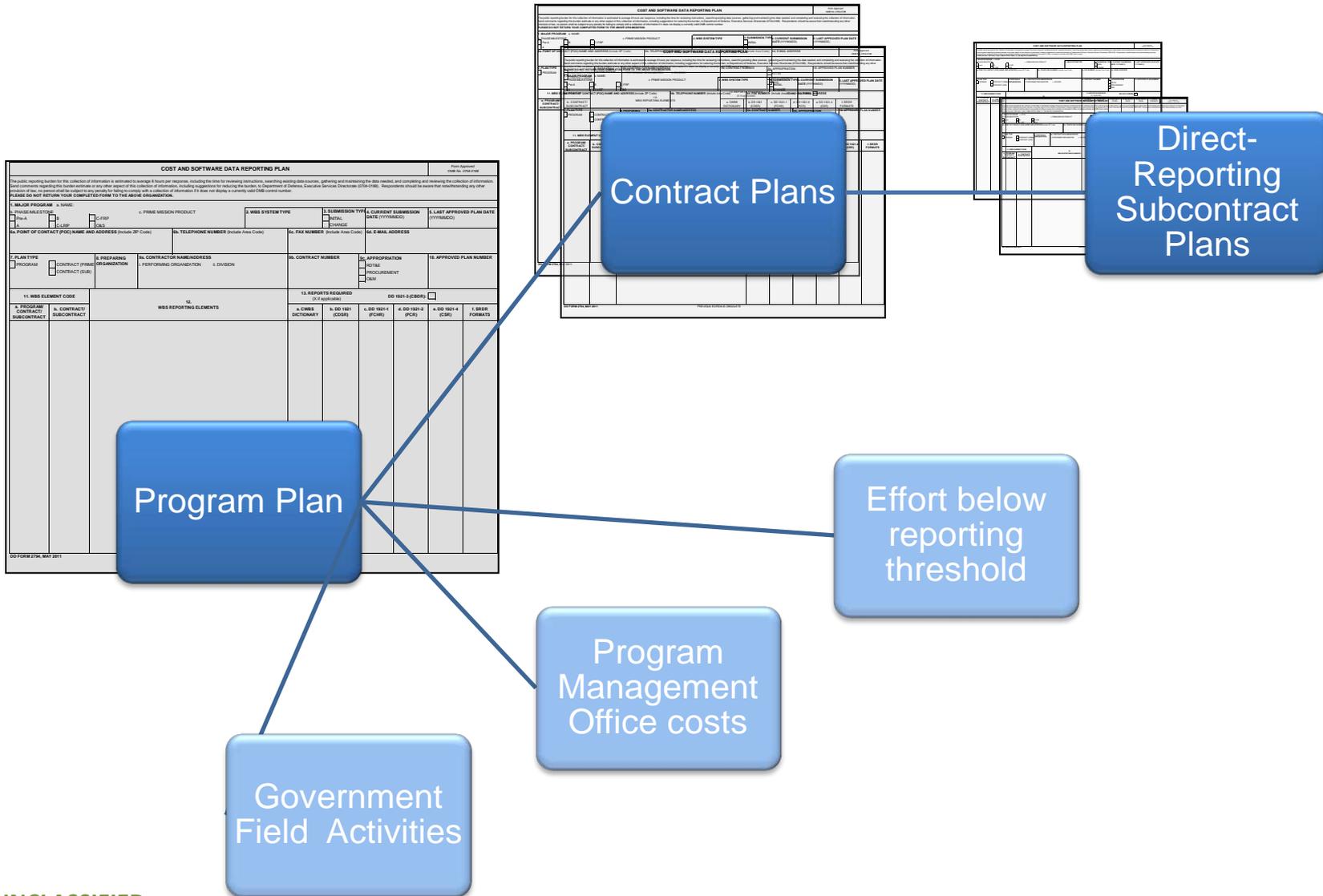
- Types: Program, Contract, and Subcontract
- Data reporting structure derived from MIL-STD-881C
- One overarching Program Plan required per phase, e.g., EMD, LRIP, FRP, Sustainment
- Required prime contract and subcontract plans determined by contract value
- Designate which reports are required for each Data Reporting element
- Establish submission events and frequency of reporting

cPet tool should be used to create all Program and Contract plans



Program Plan Relationship

OSD CAPE





DD Form 2794 (Page 1)

OSD CAPE

COST AND SOFTWARE DATA REPORTING PLAN						Form Approved OMB No. 0704-0188				
<p>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, 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.</p> <p>PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE ABOVE ORGANIZATION.</p>										
1. MAJOR PROGRAM a. NAME: b. PHASE/MILESTONE <input type="checkbox"/> Pre-A <input type="checkbox"/> B <input type="checkbox"/> C-FRP <input type="checkbox"/> A <input type="checkbox"/> C-LRIP <input type="checkbox"/> O&S			c. PRIME MISSION PRODUCT		2. WBS SYSTEM TYPE	3. SUBMISSION TYPE <input type="checkbox"/> INITIAL <input type="checkbox"/> CHANGE	4. CURRENT SUBMISSION DATE (YYYYMMDD)	5. LAST APPROVED PLAN DATE (YYYYMMDD)		
6a. POINT OF CONTACT (POC) NAME AND ADDRESS (Include ZIP Code)			6b. TELEPHONE NUMBER (Include Area Code)		6c. FAX NUMBER (Include Area Code)	6d. E-MAIL ADDRESS				
7. PLAN TYPE <input type="checkbox"/> PROGRAM <input type="checkbox"/> CONTRACT (PRIM) <input type="checkbox"/> CONTRACT (SUB)		8. PREPARING ORGANIZATION	9a. CONTRACTOR NAME/ADDRESS i. PERFORMING ORGANIZATION ii. DIVISION		9b. CONTRACT NUMBER	9c. APPROPRIATION <input type="checkbox"/> RDT&E <input type="checkbox"/> PROCUREMENT <input type="checkbox"/> O&M	10. APPROVED PLAN NUMBER			
11. WBS ELEMENT CODE a. PROGRAM/CONTRACT/SUBCONTRACT b. CONTRACT/SUBCONTRACT		12. WBS REPORTING ELEMENTS			13. REPORTS REQUIRED (X if applicable) DD 1921-3 (CBDR): <input type="checkbox"/>					
					a. CWBS DICTIONARY	b. DD 1921 (CDSR)	c. DD 1921-1 (FCHR)	d. DD 1921-2 (PCR)	e. DD 1921-4 (CSR)	f. SRDR FORMATS

Required Reports (Block 13)

Metadata (Blocks 1-10)

Element Code and Reporting Elements (Blocks 11-12)

DD FORM 2794, MAY 2011

PREVIOUS EDITION IS OBSOLETE



DD Form 2794 (Page 2)

OSD CAPE

14. CSDR SUBMISSION DATES				
a. SUBMISSION	b. FORM(S)	c. EVENT	d. AS OF DATE (YYYYMMDD)	e. DUE DATE (YYYYMMDD)

15. REMARKS

DD FORM 2794 (PAGE 2), 20110518 PREVIOUS EDITION IS OBSOLETE

Submission
Events
(Block 14)

Remarks
(Block 15)

Language in Block 15 is tailored to program plans and contract plans by CSDR IPT members



Program Plan

OSD CAPE

- Summarizes all CSDR requirements for an acquisition phase of a given program
 - Required reports
 - Reporting frequency for prime and subcontract plans
- Developed in accordance with MIL-STD-881C
- Provides overview of program, contracting approach, and quantity for specific acquisition phase
- Program plan is not placed on contract; no data submitted directly against it



Contract Plan

OSD CAPE

- Specific to a single contractor and single contract
- Developed in accordance with MIL-STD-881C
- Details the reporting required for elements that address high-risk, high-value or high-technical-interest areas
- Reflects the collection of cost and software data by reporting elements, report type, and frequency of reporting
- Includes “Summary Elements”
- May include special reporting instructions for the contractor in the Remarks section



Contract/Subcontract Plan: Summary Elements

OSD CAPE

- All contract plans have the following summary elements below the data reporting structure:

SUBTOTAL COST

REPORTING CONTRACTOR GENERAL & ADMINISTRATIVE (G&A)

REPORTING CONTRACTOR UNDISTRIBUTED BUDGET

REPORTING CONTRACTOR MANAGEMENT RESERVE

REPORTING CONTRACTOR FACILITIES CAPITAL COST OF MONEY

TOTAL COST

REPORTING CONTRACTOR PROFIT/LOSS OR FEE

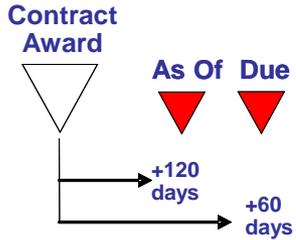
TOTAL PRICE

Contract/Subcontract Plan: CCDR

Submission Events

OSD CAPE

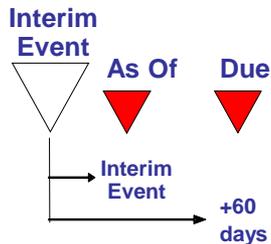
Initial Reporting



Initial Reports:

- If required by the CSDR IPT, Initial Reports are due 180 Days after contract award to ensure ability to report consistent with CSDR Plan and CDRLs

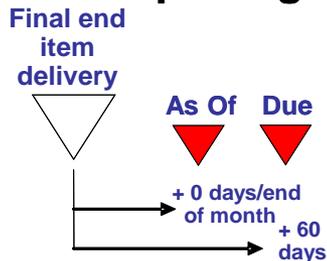
Interim Reporting



Interim Reports:

- Development efforts
 - Annual Reports
 - Reports are to be delivered after major events (e.g., first flight, completion of prototype) and before major milestones
- Production efforts
 - Annual Reports
 - Upon delivery of each annual lot
 - At the mid-point of construction for programs with extended production schedules (e.g., ships)

Final Reporting



Final Reports:

- Due within 60 Days after the final delivery of the major end item(s) and when total contract costs are at least 95% complete

Contractor Data Reporting Structure Dictionary is due with the first cost report and an update of the Dictionary must be submitted if changes occur



CSDR Plan Number Methodology

OSD CAPE

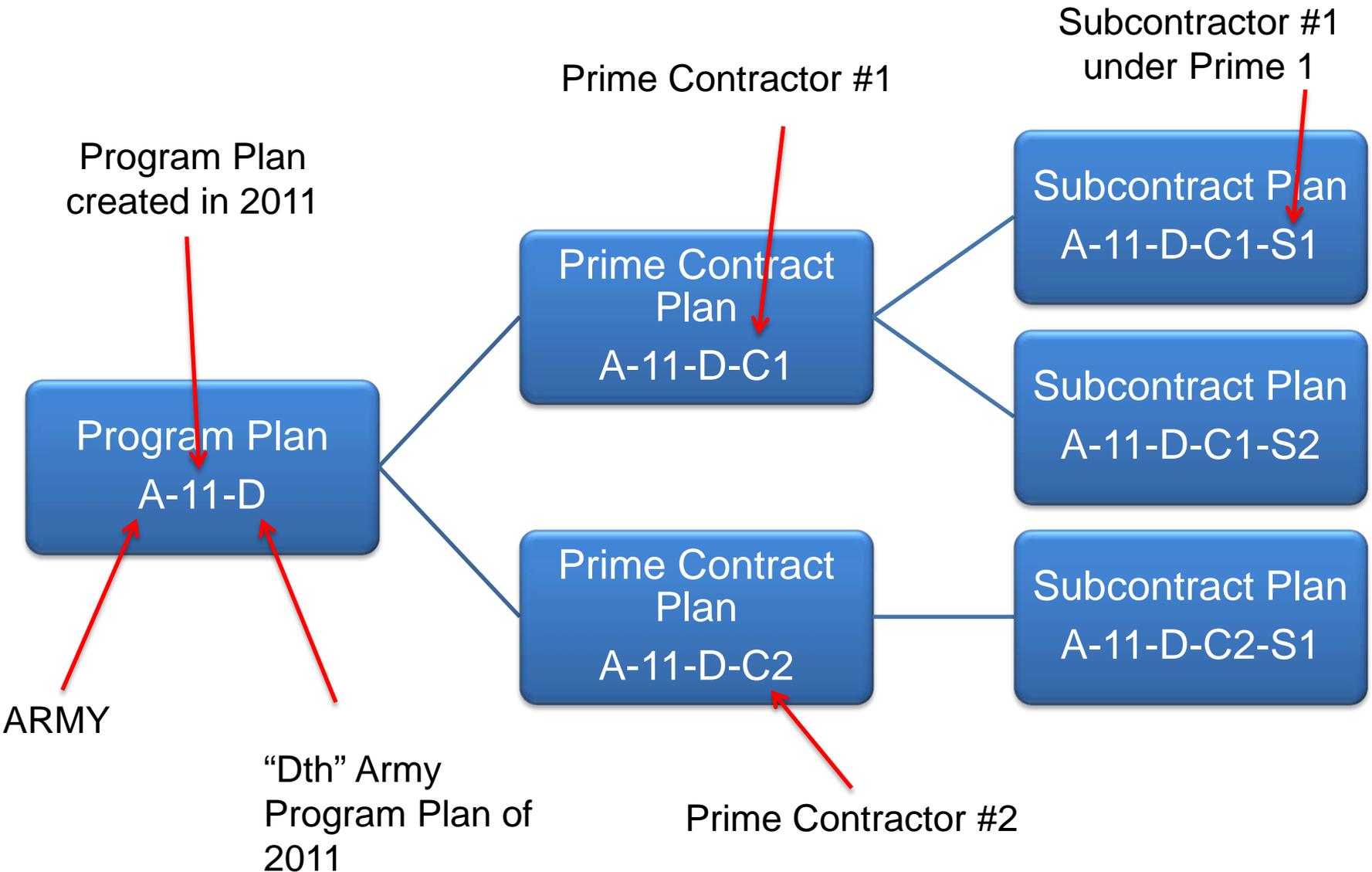
AA - YY - X - C# - S#

- **AA** is either:
 - A (Army)
 - AF (Air Force)
 - D (Department of Defense)
 - N (Navy)
- **YY**: Year the program plan was created (e.g. 97, 09)
- **X**: Alphabetical plan number of the year (e.g. A = 1st plan, B = 2nd plan, C = 3rd plan, etc.)
- **C#**: Prime Contractor Number (e.g. C1 = Prime #1, C2 = Prime #2)
- **S#**: Subcontractor Number (e.g. S1 = Sub #1)
- Plan revisions are denoted by an "(R)" after the plan number.
 - (R) = first revision, (R1) = second revision, (R2) = third revision, etc.
- Example: A-11-D-C1-S2(R)
 - Army plan – Program Plan created in 2011 – the "Dth" Army plan of 2011 – Sub #2 under Prime #1 – First revision



Plan Numbering Example

OSD CAPE





Plan Summary Table

OSD CAPE

	Program Plan	Contract Plan	Subcontract Plan
Responsible Parties	PM and CSDR IPT	PM, CSDR IPT, and contractor	PM, CSDR IPT, contractor, and subcontractor
Data Reporting Structure Level	To Level 3 or lower to show key subcontracts	To Level 3 per contract scope or lower for key/high-risk elements	To Level 3 per contract scope or lower for key/high-risk elements
Required Delivery	Prior to RFP, Prior to contract and subcontract plans	Prior to RFP release Prior to subcontract plan	Upon negotiation of subcontract
Cost Reporting	No	Yes	Yes
Software Reporting	No	Yes	Yes
Special End Notes	Program overview, contracting approach, quantity overview, and unique contractor instructions	Unique contractor instructions, 1921-3 requirement, accounting differences	Unique contractor instructions, 1921-3 requirement, accounting differences
Report Type/Frequency	Compilation of contract and subcontract plans	Specific to contract and its related direct reporting subcontracts	Specific to subcontract and consistent with prime contract plan requirements
Contract Number	Applies to all contracts for a specific acquisition phase	Single contract	Single contract
RDT	Program (including GFE)	Contract	Subcontract as applicable
Relationship among plans	One program plan may apply to many contract/subcontract plans	One contract plan may have many subcontract plans	Subcontract plan has one prime contractor. Subcontract plan may also require second tier subcontract plan(s)



Plan Revisions

OSD CAPE

- All Program, Contract, and Subcontract CSDR Plans are considered “living documents” that are updated as the program requirements, scope, and schedule evolve and change
- Plan revisions are required under the following conditions:
 - Additional scope added that is not captured by the existing data reporting structure
 - Adding or removing submission events
 - Element name changes
 - Changes in make/buy decisions that affect Level 3 and Level 4 elements
 - Significant FMS dollars added to accommodate foreign nation participation
 - Contract stop-work, program restructuring or re-baseline efforts
- Plan revisions are not required for:
 - Changes to submission event dates
 - Must be requested by the Program Office Point of Contact via the CSDR Submit-Review website
 - Date changes only applicable when linked to programmatic date slip identified in accompanying schedule



CSDR Plan Approval

OSD CAPE

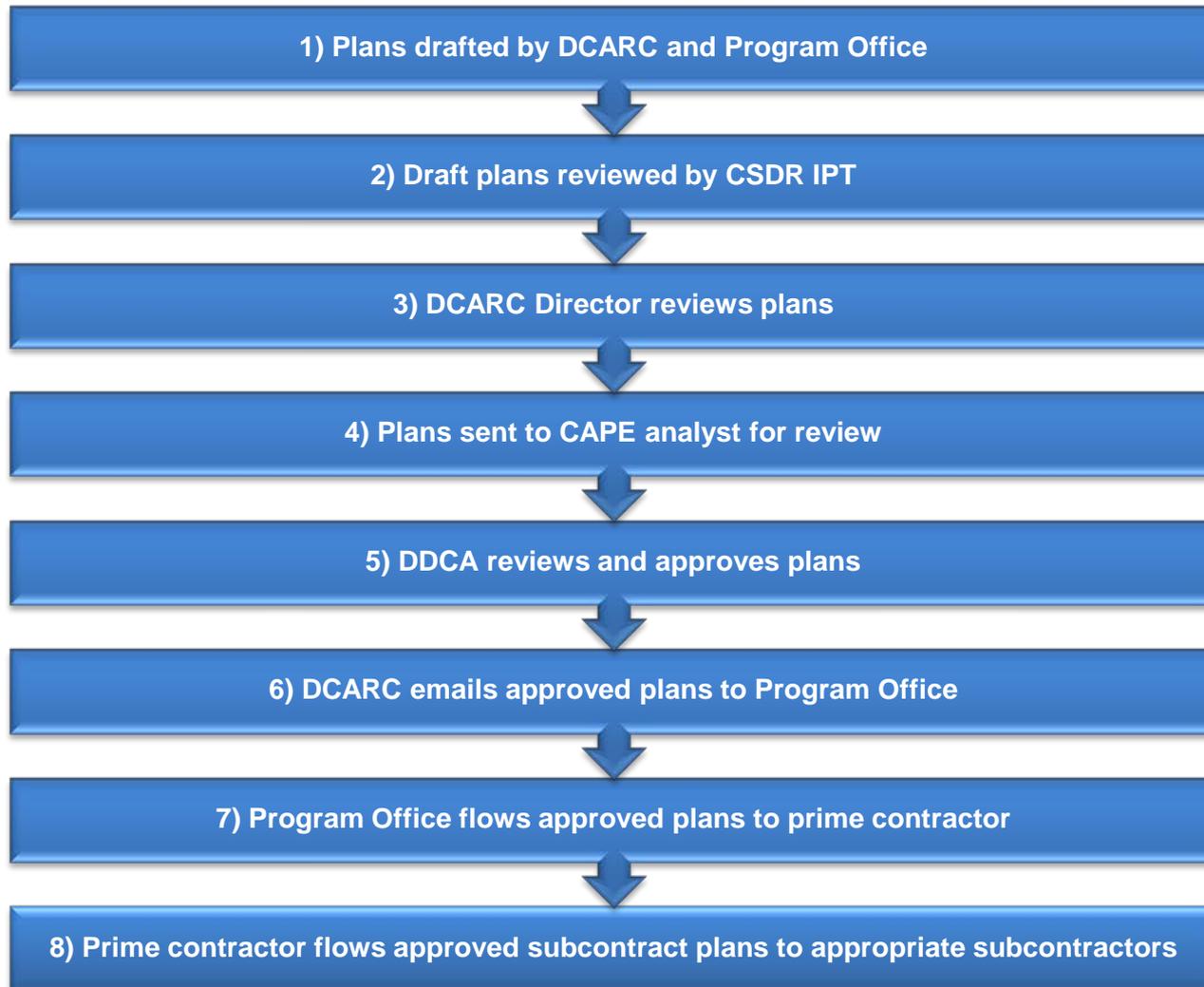
- The following documents/information must be submitted before a new or revised plan is approved:

Document/Information	New Plan	Revised Plan
Draft Plan (DD 2794)	X	X
Resource Distribution Table (RDT)	X	X
Draft RFP Language	X	
Draft CDRLs	X	
Acquisition Schedule	X	X
Contracting Officer Name	X	X



Plan Approval Process

OSD CAPE





Advanced CSDR Plan Development

OSD CAPE

- Common challenges not addressed here
 - Multiple variants
 - Multiple CLINs
 - Multiple phases included on one contract
 - Example: Production and Sustainment must have separate phases
 - Indefinite Delivery/Indefinite Quantity (ID/IQ) contracts and Support contracts
 - Foreign Military Sales (FMS)



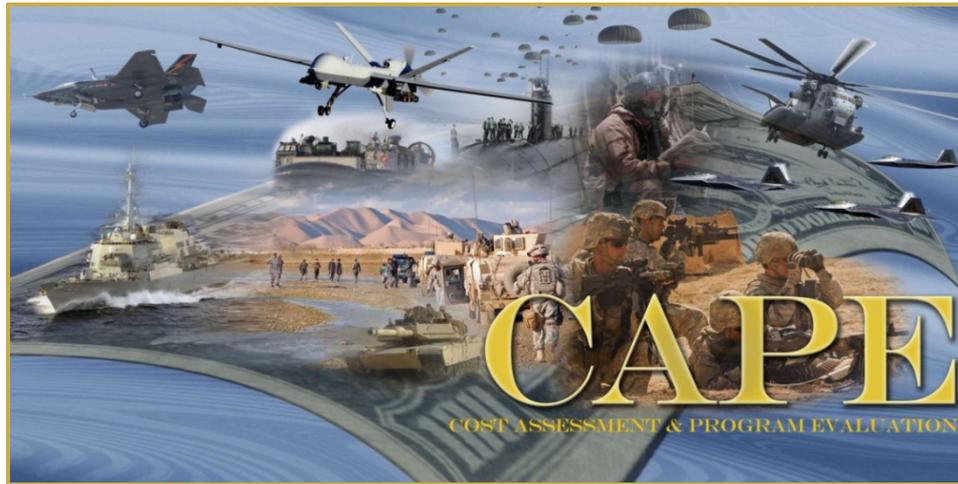
CSDR Plan Summary

OSD CAPE

- CSDR Plans are essential to receiving the cost data needed at the correct level of detail by identifying:
 - Data Reporting Structure Element Level required for reporting key/high risk items
 - Types of reports required for each Data Reporting Structure Element
 - Special Contractor Instructions needed for additional information

cPet Desktop Demo

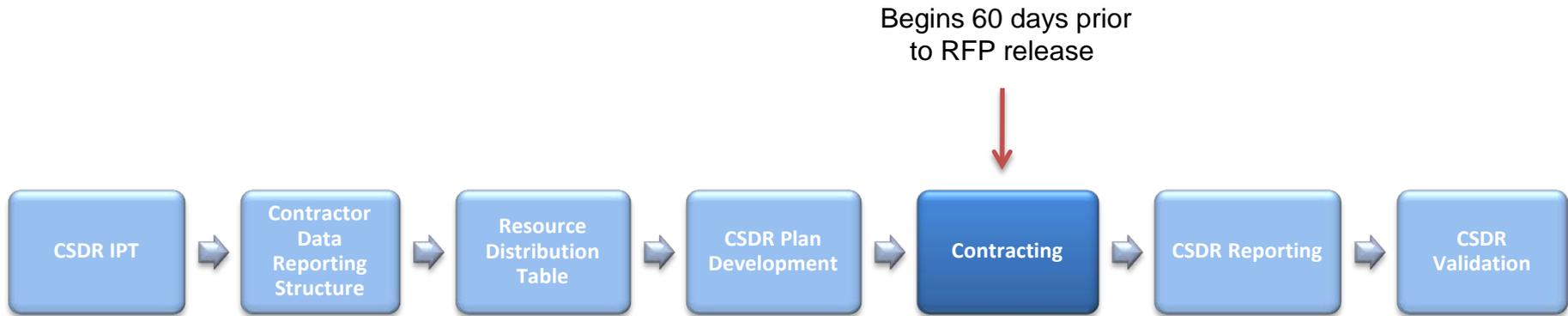
CSDR Plans and RDTs





Contracting

OSD CAPE





Contracting

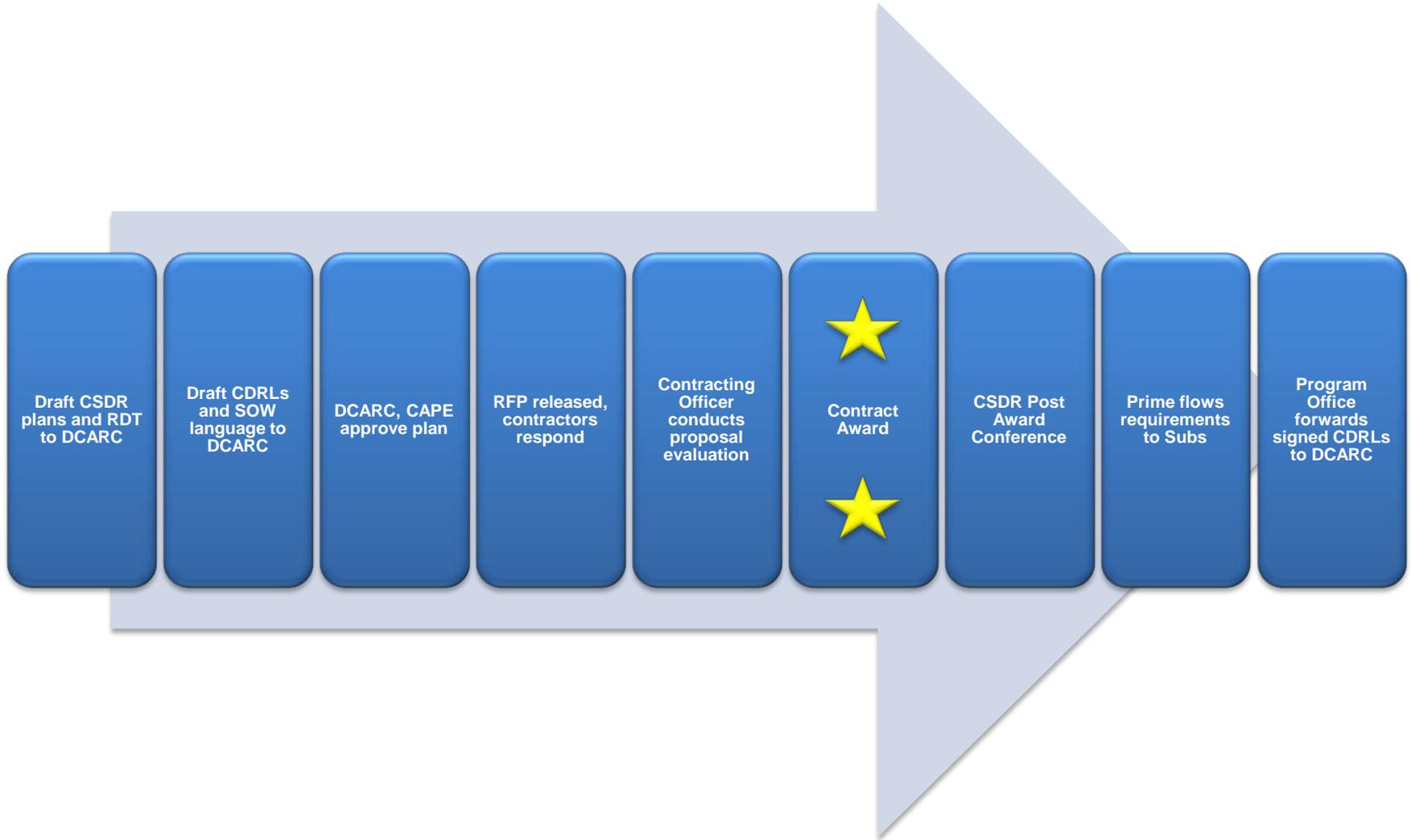
OSD CAPE

- Contracting consists of the actions required to ensure the CSDR requirement is implemented correctly
- Action is required pre-RFP through contract award
- Action is required throughout duration of contract on an as-needed basis (e.g., when the contract is modified)



Contracting

OSD CAPE





RFP Release

OSD CAPE

- Draft RFPs should contain a CAPE-approved CSDR Contract Plan and RDT
- Final RFPs must contain a CAPE-approved CSDR Contract Plan and RDT
- Inserting the CAPE-approved CSDR plan in the RFP establishes the CSDR requirement, the data reporting structure, report types, and report frequencies
- As of November 2010 the Defense Federal Acquisition Regulations Supplement (DFARS) clause formally establishes CSDR requirements pre and post contract award



Contract Data Requirements List (CDRLs) DD Form 1423-1

OSD CAPE

- Draft CDRLs (DD Form 1423-1) must be submitted to the DCARC 60 days prior to RFP Release
- As applicable, one CDRL per required cost reporting form:
 - “Cost Data Summary Report” (DD Form 1921)
 - “Functional Cost-Hour Report” (DD Form 1921-1)
 - “Progress Curve Report” (DD Form 1921-2)
 - “Contractor Business Data Report” (DD Form 1921-3)
 - “Contractor Sustainment Report” (DD Form 1921-4)
 - “Data Reporting Structure” (Data Reporting Structure Dictionary)
 - “Software Resources Data Reporting: Initial Developer Report and Data Dictionary” (Initial Developer Report)
 - “Software Resources Data Reporting: Final Developer Report and Data Dictionary” (Final Developer Report)

Final versions of the CDRLs (DD Form 1423-1) must be signed by the government Program Office and forwarded to the DCARC within 30 days of contract award/modification

Example CDRLs: <http://dcarc.cape.osd.mil/CSDR/Planning.aspx#CDRL>



CDRL Example

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)										Form Approved OMB No. 0704-0188	
<small>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 Service, Directorate for Information Operations and Reports (DDIC) 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. Send completed form to the Government Issuing Contracting Officer for the Contract PR No. listed in Block 6.</small>											
A. CONTRACT LINE ITEM NO.			B. EXHIBIT			C. CATEGORY: TOP TM OTHER					
D. SYSTEM/ITEM				E. CONTRACT/PR NO.				F. CONTRACTOR			
1. DATA ITEM NO.	2. TITLE OF DATA ITEM		3. SUBTITLE								
	Cost Data Summary Report (DD Form 1921)		Contractor Cost Data Reporting (CCDR)								
4. AUTHORITY (Data Acquisition Document No.)				5. CONTRACT REFERENCE				6. REQUIRING OFFICE			
DI-FNCL-81565C											
7. DD 250 REQ		8. DIST STATEMENT REQUIRED		10. FREQUENCY		12. DATE OF FIRST SUBMISSION		14. DISTRIBUTION			
								a. ADDRESS		b. COPIES	
9. APP CODE		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION				Draft		Serial	
15. REMARKS											
<p>Prepare Blocks 10 through 13 in accordance with the OSD Deputy Director, Cost Assessment (DDCA)-approved Cost and Software Data Reporting (CSDR) Plan provisions, the WBS Data Dictionary, and the CSDR Manual (DoDM 5000.04-M-1). The CSDR Plan is included as contract attachment 1. The CSDR Manual is available from the Defense Cost and Resource Center (DCARC) Web site at http://dcarc.cape.osd.mil.</p> <p>Contractors shall be required to submit CCD reports at frequencies specified in the OSD DDCA-approved CSDR plan and in the contract. All CCD reports shall be submitted electronically using the CSDR Submit-Review System. The required file format for each CCD report is specified in its Data Item Description (DID). The CWBS Index and Dictionary must be submitted in Microsoft Word-compatible files. Data submitters must register through the DCARC website and possess a DoD-issued CAC or DoD-approved ECA digital certificate to obtain a DCARC Portal account and be authorized to upload CSDR content. Users can obtain access by submitting user information about themselves and their organizations to the DCARC Portal and requesting a CSDR submitter user role. After the registration information has been verified, the DCARC shall authorize the user account and requested roles. DCARC Portal users with a DoD-issued CAC shall be able to register their CAC with their DCARC Portal account, enabling CAC login. All DCARC Portal accounts need to be renewed at least annually. Prime contractors are responsible for flowing down CCDR requirements contained in their prime contracts to all subcontractors who meet the reporting thresholds. This includes requiring subcontractors to electronically report directly to the DCARC.</p> <p>Subcontractor Reporting: The prime contractor shall be required to flow-down CSDR requirements to all subcontractors at all tiers that meet reporting thresholds. Depending upon the specific contractual relationship, prime contracts and subcontracts may have similar requirements regarding report type, frequency, and method of transmission. The prime contractor shall be required to work with the CWIPT and all appropriate subcontractors to prepare separate subcontract CSDR plans for submission to the DCARC for DDCA approval using the CSDR Submit-Review System.</p>											
16. DCARC See Block 16											
19. TOTAL → 0 0 0											
G. PREPARED BY				H. DATE		I. APPROVED BY		J. DATE			

Metadata
(Blocks A – F, 1 – 13)

Distribution Requirements (Block 14)

Standard Remarks Language (Block 16)

- including:
- Electronic Submission Instructions
 - Report Frequency
 - Distribution Instructions
 - Special Reporting Requirements



Contractor Response to RFP

OSD CAPE

- As a result of the CSDR DFARS clause, the contractor shall:
 - Describe the process to be used to satisfy the requirements of the CSDR Manual and the CSDR Plan
 - Demonstrate how CSDR reporting will be based, to the maximum extent possible, upon actual cost transactions and not cost allocations
 - Demonstrate how the data from its accounting system will be mapped into the standard reporting categories required in the CSDR DIDs
 - Describe how recurring and nonrecurring costs will be segregated
 - Provide comments on the adequacy of the CSDR contract plan and RDT
 - Submit DD Form 1921 and 1921-1 with its pricing proposal
 - CSDR reporting will be required for subcontracts at any tier with a value that exceeds \$50M

<http://www.acq.osd.mil/dpap/dars/dfars/html/current/252234.htm>

(clauses 252.234-7003 and 252.234-7004)



Contracting Officer Responsibilities

OSD CAPE

- As a result of the CSDR DFARS clause, the Contracting Officer shall:
 - Implement CSDR reporting on all contracts that meet CSDR requirement thresholds
 - Consult with the DCARC to determine that the contractor has proposed a standard CSDR system that complies with the CSDR plan
 - Check proposed CSDR system for compliance with the CSDR manual and DIDs
 - Conduct a Post Award Conference to address the CSDR requirement

http://www.acq.osd.mil/dpap/dars/dfars/html/current/242_5.htm#242.503

(clause 242.503-2)



Post Award Conference

OSD CAPE

- As required by DFARS clause 242.503, the Post Award Conference shall include a discussion of the contractor's standard cost and software data reporting (CSDR) process that satisfies the guidelines contained in the DoD 5000.04-M-1, CSDR Manual, the requirements in the Government-approved CSDR plan for the contract, DD Form 2794, and related Resource Distribution Table.
- Prime Contractor has the responsibility of placing approved CSDR Subcontract Plans on all applicable subcontracts.

http://www.acq.osd.mil/dpap/dars/dfars/html/current/242_5.htm#242.503

(clause 242.503-2)



Contracting Summary

OSD CAPE

- Ensuring the CSDR requirement is in the RFP and put on contract at award is essential to:
 - Avoid additional costs caused by adding CSDR requirements after contract award
- Discussing CSDR requirements in the Post Award conference is essential to:
 - Verify the requirements are understood and costs will be reported correctly



OSD EVM Data Requirements

Integrated Program Management Report (IPMR) Data Item Description (DID) & Work Breakdown Structures (WBS)

Sep 2012



Outline

- ▶ PARCA Overview
 - PARCA EVM Organization
 - EVM Responsibilities

- ▶ EVM Requirements
 - Authorities
 - WBS Development

- ▶ IPMR Overview
 - Information by Format

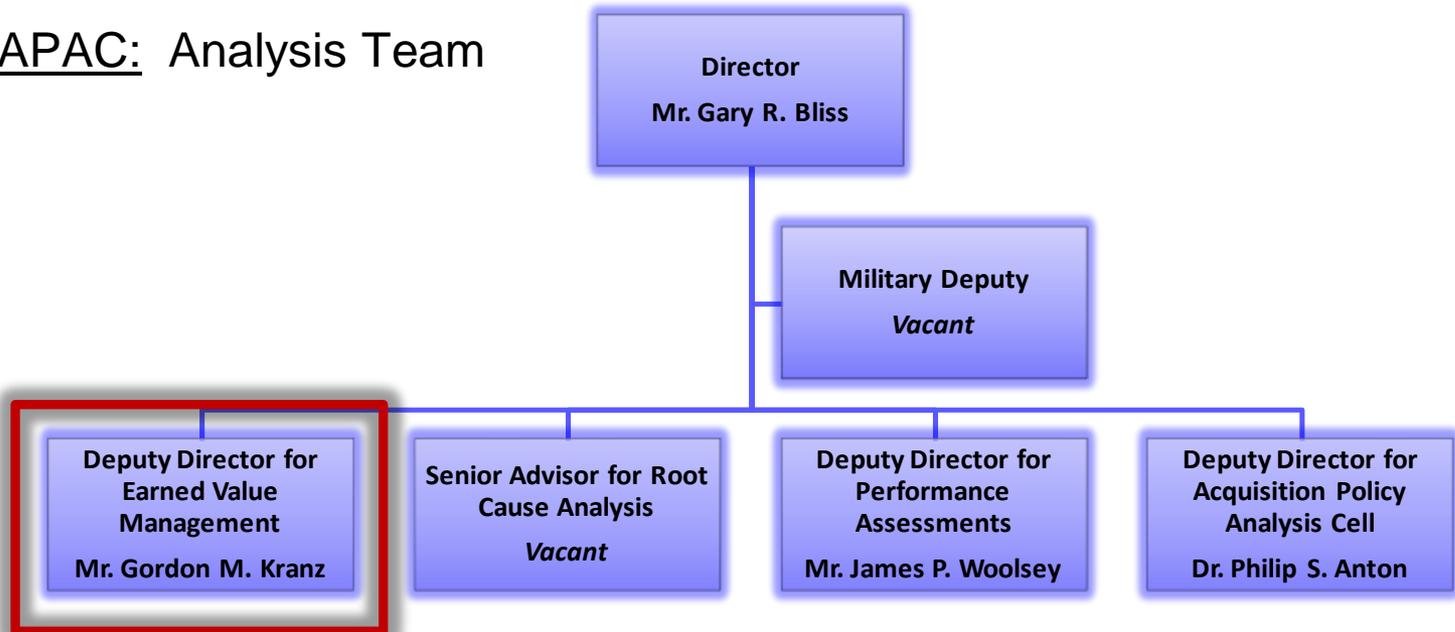
- ▶ EVM Data Requirements
 - Tailoring
 - Draft IPMR CDRL



PARCA Divisions

▶ PARCA has four divisions

1. PARCA Performance Assessments (PA): Program assessments and DAES selection
2. Root Cause Analysis: Nunn McCurdy breach analysis
3. PARCA EVM: OSD EVM Policy holder
4. APAC: Analysis Team





PARCA EVM Vision

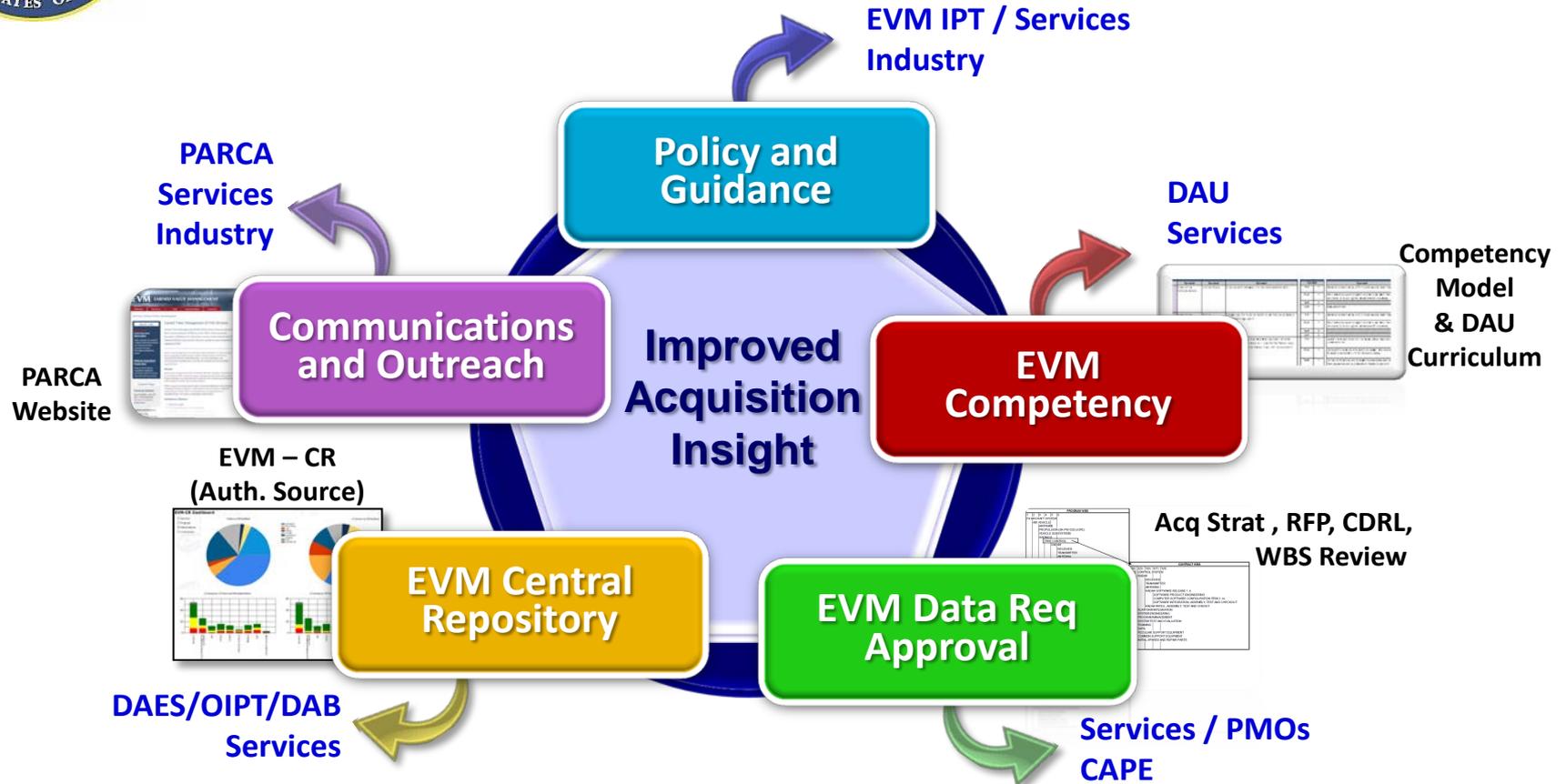
- ▶ Earned Value Management (EVM) is a management tool that is fully embraced by the DoD acquisition community.
- ▶ Guiding Principles:
 - Increase the quality and utility of EVM data.
 - Increase the use of EVM across the acquisition chain.
 - Improve acquisition professionals ability to utilize EVM.
 - Reduce Contractor's administrative burden of inefficient use of EVM.
 - Ensure constructive 2-way communication between DoD and Industry.
 - EVMS is perceived by all stakeholders to be cost effective.

PARCA EVM Authorities Memo was signed 10 Aug 2011.





PARCA EVM Duties & Inter-Relationships





EVM REQUIREMENTS SUMMARY



DFARS Requirements

- ▶ **234.201 Policy.**

- ▶ (1) DoD applies the earned value management system requirement as follows:
 - (i) For cost or incentive contracts and subcontracts valued at \$20,000,000 or more, the earned value management system shall comply with the guidelines in the American National Standards Institute/Electronic Industries Alliance Standard 748, Earned Value Management Systems (ANSI/EIA-748).
 - (ii) For cost or incentive contracts and subcontracts valued at \$50,000,000 or more, the contractor shall have an earned value management system that has been determined by the cognizant Federal agency to be in compliance with the guidelines in ANSI/EIA-748.

- ▶ **252.234-7001 Notice of Earned Value Management System.**

- Requirement For EVM/EVMS

- ▶ **252.234-7002 Earned Value Management System.**

- Requirements for the EVM System



PARCA Authorities in Data Requirements

- ▶ Advisor on EVM Application
- ▶ August 10, 2011 EVM Authorities Memo
 - “Review and approve EVM data requirements for MDAP Programs...”
 - “Resolve differences in interpretation of EVM policy, practice, and requirements among Components...”

Purpose of Data Req. Review:

1. Ensure proper application of EVM and EVM requirements  *Review Contract Scope*
2. Reduce economic burden of implementation and use of EVM  *Tailor the IPMR*
3. Assist in determining the proper level of detail for the WBS  *Working with PMO & CAPE*

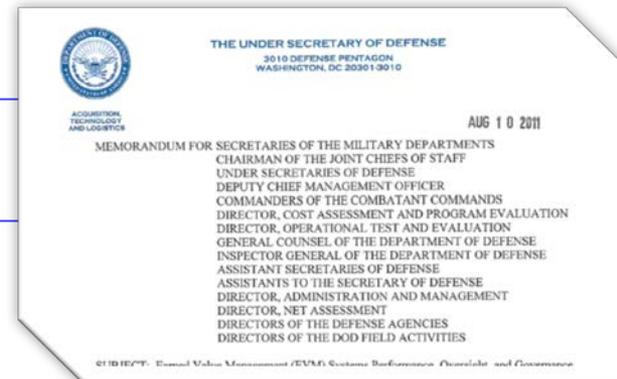


PARCA EVM Division

▶ PARCA EVM duties

1. EVM Policy Holder
2. EVM Central Repository (EVM-CR) Management
3. EVM Competency Management
4. EVM Data Requirements Approval
5. DoD EVM Interpretation and Issue Resolution Facilitation

PARCA EVM Authorities Memo was signed 10 Aug 2011.





PARCA Authorities in Data Requirements

▶ PARCA EVM duties includes EVM Data Requirements Approval and as an Advisor on EVM Application

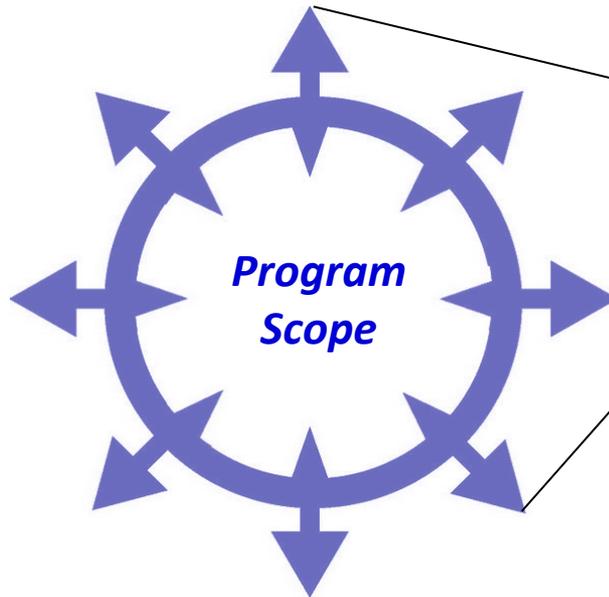
- *“Review and approve EVM data requirements for MDAP Programs...”*
- *“Resolve differences in interpretation of EVM policy, practice, and requirements among Components...”*

Purpose of Data Req. Review:

1. Ensure proper application of EVM  *Review Contract Scope*
2. Reduce economic burden of EVM & EVMS  *Tailor the IPMR*
3. Assist in determining proper level of WBS  *Working with PMO & CAPE*



Determination of EVM Applicability



PARCA is working on a Policy and/or Guidance update on determining EVM applicability on contracts

Part or all of the scope would benefit from the rigors of EVM in program management



Check contract type and value, related efforts, and if a schedule could be run thru the efforts



Validate with color of money and how the contract fits with the bigger picture of the overall Program



Tailoring Request Process

▶ Tailoring Process

- Request from PM comes into appropriate level EVM Focal
 - ACAT I – PARCA is the EVM Focal
 - ACAT II, III, & IV – Service/Agency is the EVM Focal
 - PARCA will set expectations for lower ACATs and will monitor implementation.
- EVM Focal works with PMO to determine appropriate deviation or tailoring.
- EVM Focal documents concurrence or non concurrence with recommended approach to the decision authority.
- PMO executes to direction of the decision authority.



PARCA Tailoring Review Criteria

▶ Work Scope

- Development, T&M or Services?
- Multiple Task Orders in a single contract (ID/IQ)?
 - Are task orders independent or related (i.e., can you pull an IMS thread through the task orders)?
 - Are single task orders over the dollar threshold?

▶ Period of Performance

- Effort is greater or less than 12 months.
- If ID/IQ, then is a single task order or related task orders greater or less than 12 months.

▶ Dollar Value

▶ Contract Type



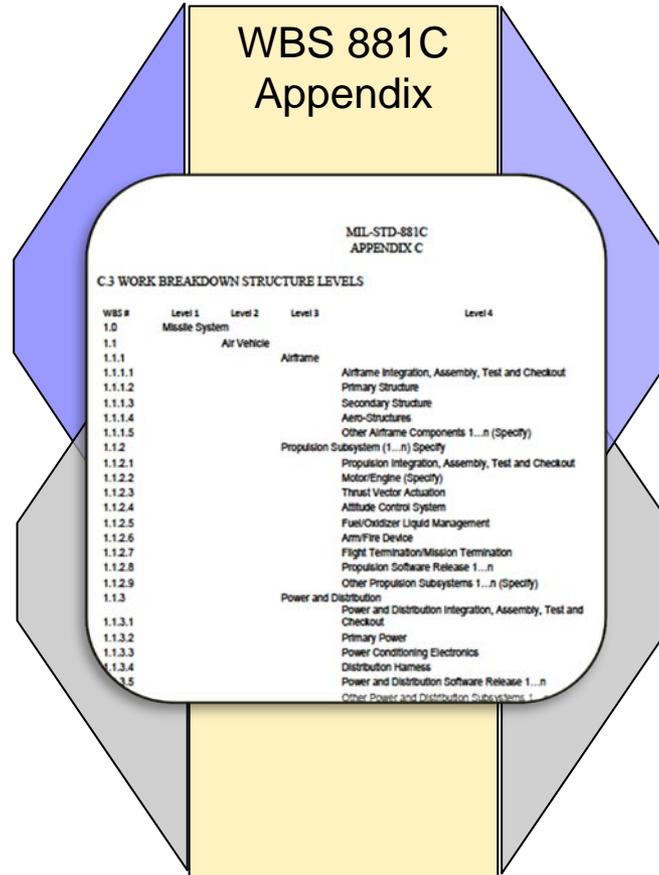
Work Breakdown Structure

Earned Value

By WBS,
Show Format
1 Extract

CSDR

By WBS,
Show CSDR
Extract,
showing
recurring and
non-recurring
for example



TPMs

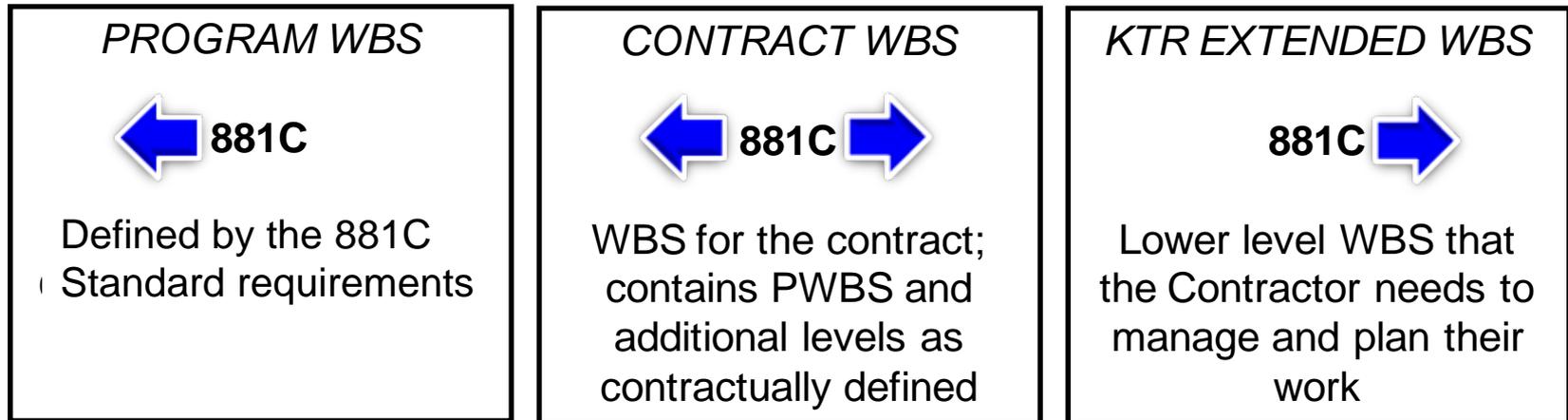
By WBS,
Show WBS
Tree with Size
and Weight
and
specification
allocations

Design
documentation

By WBS,
Show Phase
Picture of
Products from
documents to
wire diagrams
to solid
diagrams



WBS Development



PARCA is working with CAPE on reviewing EVM requirements and WBS structures invoked in major DoD acquisitions.



IPMR OVERVIEW BY FORMAT



IPMR DID Overview

- ▶ IPMR DID officially released 19 June 2012
- ▶ The IPMR DID is effective 1 July
- ▶ Merger of prior IMS and CPR DIDs
 - Merged IMS and CPR. Old CPR is sections 3.2-3.6, IMS is section 3.7, and new Format 7 id section 3.8
- ▶ Integration of schedule and cost
- ▶ Support electronic submission of data (DoD approved XML)
 - Optional language for hours, human readable, control account level, and subcontractor reports



CPR & IMS = IPMR

CPR
DID

DATA ITEM DESCRIPTION

TITLE: CONTRACT PERFORMANCE REPORT (CPR)
 NUMBER: DI-MGMT-81466A
 AMSC NUMBER: D7549
 DTIC APPLICABLE:
 PREPARING ACTIVITY: OUSD(AT&L)ARA/AM(SO)

APPROVAL DATE: 20050330
 LIMITATION:
 GIDEF APPLICABLE:

APPLICABLE FORMS: DD Forms are available and shall be used to submit required formats as follows:

CPR Format
 Work Breakdown Structure 2734/1 1
 Organizational Categories 2734/2 2
 Base Staffing 2734/3 3
 Explanations and

DD Form Number Sample Format No.

CONTRACT PERFORMANCE REPORT
 FORM 7 - ORGANIZATIONAL CATEGORIES

ITEM	BUDGETED COST	CURRENT PERIOD	VARIANCE	BUDGETED COST	VARIANCE	REPROGRAM ADJUSTMENTS		AT COMPLETION	
						AMOUNT	PERCENT	AMOUNT	PERCENT
1. UNASSIGNED	17,000	0	17,000	17,000	0.00	0.00	17,000	100.00	
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IMS
DID

DATA ITEM DESCRIPTION

TITLE: INTEGRATED MASTER SCHEDULE (IMS)
 NUMBER: DI-MGMT-814650
 AMSC NUMBER: D7544
 DTIC APPLICABLE:
 PREPARING ACTIVITY: OUSD(AT&L)ARA/AM(SO)

APPROVAL DATE: 20050330
 LIMITATION:
 GIDEF APPLICABLE:

APPLICABLE FORMS: None

USE/RELATIONSHIP: schedule contains successful prog; Integrated Mast Structure (CMS) verify attainab; meeting program with all relate; modification; applied to full

Task Name	Start	Finish
1 - Program Event	Wed 8/29/07	Fri 9/7/07
2 - (PE) Program Event Completed	Fri 9/7/07	Fri 9/7/07
3 - Significant Accomplishment 1	Wed 8/29/07	Fri 9/7/07
4 - (SA) Significant Accomplishment Completed 2	Fri 9/7/07	Fri 9/7/07
5 - Accomplishment Criteria 1.1	Tue 9/4/07	Fri 9/7/07
6 - (AC) Accomplishment Criteria Completed	Fri 9/7/07	Fri 9/7/07
7 - Task 1.1	Wed 9/5/07	Wed 9/5/07
8 - Task 1.1.2	Tue 9/4/07	Tue 9/4/07
9 - Task 1.1.3	Wed 9/5/07	Wed 9/5/07
10 - Task 1.1.4	Thu 9/6/07	Thu 9/6/07
11 - Accomplishment Criteria 1.2	Fri 9/7/07	Fri 9/7/07
12 - (AC) Accomplishment Criteria Completed	Mon 9/3/07	Mon 9/3/07
13 - Task 1.2.1	Wed 8/29/07	Wed 8/29/07
14 - Task 1.2.2	Thu 9/3/07	Thu 9/3/07
15 - Task 1.2.3	Fri 9/3/07	Fri 9/3/07
16 - Task 1.2.4	Mon 9/3/07	Mon 9/3/07

IPMR DID

DI-MGMT-81466B
 Final OSD IPT Adjudicated Version
 31 October 2011

DATA ITEM DESCRIPTION

TITLE: IPMR Integrated Program Management Report (IPMR)
 NUMBER: DI-MGMT-81466B
 AMSC NUMBER: D7549
 DTIC APPLICABLE:
 PREPARING ACTIVITY: OUSD (AT&L) PARCA

APPROVAL DATE: Draft
 LIMITATION:
 GIDEF APPLICABLE:

APPLICABLE FORMS: DD Forms are available and shall be used to submit required formats as follows:

IPMR Format DD Form Number.
 Work Breakdown Structure 2734/1 1
 Organizational Categories 2734/2 2
 Baseline 2734/3 3
 Staffing 2734/4 4

CONTRACT PERFORMANCE REPORT
 FORM 7 - ORGANIZATIONAL CATEGORIES

ITEM	BUDGETED COST	CURRENT PERIOD	VARIANCE	BUDGETED COST	VARIANCE	REPROGRAM ADJUSTMENTS		AT COMPLETION	
						AMOUNT	PERCENT	AMOUNT	PERCENT
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39. UNASSIGNED	1,000	0	1,000	1,000	0.00	0.00	1,000	100.00	
40. UNASSIGNED	1,000	0	1,000	1,000	0.00	0.00	1,000	100.00	
41. UNASSIGNED	1,000	0	1,000	1,000	0.00	0.00	1,000	100.00	
42. UNASSIGNED	1,000	0	1,000	1,000	0.00	0.00	1,000	100.00	
43. UNASSIGNED	1,000	0	1,000	1,000	0.00	0.00	1,000	100.00	
44. UNASSIGNED	1,000	0	1,000	1,000	0.00	0.00	1,000	100.00	
45. UNASSIGNED	1,000	0	1,000	1,000	0.00	0.00	1,000	100.00	
46. UNASSIGNED	1,000	0	1,000	1,000	0.00	0.00	1,000	100.00	
47. UNASSIGNED	1,000	0	1,000	1,000	0.00	0.00	1,000	100.00	
48. UNASSIGNED	1,000	0	1,000	1,000	0.00	0.00	1,000	100.00	
49. UNASSIGNED	1,000	0	1,000	1,000	0.00	0			



IPMR DID Application

- ▶ The DID is applied with DFARS 252.52-7001/7002.
- ▶ Generally full IPMR is applicable for incentive/award contracts greater than \$20M.
 - Format 6 and the associated Format 5 analysis are separable and may be applicable when EVM is not required.
- ▶ Currently the CPR and IMS are referenced in 5000.02 and DAG.
 - Will be updated to reflect new DID.
- ▶ IMS may be separately applied – see section 2.8.2 in the IPMR DID for applicable formats and sections.



General DID Information

► Major Changes:

- All formats shall be submitted electronically in accordance with the DOD-approved XML schemas
- Reporting Level. The reporting level is defined consistent with MIL-STD-881 (current version in use at time of contract award), as applicable.
- Human Readable. The Government may, in the CDRL, require Formats 1-4 in human readable format down to the reporting level as additional, separate submissions.
- Default is Formats 1-6 monthly and Format 7 annually
- Options for hours, subcontract reports, control account level Format 1.
- Standardized reporting between Formats 1 & 2 and between 3 & 4, and all formats with Format 5.



DID Topical Matrix

	2005	Oct 2012	Feb-Apr 2012	Jun 2012
General Topic Areas				
<i>Reporting Frequency</i>	12WD (up to 17WD)	10WD 1-4, 6; 13 Fmt 5	Various versions: - 13th CD - 12th WD, Format 5 on 15th WD - 12WD (up to 17WD)	12WD (up to 17WD)
<i>WBS Consistency</i>	Mil-HDBK-881 and CWBS DID, CCDD as applicable	MIL -STD 881, CWBS DID, CSDR	MIL -STD 881	The submission of Format 1 data shall utilize a product-oriented WBS at the level established by tailoring the appropriate MIL-STD-881 appendix
<i>Reporting Level</i>	Normally Level 3 or lower	Control Account consistent with MIL-STD 881	Control Account consistent with MIL-STD 881	MIL-STD 881, CA/HRs Optional
<i>Reporting Format</i>	X12 or Contractor Format	UN/CEFACT	DOD Approved XML Guideline	DoD Approved XML Guideline
<i>Cost/Sched Integ.</i>	CPR DID shall be used in conjunction with the Integrated Master Schedule (IMS) DID, DI-MGMT-81650	Joint IPMR DID (merged CPR and IMS)	Joint IPMR DID (merged CPR and IMS)	Joint IPMR DID (merged CPR and IMS)
<i>Variance Analysis</i>	Explain all variances that exceed specified variance thresholds	Top 15	Top 15	Top 15



DID Topical Matrix by Format

	2005	Oct 2012	Feb-Apr 2012	Jun 2012
By Format				
<i>Format 1</i>	No descope discussion	No format change; definitional and clarification items for EACs, AUW, etc.	No format change; definitional and clarification items for EACs, AUW, etc.	No format change; definitional and clarification items for EACs, AUW, etc.
<i>Format 2</i>		Definitions consistent with Format 1	Definitions consistent with Format 1	Definitions consistent with Format 1
<i>Format 3</i>	Greyed changes section	Add total line (row) to Format	"Un-gray" of monthly changes; removed total line	"Un-gray" of monthly changes
<i>Format 4</i>		No format change; option hours or EQH	No format change, option hours or EQH	No format change, option hours or EQH
<i>Format 5</i>		Revised Structure, linked IMS	Revised Structure, Enhanced Schedule Reporting	Revised Structure, Enhanced Schedule Reporting
<i>Format 6</i>	New in 2005	Various definitions, terms, and clarifications added, Justify Relationships, Constraints, Lags	Various definitions, terms, and clarifications added, Justify Relationships, Constraints, Lags	Various definitions, terms, and clarifications added, Justify Late and some early Constraints, Lags, Schedule Margin clarified
<i>Format 7</i>	ACAT 1 CR History File	ACAT 1 CR History File	Format 7 added; history and timephased info at CA level	Format 7 added; history and timephased info Format 1 level



Format 1 Header

CLASSIFICATION (When Filled In)									
CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE							DOLLARS IN		FORM APPROVED OMB No. 0704-0188
The public reporting burden for this collection of information is estimated to average 3.1 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 THIS ADDRESS. SUBMIT COMPLETED FORMS IN ACCORDANCE WITH CONTRACTUAL REQUIREMENTS									
1. CONTRACTOR			2. CONTRACT			3. PROGRAM			4. REPORT PERIOD
a. NAME			a. NAME			a. NAME			a. FROM (YYYYMMDD)
b. LOCATION (Address and ZIP Code)			b. NUMBER			b. PHASE			b. TO (YYYYMMDD)
			c. TYPE	d. SHARE RATIO		c. EVMS ACCEPTANCE NO YES (YYYYMMDD)			
5. CONTRACT DATA									
a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		d. TARGET PROFIT/ FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING	i. DATE OF OTB/OTS (YYYYMMDD)
6. ESTIMATED COST AT COMPLETION						7. AUTHORIZED CONTRACTOR REPRESENTATIVE			
MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)	VARIANCE (3)			a. NAME (Last, First, Middle Initial)		b. TITLE	
a. BEST CASE						c. SIGNATURE		d. DATE SIGNED (YYYYMMDD)	
b. WORST CASE									
c. MOST LIKELY									
8. PERFORMANCE DATA									

Best, Worst, & Most Likely EACS

Authorized, Unpriced Work, Estimated Price, Estimated Contract Ceiling, etc.



Format 1 Body

8. PERFORMANCE DATA																
ITEM	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE		COST VARIANCE	SCHEDULE VARIANCE	BUDGET	BUDGETED	ESTIMATED	VARIANCE
	WORK SCHEDULED	WORK PERFORMED	WORK PERFORMED	SCHEDULE	COST	WORK SCHEDULED	WORK PERFORMED	WORK PERFORMED	SCHEDULE	COST						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12a)	(12b)	(13)	(14)	(15)	(16)
a. WORK BREAKDOWN STRUCTURE ELEMENT																
b. COST OF MONEY																
c. GENERAL AND ADMINISTRATIVE																
d. UNDISTRIBUTED BUDGET																
e. SUB TOTAL (PERFORMANCE MEASUREMENT BASELINE)																
f. MANAGEMENT RESERVE																
g. TOTAL																
9. RECONCILIATION TO CONTRACT BUDGET BASE																
a. VARIANCE ADJUSTMENT																
b. TOTAL CONTRACT VARIANCE																

Cost of Money, G&A, Indirects

WBS, CWBS, MIL-STD-881, Reporting Structure

Performance Data Clarifications



Format 2

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES											DOLLARS IN			FORM APPROVED OMB No. 0704-0188		
<small>The public reporting burden for this collection of information is estimated to average 6 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 THIS ADDRESS. SUBMIT COMPLETED FORMS IN ACCORDANCE WITH CONTRACTUAL REQUIREMENTS.</small>																
1. CONTRACTOR				2. CONTRACT				3. PROGRAM				4. REPORT PERIOD				
a. NAME				a. NAME				a. NAME				a. FROM (YYYYMMDD)				
b. LOCATION (Address and ZIP Code)				b. NUMBER				b. PHASE				b. TO (YYYYMMDD)				
				c. TYPE				d. SHARE RATIO				c. EVMS ACCEPTANCE NO YES (YYYYMMDD)				
5. PERFORMANCE DATA																
ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE		COST VARIANCE	SCHEDULE VARIANCE	BUDGET	BUDGETED	ESTIMATED	VARIANCE
	WORK SCHEDULED	WORK PERFORMED	WORK PERFORMED	SCHEDULE	COST	WORK SCHEDULED	WORK PERFORMED	WORK PERFORMED	SCHEDULE	COST	(12a)	(12b)	(13)	(14)	(15)	(16)
a. ORGANIZATIONAL CATEGORY																
b. COST OF MONEY																
c. GENERAL AND ADMINISTRATIVE																
d. UNDISTRIBUTED BUDGET																
e. SUB TOTAL (PERFORMANCE MEASUREMENT BASELINE)																
f. MANAGEMENT RESERVE																
g. TOTAL																

Cost of Money, G&A, Indirects

Organizational categories,



Format 3

1. CONTRACTOR			2. CONTRACT			3. PROGRAM			4. REPORT PERIOD						
a. NAME			a. NAME			a. NAME			a. FROM (YYYYMMDD)						
b. LOCATION (Address and ZIP Code)			b. NUMBER			b. PHASE			b. TO (YYYYMMDD)						
			c. TYPE			d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES (YYYYMMDD)						
5. CONTRACT DATA															
a. ORIGINAL NEGOTIATED COST			b. NEGOTIATED CONTRACT CHANGES		c. CURRENT NEGOTIATED COST (a. + b.)		d. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		e. CONTRACT BUDGET BASE (c. + d.)		f. TOTAL ALLOCATED BUDGET	g. DIFFERENCE (e. - f.)			
h. CONTRACT START DATE (YYYYMMDD)			i. CONTRACT DEFINITIZATION DATE (YYYYMMDD)			j. PLANNED COMPLETION DATE (YYYYMMDD)			k. CONTRACT COMPLETION DATE (YYYYMMDD)		l. ESTIMATED COMPLETION DATE (YYYYMMDD)				
6. PERFORMANCE DATA															
ITEM	BCWS CUMULATIVE TO DATE	BCWS FOR REPORT PERIOD	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)										UNDIS-TRIBUTED BUDGET	TOTAL BUDGET	
			SIX MONTH FORECAST						ENTER SPECIFIED PERIODS						
			+1	+2	+3	+4	+5	+6							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
a. PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)															
b. BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD															
c. TOTAL BASELINE CHANGES AUTHORIZED DURING REPORT PERIOD															
d. PERFORMANCE MEASUREMENT BASELINE (End of Period)															
7. MANAGEMENT RESERVE															
8. TOTAL															

Planned, Estimated and Contract Completion Dates

Total Changes; Changes by Month



Format 4

CONTRACT PERFORMANCE REPORT FORMAT 4 - STAFFING											FORM APPROVED			
											OMB No. 0704-0188			
<small>The public reporting burden for this collection of information is estimated to average 5 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 THIS ADDRESS. SUBMIT COMPLETED FORMS IN ACCORDANCE WITH CONTRACTUAL REQUIREMENTS</small>														
1. CONTRACTOR			2. CONTRACT				3. PROGRAM				4. REPORT PERIOD			
a. NAME			a. NAME				a. NAME				a. FROM (YYYYMMDD)			
b. LOCATION (Address and ZIP Code)			b. NUMBER				b. PHASE				b. TO (YYYYMMDD)			
			c. TYPE		d. SHARE RATIO		c. EVMS ACCEPTANCE							
							NO YES (YYYYMMDD)							
5. PERFORMANCE DATA (All figures in whole numbers)														
ORGANIZATIONAL CATEGORY	ACTUAL CURRENT PERIOD	ACTUAL END OF CURRENT PERIOD (Cumulative)	FORECAST (Non-Cumulative)											
			SIX MONTH FORECAST BY MONTH (Enter Names of Months)						ENTER SPECIFIED PERIODS					AT COMPLETION
(1)	(2)	(3)	+1 (4)	+2 (5)	+3 (6)	+4 (7)	+5 (8)	+6 (9)	(10)	(11)	(12)	(13)	(14)	(15)
6. TOTAL DIRECT														

Organizational Categories

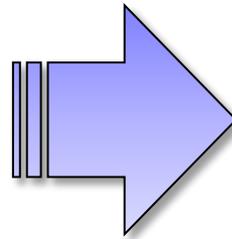
Staffing Estimates; Units & Clarifications



DID Benefit – Format 5 Reduction



Current Format 5 language can create burdensome variance reporting



New language intended to reduce burden and focus on the significant risks to the program



Format 5

▶ Major Changes:

– Top 15 WBS approach to Variance Analysis

- Allowed for Government Selection or a defined contractor process that covers all aspects (current, cumulative and at-complete)
- Allowed contractor or government to temporarily increase the number of reported variances to cover emerging trends

– Linked Formats 1-4 and 6 discussions to format 5

- Significant Format 6 changes. Require SRA, Health Assessment and drivers as applicable be put into the Format 5

– Requirement to reconcile best/worst/most likely EAC

▶ Other Information

– Contractor format for delivery

– Delivered with the monthly Formats 1-4, & 6



Format 6

▶ Major Changes:

- Defined minimum level of subcontractor integration in Prime IMS
- Definition of Schedule Margin & SVTs included
- Required disclosing of justification for Leads, Lags and most constraints.
- Defined minimum fields in IMS
 - Some were part of 2005 DID with additions
 - Definitions updated/clarified in various cases
 - Can be provided in the IMS with any method that allows for Govt sorting and filtering.
- Expanded when SRA is required and how it is reported

▶ Other Information

- IMS required monthly to the PMO & EVM-CR for ACAT I's



Format 6

▶ Other Information Continued

- Consistency with Format 1 Addressed; included “The WBS numbering system in the IMS must be consistent with the Format 1 structure.”
- Schedule Margin defined as allowed before program events
- Critical & Driving Paths
 - Included definition that tasks with “0” or negative total float are not by default the critical path.
 - Driving path and interim milestones defined (not in 2005).
 - Excessive constraints and incomplete, incorrect, or overly constrained logic shall be avoided.
- Relationships & Float
 - All non-constrained discrete tasks/activities/milestones shall have at least one predecessor and successor, except the start and end of the program.



IMS Field List Comparison

Task Name	Start	Finish	Miles	% Compl	Dur	Early Start	Early Finish	Late Start	Late Finish	Baselin Start	Baselin Finish	Total Float	Free Float	Decess	ccesso	Contro lccoun	Min ldu	Max Rdur	Criti	Constraint Type	Constrain Date	Just Lag	Just Constr	Sub ID	OBS	Work P	EVT	WB	Driv Path
1 Sample Program	Mon 8/29/1	Je 12/17/1	No	0%	575 d	#####	#####	#####	#####	Mon 8/29/1	Tue 12/1	0 d	0 d				0 d	0 d	Yes	As Soon As Possible	NA								

Common in 2005 IMS DID & IPMR DID

- | | |
|--------------------|---|
| 1. Task Name | 12. Baseline Finish |
| 2. Start | 13. Total Float |
| 3. Finish | 14. Free Float |
| 4. Milestone | 15. Successors |
| 5. % Complete | 16. Predecessors |
| 6. Duration | 17. Control Account |
| 7. Early Start | 18. Minimum Rdur (Optimistic Duration) |
| 8. Early Finish | 19. Maximum Rdur (Pessimistic Duration) |
| 9. Late Start | 20. Critical Path |
| 10. Late Finish | 21. Constraint Type |
| 11. Baseline Start | 22. Constraint Date |

New To IPMR DID

1. Justify Lag
2. Justify Constraint
3. Sub ID
4. OBS
5. Work Package
6. EVT
7. WBS
8. Driving Path



Format 7

- ▶ Not part of 2005 IMS or CPR DID
 - Replaces need for wInsight historical file
 - Meets requirement for historical file for ACAT I Programs in the EVM-CR
 - Also provides time-phased BCWS, BCWP, ACWP, ETC from contract award to completion as applicable.
 - Must reconcile with Format 1 BAC and EAC for the same period.
 - Due as a minimum annually, at the same time in the month as the other formats.
 - At the same reporting level as Format I unless otherwise negotiated.
 - Supported by it's own DoD approved XML Schema and guideline.



IPMR Guide & CDRL

- ▶ Draft guide published to PARCA Website
 - Has tailoring guidance and amplification in certain areas, with examples.
 - Meant to supplement and clarify, but not change, the DID content.

- ▶ OSD IPMR CDRL being developed
 - Contains default positions for tailorable items
 - Services may also have draft CDRLs that contain service level issue tailoring items.



References

1. PARCA Website: <http://www.acq.osd.mil/parca/>
2. PARCA EVM Website: <http://www.acq.osd.mil/evm/>
3. PARCA EVM Issue & Interpretation: <http://www.acq.osd.mil/evm/ir/index.shtml>
4. EVM-CR Website: <http://dcarc.cape.osd.mil/EVM/EVMOverview.aspx>
5. DAU EVM Community Of Practice (COP) Website:
<https://dap.dau.mil/cop/evm/Pages/default.aspx>
6. DCMA EVMS Standard Surveillance Instruction (SSI):
<http://guidebook.dcma.mil/79/index.cfm>
7. DFARS
 - Notice of Earned Value Management System (Apr 2008):
<http://www.acq.osd.mil/dpap/dars/dfars/html/current/252234.htm#252.234-7001>
 - Earned Value Management System (May 2011):
<http://www.acq.osd.mil/dpap/dars/dfars/html/current/252234.htm#252.234-7002>
 - Contractor Business Systems (May 2011):
<http://www.acq.osd.mil/dpap/dars/dfars/html/current/252242.htm#252.242-7005>
8. IPMR: https://assist.dla.mil/quicksearch/basic_profile.cfm?ident_number=278901



IPMR BACKUP SLIDES



Format 1

▶ Major Changes:

- Format form is unchanged
- WBS reporting level tied to 881C as starting point

▶ Other Information

- AUW/UB/MR
 - Can never be negative
 - Require de-scope to be reported in Format 5 until removed from the time-phased PMB.
 - Clarified MR and scope issue
- Added options to G&A and COM reporting to reconcile with DCARC requirements
- Removed WBS and CCDR linkage



Format 1

▶ Other Information Continued

– EACs

- Best Case most favorable conditions. Not linked to official Ktr position
- Worst Case least favorable conditions.
- Best Case most likely and official contractor position. Supersedes the column 15 LRE.
- Difference in assumptions between EACs including column 15 must be discussed in Format 5.

– OTB/OTS and Reprogramming Guidance provided

– G&A and COM add/non-add and may be specified by the Government

– Negotiated Cost – Definitized changes only



Format 2

▶ Major Changes:

- Format form is unchanged
- Format 2 OBS not required to match Format 4 reporting

▶ Other Information

- Format 2 required by OBS instead of WBS
- Include subcontractors and material if applicable; can be non-add
- Linked discussions of elements between Formats 1 and 2
- UB & MR match Format 1



Format 3

- ▶ Major Changes:
 - Format form is changed; un-greyed baseline changes section

- ▶ Other Information
 - Provides insight into changes to baseline going forward
 - Provide discussions of changes to Format 5
 - Still contains projected finish date and variances but information clarified



Format 4

- ▶ Major Changes:
 - Format form is unchanged
 - Format 4 OBS not required to match Format 2 reporting

- ▶ Other Information
 - Staffing information can be in hours or EQH
 - Major profile changes to be explained in Format 5



Format 5

▶ Other Information

– Report structure is defined in the following order:

- 1) Contract Summary - Significant changes that could impact technical, schedule, or cost objectives.
- 2) Formal Reprogramming Analysis - Discuss the Authorization, Reason, Mechanics implemented
- 3) EAC Analysis - Explain the assumptions, methodologies between Best/Worst/ and Most Likely EACs
- 4) UB Analysis - Explain the content of the UB balance and changes within the reporting period
- 5) MR Analysis - Explain the sources and uses of MR changes and the WBS elements allocated as applicable.



Format 5

► Other Information

– Report structure is defined in the following order:

6) IMS Discussion –

- Top 3 Critical and Top 3 Driving Paths
- Total Contract Baseline Variance
- Changes between the Baseline and Forecast duration of Schedule Margin
- Changes to the Task Activity Codes or Data Dictionary
- Internal Schedule Health Analysis results

7) Format 3 Discussions - Significant changes, phasing, or totals

8) Format 4 Discussions - Significant changes, phasing, or totals

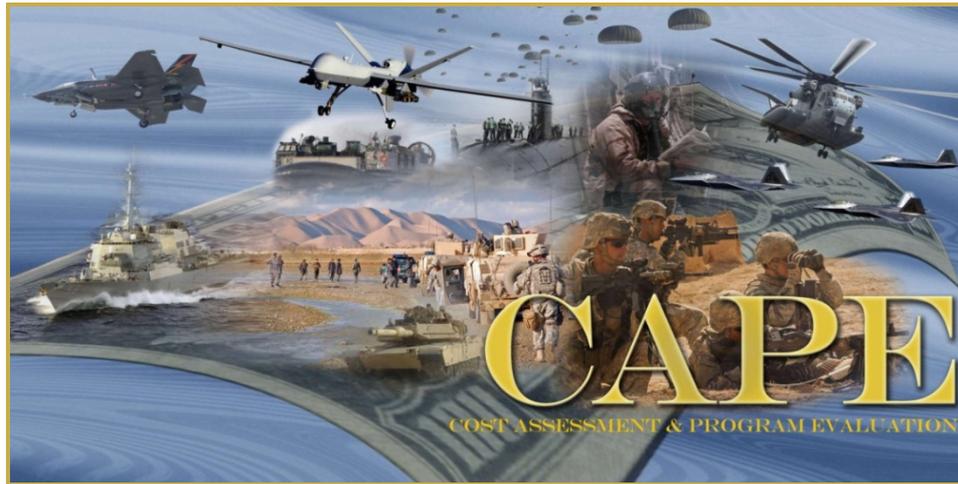
9) Cost and Schedule Variance Analysis

10) Supplemental Discussions.

- IBR Dates completed or proposed in next 6 months
- Schedule Risk Assessment (SRA) results in past month
- Assumptions, results, actions, and impact on EAC.
- Contractual De-scopes, if any. Discuss how th de-scope is reported.
- G&A and COM Specify if cost are included or are reference.

DCARC CSDR Training

Contractor Sustainment Reporting





Why Sustainment Reporting?

OSD CAPE

- The 2008 update of DODI 5000.02 mandates that reports of sustainment contractors' costs be collected within the CSDR system
- WSARA 2009 – reiterates mandated O&S reporting for MDAPs
 - Section 304 of the Act:
 - Identify the original O&S cost estimates for selected MDAPS
 - Assess the actual O&S costs, the rate of growth and the cost drivers
 - Cannot be done without visibility into Contractor Sustainment
- Requirement for annual CAPE report to Congress on O&S costs
- Language in 2012 Defense Appropriation Bill



Why 1921-4?

OSD CAPE

- Existing sustainment 1921s are a variety of data reporting structures
 - MIL-HDBK-881A based
 - O&S data reporting structure based
 - Combination
- Attempted to add sustainment appendix to MIL-STD-881C, but it was not included in final version.
- CAPE O&S Estimating Guide currently in revision
- 1921-4 is a means of obtaining sustainment data in a consistent format.



Initial Implementation Assumptions (subject to change)

OSD CAPE

- Current threshold \$50M; may be revised upward as needed
- Applicable to all new contracts or contract mods
- Not intended to be applied retroactively (future, not historical, data)
- Variants, major FMS sales reported separately
- Program Office has option to use both 1921 and 1921-4
 - 881C data reporting structure mapped as children under 1921-4 data reporting structure
- cPet software update in process; cPet compatible template will be used until new software rolled out.



1921-4 Form

OSD CAPE

SECURITY CLASSIFICATION Unclassified **CONTRACTOR SUSTAINMENT REPORT** *Form Approved OMB No. 0704-0188*

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, Information Management Division, 4800 Mark Center Drive, Alexandria, VA 22350-3100 (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.**

1. MAJOR PROGRAM a. NAME: b. PHASE/MILESTONE <input type="checkbox"/> Pre-A <input type="checkbox"/> B <input type="checkbox"/> C-LRIP <input type="checkbox"/> C-FRP <input type="checkbox"/> O&S		2. PRIME MISSION PRODUCT	3. REPORTING ORGANIZATION TYPE <input type="checkbox"/> PRIME / ASSOCIATE CONTRACTOR <input type="checkbox"/> DIRECT-REPORTING SUBCONTRACTOR <input type="checkbox"/> GOVERNMENT	4. NAME/ADDRESS (Include Zip Code) a. PERFORMING ORGANIZATION b. DIVISION	5. APPROVED PLAN NUMBER
6. CUSTOMER (Direct-Reporting Subcontractor Use Only)			7. TYPE ACTION a. CONTRACT NO.: b. LATEST MODIFICATION	c. SOLICITATION NO.: d. NAME:	e. TASK ORDER/DELIVERY ORDER/LOT NO.:
8. PERIOD OF PERFORMANCE a. START DATE (YYYYMMDD): b. END DATE (YYYYMMDD):		9. REPORT CYCLE <input type="checkbox"/> INITIAL <input type="checkbox"/> INTERM <input type="checkbox"/> FINAL	10. SUBMISSION NUMBER	11. RESUBMISSION NUMBER	12. REPORT AS OF (YYYYMMDD)
13. NAME (Last, First, Middle Initial)	14. DEPARTMENT	15. TELEPHONE NO. (Include Area Code)	16. EMAIL ADDRESS	17. DATE PREPARED (YYYYMMDD)	
18. WBS ELEMENT CODE	19. WBS REPORTING ELEMENT	20. QUANTITY OR TECHNICAL METRIC <input type="checkbox"/> QUANTITY a. TO DATE <input type="checkbox"/> TECHNICAL METRIC (Specify in Remarks) b. AT COMPLETION		21. APPROPRIATION <input type="checkbox"/> RD&E <input type="checkbox"/> PROCUREMENT <input type="checkbox"/> O&M	

Metadata
(Blocks 1-19, 21)

Quantity or Technical Metric -to Date -at Completion
(Block 20)

SUSTAINMENT COST ELEMENTS	COST INCURRED TO DATE (thousands of U.S. Dollars)			COST INCURRED AT COMPLETION (thousands of U.S. Dollars)			3. ELEMENT QUANTITY OR TECHNICAL METRIC
	A. NONRECURRING	B. RECURRING	C. TOTAL	D. NONRECURRING	E. RECURRING	F. TOTAL	
(1) 1.0 UNIT-LEVEL MANPOWER (SYSTEM LEVEL COST ONLY)							
(2) 1.1 OPERATIONS MANPOWER							
(3) 1.2 UNIT-LEVEL MAINTENANCE MANPOWER							
(4) 1.3 OTHER UNIT-LEVEL MANPOWER (Specify in Remarks)							
(5) 2.0 UNIT OPERATIONS (SYSTEM LEVEL COST ONLY)							
(6) 2.1 OPERATING MATERIAL							
(7) 2.1.1 ENERGY (Fuel; Petroleum, Oil, and Lubricants (POL); Electricity)							
(8) 2.1.2 TRAINING MUNITIONS/EXPENDABLE STORES							
(9) 2.1.3 OTHER OPERATING MATERIAL (Specify in Remarks)							
(10) 2.2 SUPPORT SERVICES (INCLUDING NON-MAINTENANCE FSRs)							
(11) 2.3 TEMPORARY DUTY							
(12) 3.0 MAINTENANCE							
(13) 3.1 OVERHAUL OF END ITEMS							
(14) 3.1.1 SCHEDULED OVERHAUL							
(15) 3.1.1.1 VEHICLE/PLATFORM OVERHAUL							
(16) 3.1.1.2 PROPULSION OVERHAUL							
(17) 3.1.1.3 OTHER OVERHAUL							
(18) 3.1.2 UNSCHEDULED OVERHAUL							
(19) 3.1.2.1 VEHICLE/PLATFORM OVERHAUL							
(20) 3.1.2.2 PROPULSION OVERHAUL							
(21) 3.1.2.3 OTHER OVERHAUL							
(22) 3.2 DEPOT LEVEL REPARABLES (DLR) / REPAIR OF REPARABLES (ROR)							
(23) 3.3 CONSUMABLES AND REPAIR PARTS							
(24) 3.4 OTHER MAINTENANCE SERVICES (INCLUDING FSRs) (Specify in Remarks)							
(25) 3.4.1 O-LEVEL MAINTENANCE SERVICES							
(26) 3.4.2 I-LEVEL MAINTENANCE SERVICES							
(27) 3.4.3 DEPOT LEVEL MAINTENANCE SERVICES							

Costs Incurred to Date
(Blocks A – C)

Costs Incurred at Completion
(Blocks D – F)

Element Quantity or Technical Metric (Block G)



1921-4 Form (Cont.)

OSD CAPE

(28) 3.5 PACKING, HANDLING, SHIPPING, AND TRANSPORTATION (PHS&T)								
(29) 4.0 SUSTAINING SUPPORT (SYSTEM LEVEL COST ONLY)								
(30) 4.1 SYSTEM SPECIFIC TRAINING								
(31) 4.1.1 OPERATOR TRAINING								
(32) 4.1.2 MAINTENANCE TRAINING								
(33) 4.1.3 OTHER TRAINING (Specify in Remarks)								
(34) 4.2 SUPPORT EQUIPMENT REPLACEMENT								
(35) 4.3 SUSTAINING/SYSTEMS ENGINEERING								
(36) 4.3.1 RELIABILITY AND MAINTAINABILITY ENGINEERING								
(37) 4.3.2 LOGISTICS ENGINEERING (LSA updates, logistics analysis)								
(38) 4.3.3 SUPPLY ANALYSIS EFFORTS								
(39) 4.3.4 SAFETY/HUMAN SYSTEMS INTEGRATION ENGINEERING								
(40) 4.3.5 AFFORDABILITY ENGINEERING								
(41) 4.3.6 OBSOLESCENCE ENGINEERING								
(42) 4.3.7 AVAILABILITY MANAGEMENT								
(43) 4.3.8 PRODUCT ENGINEERING SUPPORT								
(44) 4.3.9 INFORMATION ASSURANCE								
(45) 4.3.10 CONFIGURATION MANAGEMENT								
(46) 4.3.11 SYSTEM PERFORMANCE ANALYSIS								
(47) 4.3.12 SUPPLY								
(48) 4.3.13 DATA ANALYSIS								
(49) 4.3.14 PHYSICAL SECURITY								
(50) 4.4 PROGRAM MANAGEMENT								
(51) 4.4.1 CONTRACTOR LOGISTICS SUPPORT (CLS) MANAGEMENT								
(52) 4.4.2 CLS SUPPLY MANAGEMENT								
(53) 4.4.3 FINANCIAL/SCHEDULE PLANNING AND REPORTING								
(54) 4.4.4 TRANSITION TO LEAD SERVICE								
(55) 4.4.5 QUALITY ASSURANCE (Program Level)								
(56) 4.4.6 ADMINISTRATIVE SECURITY								
(57) 4.4.7 TRANSITION TO PERFORMANCE BASED LOGISTICS (PBL)								
(58) 4.4.8 RISK MITIGATION								
(59) 4.5 INFORMATION SYSTEMS								
(60) 4.5.1 TECH REFRESH								
(61) 4.5.2 LICENSE FEES								
(62) 4.5.3 MAINTENANCE								
(63) 4.6 DATA AND TECHNICAL PUBLICATIONS								
(64) 4.7 SIMULATOR OPERATIONS								
(65) 4.7.1 SIMULATOR OPERATIONS HARDWARE SUPPORT								
(66) 4.7.2 SIMULATOR OPERATIONS MANPOWER								
(67) 4.7.3 SIMULATOR TECH REFRESH								
(68) 4.8 OTHER SUSTAINING SUPPORT (Specify in Remarks)								
(69) 5.0 CONTINUING SYSTEM IMPROVEMENTS								
(70) 5.1 HARDWARE MODIFICATIONS OR MODERNIZATION								
(71) 5.1.1 MOD KIT DEVELOPMENT								
(72) 5.1.2 MOD KIT PROCUREMENT								
(73) 5.1.3 MOD KIT INITIAL SPARES								
(74) 5.1.4 MOD KIT INSTALLATION								
(75) 5.2 SOFTWARE MAINTENANCE OR MODIFICATION								
(76) 6.0 INSTALLATION AND PERSONNEL SUPPORT (SYSTEM LEVEL COST ONLY)								
(77) SUMMARY								
(78) TOTAL COST (Direct and Overhead)								

22. Remarks

DD FORM 1921-4 APR 2012

SECURITY CLASSIFICATION

Unclassified

Remarks
(Block 22)



Adding Additional Detail to 1921-4

OSD CAPE

- Optional: MIL-STD-881C can be used as structure to add additional detail
- Would simplify mapping from 1921 (if used), which is based on MIL-STD-881C
- Software should be included in 1921-4 Element 5.2

Items from MIL-STD-881C shaded in the following slides have retained their original index numbers to show their origin

In the 1921-4 plan, inserted child elements would align with 1921-4 numbering



Adding Additional Detail to 1921-4 Aircraft Example – Appendix A

OSD CAPE

	3.0 MAINTENANCE
	3.1 OVERHAUL OF END ITEMS
	3.1.1 SCHEDULED OVERHAUL
	3.1.1.1 VEHICLE/PLATFORM OVERHAUL
	1.1.1 Airframe
	1.1.3 Vehicle Subsystems
	1.1.4 Avionics
	1.1.5 Armament/Weapons Delivery
	1.1.6 Auxilliary Equipment
	1.1.7 Furnishings and Equipment
	1.1.9 Air Vehicle Integration, Assembly, Test and Checkout
Maps to 1.1.2 Propulsion	3.1.1.2 PROPULSION OVERHAUL
	3.1.1.3 OTHER OVERHAUL
	3.1.2 UNSCHEDULED OVERHAUL
	3.1.2.1 VEHICLE/PLATFORM OVERHAUL
	1.1.1 Airframe
	1.1.3 Vehicle Subsystems
	1.1.4 Avionics
	1.1.5 Armament/Weapons Delivery
	1.1.6 Auxilliary Equipment
	1.1.7 Furnishings and Equipment
	1.1.9 Air Vehicle Integration, Assembly, Test and Checkout
Maps to 1.1.2 Propulsion	3.1.2.2 PROPULSION OVERHAUL
	3.1.2.3 OTHER OVERHAUL



Adding Additional Detail to 1921-4 Aircraft Example – Appendix A

OSD CAPE

	3.2 DEPOT LEVEL REPARABLES (DLR) / REPAIR OF REPARABLES (ROR)
	Various Rows from 1921
Maps to 1.1.11 Spares and Repair Parts	3.3 CONSUMABLES AND REPAIR PARTS
	3.4 OTHER MAINTENANCE SERVICES (INCLUDING FSRs) (Specify in Remarks)
	3.4.1 O-LEVEL MAINTENANCE SERVICES
	3.4.2 I-LEVEL MAINTENANCE SERVICES
	3.4.3 DEPOT LEVEL MAINTENANCE SERVICES
	3.5 PACKING, HANDLING, SHIPPING, AND TRANSPORTATION (PHS&T)
	4.0 SUSTAINING SUPPORT (SYSTEM LEVEL COST ONLY)
Maps to 1.5 Training	4.1 SYSTEM SPECIFIC TRAINING
	4.1.1 OPERATOR TRAINING
	4.1.2 MAINTENANCE TRAINING
	4.1.3 OTHER TRAINING (Specify in Remarks)
	4.2 SUPPORT EQUIPMENT REPLACEMENT
	1.7 Peculiar Support Equipment
	1.8 Common Support Equipment
Maps to 1.2 Systems Engineering	4.3 SUSTAINING/SYSTEMS ENGINEERING
Maps to 1.3 Program Management	4.4 PROGRAM MANAGEMENT



Adding Additional Detail to 1921-4 Aircraft Example – Appendix A

OSD CAPE

	4.5 INFORMATION SYSTEMS
	4.5.1 TECH REFRESH
	4.5.2 LICENSE FEES
	4.5.3 MAINTENANCE
Maps to 1.6 Data	4.6 DATA AND TECHNICAL PUBLICATIONS
	4.7 SIMULATOR OPERATIONS
	4.7.1 SIMULATOR OPERATIONS HARDWARE SUPPORT
	4.7.2 SIMULATOR OPERATIONS MANPOWER
	4.7.3 SIMULATOR TECH REFRESH
	4.8 OTHER SUSTAINING SUPPORT (Specify in Remarks)
	5.0 CONTINUING SYSTEM IMPROVEMENTS
	5.1 HARDWARE MODIFICATIONS OR MODERNIZATION
	5.1.1 MOD KIT DEVELOPMENT
	5.1.2 MOD KIT PROCUREMENT
	5.1.3 MOD KIT INITIAL SPARES
	5.1.4 MOD KIT INSTALLATION
	5.2 SOFTWARE MAINTENANCE OR MODIFICATION
	1.1.8 Air Vehicle Software Release 1...n
	6.0 INSTALLATION AND PERSONNEL SUPPORT (SYSTEM LEVEL COST ONLY)
	1.9 Operational/Site Activation
	1.10 Industrial Facilities
	SUMMARY
	TOTAL COST (<i>Direct and Overhead</i>)



New 1921-4 Plans in Process

OSD CAPE

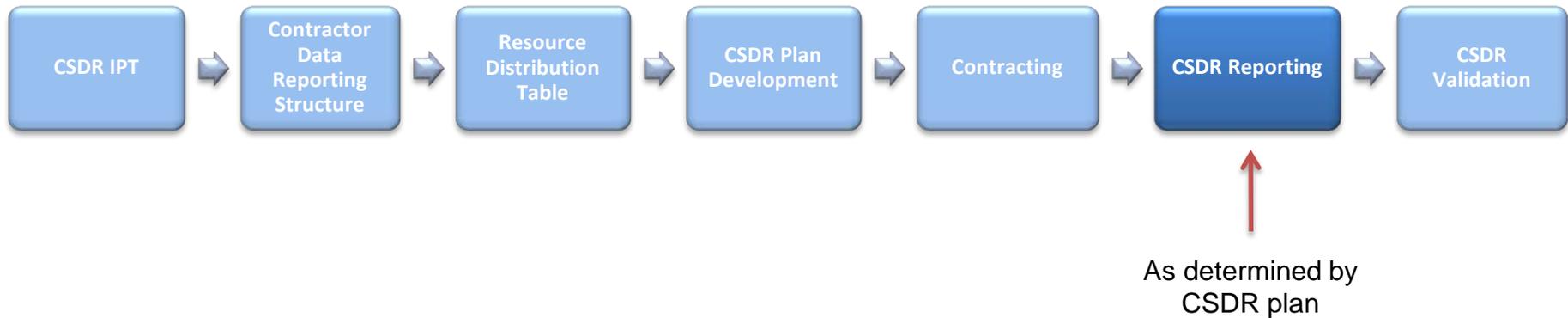
Program	Data Reporting Structure Format	1921-4	Subcontracts
C-17 Follow On	1921 O&S Format	In negotiations	Engines (?)
C-130J	1921-4	In negotiations	Engines (?)
F/A 18 E/F Follow On	1921 O&S Format	2014	Engines
F-22 Follow On	1921-4	In negotiations	Engines
Global Hawk	1921-4	In negotiations	TBD
Javelin	1921-4	In negotiations	Yes
MILSATCOM	Pre-RFP	Planned	TBD
USMC MVTR	1921-4	Yes	No
SBIRS	Pre-RFP	Planned	TBD
T-45 Trainers	881C Appendix A	Yes	TBD
V-22 Flight Test Sust/NVIA	1921-4	Yes	No

- 1921-4 Form was approved on April 1, 2012 and is now official and mandatory
- Insertion Point is either Major Contract Mod or New Contract



CSDR Reporting

OSD CAPE





CSDR Reporting

OSD CAPE



Contractor Cost Data Report

- Contractor Data Reporting Structure Dictionary
- Cost Data Summary Report
- Functional Cost Hour Report
- Progress Curve Report
- Contractor Business Data Report
- Contractor Sustainment Report

Software Resource Data Report

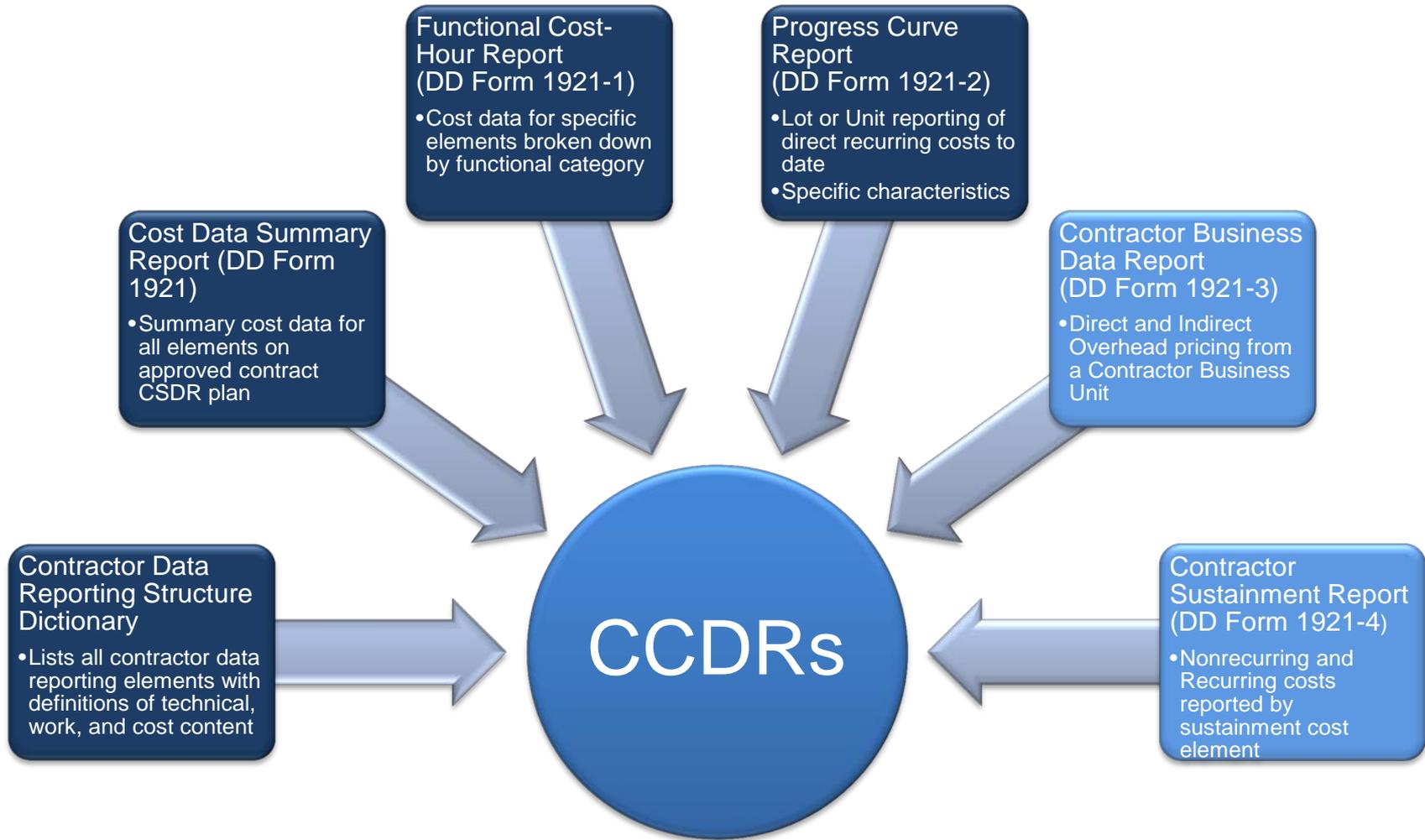
- Initial Developer Report
- Final Developer Report

Cost and Software Data Report



CCDR Reporting

OSD CAPE





SRDR Reporting

OSD CAPE

- Software Resource Data Reports (SRDRs)
 - Lists software size, effort, and schedule over the project life-cycle
 - Data reported is further explained in a data dictionary that is required with the submission
 - Initial Developer Report - due at the beginning of project increment (estimates)
 - Final Developer Report – due at the completion of project increment (actuals)





Data Item Descriptions (DIDs)

OSD CAPE

- Provide detailed instructions on how to complete CSDRs
- Can be found on the DCARC website at the following link:
<http://dcarc.cape.osd.mil/CSDR/FormsReporting.aspx#DIDs>
- The correct DID version for a report can be found in the contract CDRLs

DIDs should always be used when creating Cost and Software Data Reports



Contractor Data Reporting Structure Dictionary

OSD CAPE

- Provides definitions unique to the firm's effort that describe technical, cost, and work content for each contractor data reporting structure element
- Shall be reflected in an electronic report that consists of two parts:
 - Contractor Data Reporting Structure Index
 - Contractor Data Reporting Structure Dictionary



Contractor Data Reporting Structure Index

OSD CAPE

- Includes complete contractor data reporting structure from approved contract CSDR plan
- Must provide for each element, including elements marked as N/A:
 - Element Code
 - Element Level
 - Element Name
- Should also contain:
 - Program name
 - Contract number
 - Approved contract CSDR plan number
 - Date of content in dictionary
 - POC information for employee responsible for corrections (Name, Phone Number, Email)



Contractor Data Reporting Structure Index Example

OSD CAPE

Element Level

Contract Work Breakdown Structure Index	Program: Vector Surface to Air Interceptor		RFP No: XXXX	Contract Plan No.: A-10-X-C1		
			Contract No: DAAE07-XX-E-0001	Date: 9/26/2012		
Point of Contact: Erin Bell, (310) 555-9461, ebell@company.com						
CWBS Code	CWBS ELEMENT					CWBS ELEMENT NAME
	LEVEL					
	1	2	3	4	5	
1.0	X					Vector Surface to Air Interceptor
1.1		X				Air Vehicle
1.1.1			X			Airframe
1.1.2			X			Propulsion Subsystem
1.1.3			X			Power and Distribution
1.1.4			X			Guidance
1.1.4.1				X		Guidance Integration, Assembly, Test and Checkout
1.1.4.2				X		Dome Assembly
1.1.4.3				X		Seeker Assemblies
1.1.4.4				X		Guidance Software Release
1.1.4.5				X		Other Guidance Subsystems
1.1.5			X			Navigation
1.1.6			X			Controls
1.1.7			X			Communications
1.1.8			X			Payload
1.1.9			X			Reentry System
1.1.10			X			Post Boost System
1.1.11			X			Ordnance Initiation Set
1.1.12			X			On Board Test Equipment
1.1.13			X			On Board Training Equipment
1.1.14			X			Auxiliary Equipment
1.1.15			X			Air Vehicle Software Release
1.1.16			X			Air Vehicle Integration, Assembly, Test and Checkout
1.2		X				Encasement Device
1.3		X				Command and Launch
1.3.1			X			Command and Launch Integration, Assembly, Test and Checkout
1.3.2			X			Surveillance, Identification and Tracking Sensors
1.3.3			X			Launch and Guidance Control
1.3.4			X			Communications

Element Code

Element Name

Element Code, Level, and Name must correspond exactly to Contractor Data Reporting Structure on approved contract CSDR plan



Contractor Data Reporting Structure Dictionary

OSD CAPE

- The Contractor Data Reporting Structure Dictionary is a living document that is developed and maintained by the contractor
- Key Characteristics
 - Lists and uniquely defines all elements from the CSDR plan
 - Revised throughout the program to reflect all statement of work changes
 - Submitted no more frequently than cost report submissions
 - The format provided in the DID is the preferred format, unless otherwise stated in contractor CDRLs
 - Current Dictionary DID: DI-MGMT-81334D



Contractor Data Reporting Structure Dictionary Example

OSD CAPE

Element Names

Contract Work Breakdown Structure Dictionary		Program: Vector Surface to Air Interceptor	RFP No: XXXXX	Contract Plan No.: A-10-X-C1
			Contract No: DAAE07-XX-E-0001	Date: 9/26/2012
			Point of Contact: Erin Bell, (310) 555-9461, ebell@company.com	
CWBS ELEMENT NAME		CWBS DEFINITION		
1.0	Vector Surface to Air Interceptor	This WBS element includes the cost of the Vector missile All Up Round (AUR) in addition to the cost of the common WBS elements. The Vector missile is an Army Surface-to-Air interceptor missile providing 360 degree coverage for the air defense mission of forward deployed forces. It is a Single-stage, short-range, low to high-altitude theater missile defense system that utilizes advanced guidance and control technologies including an advanced active RF seeker to extend the range of engagement beyond current and projected threats. This WBS element reports the total development or production cost, whichever is applicable to the instant contract, of the All Up Round (AUR) through the cost for the common WBS elements. WBS elements 1.1 Air Vehicle and 1.2 Command and Launch are the two child WBS elements that capture the cost of the product, while WBS elements 1.3 through 1.1.1 capture the cost of the "common elements".		
1.1	Air Vehicle	This element refers to the means for delivering the destructive effect to the target, including the capability to generate or receive intelligence to navigate and penetrate to the target area and to detonate the warhead. This element includes the design, development, and production of complete units (prototype and operationally configured units, which satisfy the requirement of their applicable specifications) regardless of their use. This WBS element has eleven children WBS elements. The government CWIPT has required, through the use of a CA-approved Plan for the Vector Missile, that WBS element 1.1.6 Guidance and Control will contain two child WBS elements, each one containing a low or levels of WBS indenture in order to capture the cost of the specific cost driving elements within the G&C element.		
1.1.1	Airframe	The air frame consists of a three-piece composite shell, internal metallic and composite bulkheads. The upper portion of the shell appears similar to an upside-down canoe and is constructed of sandwich composite panels stiffened with foam cores. Two covers close out the bottom of the vehicle and are constructed similarly to the upper shell. Attached to the forward cover are the window, and IR Seeker. This cover also covers the wing carry-through and structurally joins with the inlet duct. The aft cover covers the propulsion bay. Bulkheads consist of an avionics bulkhead, a superframe assembly and an engine/tail frame. The bulkheads provide body stiffness. The avionics bulkhead is made of carbon/epoxy composite materials, while the superframe and engine tail frames are constructed from metallic materials.		
1.1.2	Propulsion Subsystem	The propulsion system incorporates the X-5231 engine. The engine is started by firing the initiator by command by the Missile Control Unit. The initiator is connected to the engine 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.		

Element Codes

Technical, Work, and Cost Content Definitions



Contractor Data Reporting Structure Dictionary Definitions

OSD CAPE

- Definitions must provide complete descriptions of technical, cost, and work content for each element
 - Technical definitions must include what the item is, what it does within the system, and how it is physically defined
 - Cost definitions must include explanations of the recurring vs. nonrecurring efforts and characterization by functional category
 - Work definitions must describe the activities performed and if work was performed by the reporting contractor or a subcontractor/supplier



CCDR Data Comparison

OSD CAPE

DD Form 1921

All elements reported

Nonrecurring and Recurring costs for all elements

Contract Totals

G&A, Undistributed Budget, Management Reserve, Facilities Capital Cost of Money, and Profit/Fee

Number of Units for all hardware elements

DD Form 1921-1

Select elements reported

Nonrecurring and Recurring cost breakout

Detailed breakout of all resource data: Labor, material, and overhead dollars; labor hours

Reporting by all functions: Engineering, Tooling, Quality Control, and Manufacturing

DD Form 1921-2

Select elements reported by Unit or Lot

Technical Characteristics

Direct Recurring Costs to Date

Detailed breakout of direct costs

Reporting by all functions: Engineering, Tooling, Quality Control, and Manufacturing

Cost Data Summary Report (DD Form 1921)

OSD CAPE

- Key Characteristics
 - Contract level report
 - Lists all elements from the CSDR plan
 - Provides:
 - To Date and At Completion nonrecurring and recurring cost data
 - G&A, UB, MR, FCCM and Profit/Fee
 - To Date and At Completion number of units for all hardware elements
 - Initial, Interim, and Final submissions due at pre-determined intervals according to approved plan
 - The DD Form 1921 is a standard form that cannot be altered by the contractor:
(<http://dcarc.cape.osd.mil/CSDR/FormsReporting.aspx#DIDs>)
 - The 1921 report must be submitted as one Microsoft Excel workbook
 - Current 1921 DID: DI-FNCL-81565C



Cost Data Summary Report (DD Form 1921)

UNCLASSIFIED

OSD CAPE

SECURITY CLASSIFICATION Unclassified

COST DATA SUMMARY REPORT

Form Approved
OMB No. 0704-0188

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.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE ABOVE ORGANIZATION.

1. MAJOR PROGRAM a. NAME: _____

b. PHASE/MILESTONE: Pre-A B C-LRP C-FRP O&S

2. PRIME MISSION PRODUCT: _____

3. REPORTING ORGANIZATION TYPE: PRIME / ASSOCIATE CONTRACTOR DIRECT-REPORTING SUBCONTRACTOR GOVERNMENT

4. NAME/ADDRESS (Include ZIP Code): _____
a. PERFORMING ORGANIZATION: _____ b. DIVISION: _____

5. APPROVED PLAN NUMBER: _____

6. CUSTOMER (Direct-reporting subcontractor use only): _____

7. CONTRACT TYPE: _____

8. CONTRACT PRICE: _____

9. CONTRACT CEILING: _____

10. TYPE ACTION: a. CONTRACT NO.: _____ b. LATEST MODIFICATION: _____
c. SOLICITATION NO.: _____ d. NAME: _____ e. TASK ORDER/DELIVERY ORDER/LOT NO.: _____

11. PERIOD OF PERFORMANCE: a. START DATE (YYYYMMDD): _____ b. END DATE (YYYYMMDD): _____

12. APPROPRIATION: RD&E PROCUREMENT O&M

13. REPORT CYCLE: INITIAL INTERM FINAL

14. SUBMISSION NUMBER: _____

15. RESUBMISSION NUMBER: _____

16. REPORT AS OF (YYYYMMDD): _____

17. NAME (Last, First, Middle Initial): _____

18. DEPARTMENT: _____

19. TELEPHONE NUMBER (Include Area Code): _____

20. EMAIL ADDRESS: _____

21. DATE PREPARED (YYYYMMDD): _____

WBS ELEMENT CODE A	WBS REPORTING ELEMENTS B	NUMBER OF UNITS TO DATE C	COSTS INCURRED TO DATE (thousands of U.S. Dollars)			NUMBER OF UNITS AT COMPLETION G	COSTS INCURRED AT COMPLETION (thousands of U.S. Dollars)		
			NONRECURRING D	RECURRING E	TOTAL F		NONRECURRING H	RECURRING I	TOTAL J

22. REMARKS: _____

DD FORM 1921, 20110518 PREVIOUS EDITION IS OBSOLETE. SECURITY CLASSIFICATION Unclassified

Metadata
(Blocks 1 -21)

Element Codes and Reporting Elements
(Blocks A and B)

Remarks
(Block 22)

At Completion:
Number of Units (Block G) and Costs Incurred (Blocks H-J)

To Date:
Number of Units (Block C) and Costs Incurred (Blocks D-F)

UNCLASSIFIED



Functional Cost-Hour Report (DD Form 1921-1)

OSD CAPE

- Key Characteristics:
 - Submitted for specific elements per the CSDR plan
 - Provides:
 - To Date and At Completion nonrecurring and recurring cost and hours data
 - Breakout of data into four functional labor categories
 - Breakout of data into direct labor hours, direct labor dollars, overhead, and material dollars
 - Price of direct-reporting subcontractors
 - Reported costs do not include costs of summary elements from 1921 (G&A, MR, UB, FCCM, Profit/Fee)
 - Initial, Interim, and Final submissions due at pre-determined intervals from the approved plan
 - The DD Form 1921-1 is a standard form that cannot be altered by the contractor: (<http://dcarc.cape.osd.mil/CSDR/FormsReporting.aspx#DIDs>)
 - The 1921-1 reports must be submitted as one Microsoft Excel workbook with separate tabs for each report.
 - Current 1921-1 DID: DI-FNCL-81566C



Functional Cost-Hour Report (DD Form 1921-1)

UNCLASSIFIED

OSD CAPE

FUNCTIONAL DATA ELEMENTS		COSTS AND HOURS INCURRED TO DATE (thousands of U.S. Dollars or thousands of hours)			COSTS AND HOURS INCURRED AT COMPLETION (thousands of U.S. Dollars or thousands of hours)		
		A. NONRECURRING	B. RECURRING	C. TOTAL	D. NONRECURRING	E. RECURRING	F. TOTAL
ENGINEERING							
(1) DIRECT ENGINEERING LABOR HOURS							
(2) DIRECT ENGINEERING LABOR DOLLARS							
(3) ENGINEERING OVERHEAD DOLLARS							
(4) TOTAL ENGINEERING DOLLARS							
MANUFACTURING OPERATIONS							
(5) DIRECT TOOLING LABOR HOURS							
(6) DIRECT TOOLING LABOR DOLLARS							
(7) DIRECT TOOLING & EQUIPMENT DOLLARS							
(8) DIRECT QUALITY CONTROL LABOR HOURS							
(9) DIRECT QUALITY CONTROL LABOR DOLLARS							
(10) DIRECT MANUFACTURING LABOR HOURS							
(11) DIRECT MANUFACTURING LABOR DOLLARS							
(12) MANUFACTURING OPERATIONS OVERHEAD DOLLARS (Including Tooling and Quality)							
(13) TOTAL MANUFACTURING OPERATIONS DOLLARS (Sum of rows 6, 7, 9, 11, and 12)							
MATERIALS							
(14) RAW MATERIAL DOLLARS							
(15) PURCHASED PARTS DOLLARS							
(16) PURCHASED EQUIPMENT DOLLARS							
(17) MATERIAL HANDLING OVERHEAD DOLLARS							
(18) TOTAL DIRECT-REPORTING SUBCONTRACTOR DOLLARS							
(19) TOTAL MATERIAL DOLLARS							
OTHER COSTS							
(20) OTHER COSTS NOT SHOWN ELSEWHERE (Specify in Remarks)							
SUMMARY							
(21) TOTAL COST (Direct and Overhead)							
22. REMARKS							

Metadata
(Blocks 1 – 19,
21)

Number of
Units
-to Date
-at Completion
(Block 20)

Remarks
(Block 22)

Costs and Hours Incurred
to Date (Blocks A - C)

Costs and Hours
Incurred at Completion (Blocks D - F)

UNCLASSIFIED



Functional Data Element Examples

OSD CAPE

Functional Data Element		Cost and Hours	
		Nonrecurring	Recurring
Engineering		<ul style="list-style-type: none"> • Study, analysis, design • Preparation of specifications, drawings, parts lists, and wiring diagrams • Determination and specification of requirements for reliability and maintainability 	<ul style="list-style-type: none"> • Sustaining engineering • Maintenance and updating of drawings and data • Continuous support of the fabrication, assembly, and test • Continuous support during delivery of contract end items
Manufacturing Operations	Tooling	<ul style="list-style-type: none"> • Design and development of basic tooling through its initial release • Includes jigs, dies, fixtures, molds, patterns, and special gauges replacement of basic tooling • Sometimes called Special Tools - their use is limited to the needs of the customer 	<ul style="list-style-type: none"> • Sustaining tooling that involves the maintenance, repair, modification, and/or restoration of a tool to its original condition
	Quality Control	<ul style="list-style-type: none"> • Planning of inspection methods 	<ul style="list-style-type: none"> • Check, physically inspect, measure, and test the product
	Manufacturing	<ul style="list-style-type: none"> • Initial setup and design of manufacturing environment and processes 	<ul style="list-style-type: none"> • Fabrication, assembly, and functional testing of a product or end item • Convert a raw material into finished items
Materials		<ul style="list-style-type: none"> • Direct costs for raw materials, purchased parts, purchased equipment, and direct-reporting subcontracts, as well as indirect costs for material handling/overhead 	
Other Costs		<ul style="list-style-type: none"> • Other direct costs, security, royalty, license fees, transportation, preservation, packaging, and applicable Federal excise tax 	



Progress Curve Report (DD Form 1921-2)

OSD CAPE

- Key Characteristics:
 - Detailed resource data for select hardware reporting elements
 - Provides:
 - Direct Recurring Costs and Hours To Date, exclusive of Overhead
 - Breakout of Costs and Hours into four Functional Data Categories
 - Breakout of Costs and Hours by Unit or Lot
 - Price of Direct-Reporting Subcontractor effort
 - Key Characteristics (e.g., Weight, Speed, Power) for each Unit/Lot
 - Used for modeling learning curves and projecting future units
 - Initial, Interim, and Final submissions due at pre-determined intervals from the approved plan
 - The DD Form 1921-2 can be altered by the contractor to accommodate additional Characteristics and Units/Lots: (<http://dcarc.cape.osd.mil/CSDR/FormsReporting.aspx#DIDs>)
 - The 1921-2 reports must be submitted as one Microsoft Excel workbook with separate tabs for each report
 - Current 1921-2 DID: DI-FNCL-81567C



Progress Curve Report (DD Form 1921-2)

OSD CAPE

Metadata
(Blocks 1 – 21)

SECURITY CLASSIFICATION: Unclassified

PROGRESS CURVE REPORT

Form Approved
OMB No. 0704-0188

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.**

1. MAJOR PROGRAM a. NAME: PHASE/MILESTONE <input type="checkbox"/> Pre-A <input type="checkbox"/> B <input type="checkbox"/> C-FRP <input type="checkbox"/> C-LRIP		2. PRIME MISSION PRODUCT	3. REPORTING ORGANIZATION TYPE <input type="checkbox"/> PRIME / ASSOCIATE CONTRACTOR <input type="checkbox"/> DIRECT-REPORTING SUBCONTRACTOR <input type="checkbox"/> GOVERNMENT		4. NAME/ADDRESS (Include ZIP Code) a. PERFORMING ORGANIZATION b. DIVISION						
5. APPROVED PLAN NUMBER		6. CUSTOMER (Direct-Reporting Subcontractor Use Only)		7. TYPE ACTION a. CONTRACT NO.: b. LATEST MODIFICATION c. SOLICITATION NO.: d. NAME: e. TASK ORDER/DELIVERY ORDER/LOT NO.:							
8. PERIOD OF PERFORMANCE 8. START DATE (YYYYMMDD): 9. END DATE (YYYYMMDD):		9. REPORT CYCLE <input type="checkbox"/> INITIAL <input type="checkbox"/> INTERIM <input type="checkbox"/> FINAL		10. SUBMISSION NUMBER		11. RESUBMISSION NUMBER		12. REPORT AS OF (YYYYMMDD)			
3. NAME (Last, First, Middle Initial)				14. DEPARTMENT		15. TELEPHONE NO. (Include Area Code)		16. E-MAIL ADDRESS		17. DATE PREPARED (YYYYMMDD)	
8. WBS ELEMENT CODE		19. WBS REPORTING ELEMENT		20. UNITS/LOTS COMPLETED <input type="checkbox"/> UNIT TOTAL <input type="checkbox"/> LOT TOTAL		21. APPROPRIATION <input type="checkbox"/> RDT&E <input type="checkbox"/> PROCUREMENT <input type="checkbox"/> O&M					

Completed Units/Lots
(Blocks A1-An)

DATA ELEMENTS	A. COMPLETED UNITS/LOTS (thousands of U.S. Dollars or thousands of hours)				B. WORK IN PROCESS (WIP) (thousands of U.S. Dollars or thousands of hours)	C. TOTAL DIRECT COSTS AND HOURS INCURRED TO DATE (thousands of U.S. Dollars or thousands of hours)
	A1	A2	A3	A4		
(1) MODEL AND SERIES						
(2) FIRST UNIT						
(3) LAST UNIT						
(4) CONCURRENT UNITS/LOTS						
CHARACTERISTICS						
(5a) Weight						
(5b) Speed						
(5c) Power						
ENGINEERING (RECURRING ONLY)						
(6) DIRECT ENGINEERING LABOR HOURS						
(7) DIRECT ENGINEERING LABOR DOLLARS						
MANUFACTURING OPERATIONS (RECURRING ONLY)						
(8) DIRECT TOOLING LABOR HOURS						
(9) DIRECT TOOLING LABOR DOLLARS						
(10) DIRECT TOOLING & EQUIPMENT DOLLARS						
(11) DIRECT QUALITY CONTROL LABOR HOURS						
(12) DIRECT QUALITY CONTROL LABOR DOLLARS						
(13) DIRECT MANUFACTURING LABOR HOURS						
(14) DIRECT MANUFACTURING LABOR DOLLARS						
(15) TOTAL DIRECT MANUFACTURING OPERATIONS DOLLARS (Sum of rows 9, 10, 12, & 14)						
MATERIALS (RECURRING ONLY)						
(16) RAW MATERIALS DOLLARS						
(17) PURCHASED PARTS DOLLARS						
(18) PURCHASED EQUIPMENT DOLLARS						
(19) TOTAL DIRECT-REPORTING SUBCONTRACTOR DOLLARS						
(20) TOTAL DIRECT MATERIAL DOLLARS						
OTHER COSTS (RECURRING ONLY)						
(21) OTHER DIRECT COSTS NOT SHOWN ELSEWHERE (Specify in Remarks)						
SUMMARY (RECURRING ONLY)						
(22) TOTAL DIRECT COST						

**Completed Units + WIP = Total Costs Incurred to Date
(Sum of Blocks A1+ +An + Block B = Block C)**

Remarks
(Block 22)

DD FORM 1921-2, 20110518

PREVIOUS EDITION IS OBSOLETE. SECURITY CLASSIFICATION

Unclassified

Work In Process (Block B)

Total Direct Costs and Hours Incurred to Date (Block C)



1921-1 and 1921-2 Relationship

OSD CAPE

SECURITY CLASSIFICATION: Unclassified

FUNCTIONAL COST-HOUR REPORT

Form Approved
OMB No. 0704-0188

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.**

1. MAJOR PROGRAM a. NAME:
 b. PHASE/MILESTONE
 Pre-A B C-FRP O&S
 A C-LRP

2. PRIME MISSION PRODUCT
 PRIME / ASSOCIATE CONTRACTOR DIRECT-REPORTING SUBCONTRACTOR GOVERNMENT

3. REPORTING ORGANIZATION TYPE
 PRIME / ASSOCIATE CONTRACTOR DIRECT-REPORTING SUBCONTRACTOR GOVERNMENT

4. NAME/ADDRESS (Include Zip Code)
 a. PERFORMING ORGANIZATION b. DIVISION

5. APPROVED PLAN NUMBER

6. CUSTOMER (Direct-Reporting Subcontractor Use Only)

7. TYPE ACTION
 a. CONTRACT NO.: b. LATEST MODIFICATION: c. SOLICITATION NO.: d. NAME: e. TASK ORDER/DELIVERY ORDER/LOT NO.:

8. PERIOD OF PERFORMANCE
 a. START DATE (YYYYMMDD): b. END DATE (YYYYMMDD):

9. REPORT CYCLE
 INITIAL INTERIM FINAL

10. SUBMISSION NUMBER **11. RESUBMISSION NUMBER** **12. REPORT AS OF (YYYYMMDD)**

13. NAME (Last, First, Middle Initial) **14. DEPARTMENT** **15. TELEPHONE NO. (Include Area Code)** **16. EMAIL ADDRESS** **17. DATE PREPARED (YYYYMMDD)**

18. WBS ELEMENT CODE **19. WBS REPORTING ELEMENT** **20. NUMBER OF UNITS**
 a. TO DATE b. AT COMPLETION

21. APPROPRIATION
 RDT&E PROCUREMENT O&M

FUNCTIONAL DATA ELEMENTS	COSTS AND HOURS INCURRED TO DATE (thousands of U.S. Dollars or thousands of hours)			COSTS AND HOURS INCURRED AT COMPLETION (thousands of U.S. Dollars or thousands of hours)		
	A. NONRECURRING	B. RECURRING	C. TOTAL	D. NONRECURRING	E. RECURRING	F. TOTAL
ENGINEERING						
(1) DIRECT ENGINEERING LABOR HOURS						
(2) DIRECT ENGINEERING LABOR DOLLARS						
(3) ENGINEERING OVERHEAD DOLLARS						
(4) TOTAL ENGINEERING DOLLARS						
MANUFACTURING OPERATIONS						
(5) DIRECT TOOLING LABOR HOURS						
(6) DIRECT TOOLING LABOR DOLLARS						
(7) DIRECT TOOLING & EQUIPMENT DOLLARS						
(8) DIRECT QUALITY CONTROL LABOR HOURS						
(9) DIRECT QUALITY CONTROL LABOR DOLLARS						
(10) DIRECT MANUFACTURING LABOR HOURS						
(11) DIRECT MANUFACTURING LABOR DOLLARS						
(12) MANUFACTURING OPERATIONS OVERHEAD DOLLARS (Including Tooling and Quality)						
(13) TOTAL MANUFACTURING OPERATIONS DOLLARS (Sum of rows 6, 7, 9, 11, and 12)						
MATERIALS						
(14) RAW MATERIAL DOLLARS						
(15) PURCHASED PARTS DOLLARS						
(16) PURCHASED EQUIPMENT DOLLARS						
(17) MATERIAL HANDLING OVERHEAD DOLLARS						
(18) TOTAL DIRECT-REPORTING SUBCONTRACTOR DOLLARS						

SECURITY CLASSIFICATION: Unclassified

Form Approved
OMB No. 0704-0188

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.**

4. NAME/ADDRESS (Include Zip Code)
 a. PERFORMING ORGANIZATION b. DIVISION

e. TASK ORDER/DELIVERY ORDER/LOT NO.:

RESUBMISSION NUMBER **12. REPORT AS OF (YYYYMMDD)**

E-MAIL ADDRESS **17. DATE PREPARED (YYYYMMDD)**

21. APPROPRIATION
 RDT&E PROCUREMENT O&M

B. WORK IN PROCESS (WIP)
 (thousands of U.S. Dollars or thousands of hours)

C. TOTAL DIRECT COSTS AND HOURS INCURRED TO DATE
 (thousands of U.S. Dollars or thousands of hours)

A4

Direct Costs and Hours Incurred to Date from Block B of the 1921-1 report correspond to Block C of the 1921-2 report for each respective element



Contractor Business Data Report (DD Form 1921-3)

OSD CAPE

- Annual report designed to facilitate overhead cost analysis per FPR unit
- Includes specific overhead information on all MDAP Program government contracts plus other government and commercial business per FPR unit
 - Actual direct and indirect cost data on Government contracts for current and prior years
 - Proposed direct and indirect cost data for future fiscal years
- The DD Form 1921-3 cannot be altered by the contractor:
(<http://dcarc.cape.osd.mil/CSDR/FormsReporting.aspx#DIDs>)
- Current 1921-3 DID: DI-FNCL-81765B



1921-3 Implementation

OSD CAPE

- All new contracts issued after April 2, 2009 contain DD 1921-3 requirement in Block 13 of the CSDR plan, with requirement described in Block 15
- FPR data **cannot** be submitted in lieu of the 1921-3 report
- Must be submitted as one file with separate tabs for prior, current, and future years in one Microsoft Excel workbook



DD Form 1921-3 Page One

OSD CAPE

SECURITY CLASSIFICATION _____

CONTRACTOR BUSINESS DATA REPORT

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 30 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, Information Management Division, 1155 Defense Pentagon, Washington, DC 20301-1155 (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.**

1. CONTRACTOR NAME/ADDRESS (Include Zip Code) _____

2. FPR UNIT _____

3. IMPLEMENTING CONTRACT NUMBER _____

4. DATA PERIOD (X one)
 _____ Prior Year
 _____ Current Year
 _____ Future Year

5. FISCAL YEAR (YYYY) _____

6. DATES IN FISCAL YEAR (YYYYMMDD)
 Start Date: _____
 End Date: _____

7. PREPARER'S NAME (Last, First, Middle Initial) _____

8. DEPARTMENT _____

9. TELEPHONE NO. (Include Area Code) _____

10. EMAIL ADDRESS _____

11. DATE PREPARED (YYYYMMDD) _____

Overhead Accumulation, Distribution, and Application

DIRECT COST BY PROGRAM					DIRECT: COST / HOURS / MANPOWER (Report dollars and hours in thousands)										
Program Name a	A/F	Contract Number b	Equivalent Units c	Buyer d	Engineering			Manufacturing Operations			Materials	Other			
					Workers e	Dollars f	Hours g	Workers h	Dollars i	Hours j	Dollars k	Workers l	Dollars m	Hours n	
1.															
2.															
3.															
4.															
5.															
6.															
7.															
8.															
9.															
10.															
11. Other DoD Effort															
12. Other Government Effort															
13. Commercial Effort															
14. Total Direct Cost and Hours Base						\$0.0	0.0		\$0.0	0.0	\$0.0		\$0.0	0.0	
15. Total Direct Workers															

INDIRECT COST CATEGORY				INDIRECT: COST / HOURS / MANPOWER (Report dollars and hours in thousands)										
	Engineering			Manufacturing Operations			Materials	Other			G&A			
	Workers o	Dollars p	Hours q	Workers r	Dollars s	Hours t	Dollars u	Workers v	Dollars w	Hours x	Dollars y	Hours z		
15. Indirect Labor														
16. Employee Benefits														
17. Payroll Taxes														
18. Employment														
19. Communication/Travel														
20. Production Related														
21. Facilities-Building/Land														
22. Facilities-Furniture/Equipment														
23. Administration														
24. Future Business														
25. Other Miscellaneous														
26. Credits														
27. Total Indirect Cost and Hours		\$0.0	0.0		\$0.0	0.0	\$0.0		\$0.0	0.0	\$0.0	0.0		
28. Total G&A Cost and Hours											\$0.0	0.0		
29. Indirect/Direct Cost Rate		0.00%			0.00%		0.00%		0.00%					
30. G&A Rate/(Direct + Indirect)											0.00%			

Metadata

Direct Cost by Program (Section A)

Indirect Cost Categories (Section B)



DD Form 1921-3 Page Two

OSD CAPE

SECURITY CLASSIFICATION _____

CONTRACTOR BUSINESS DATA REPORT - PAGE 2

SECTION C	PRODUCTION CAPACITY		Current Year		Method of Calculating "FPR unit % of Full Production Capacity"																
	FPR Unit % of Full Production Capacity																				
	Number of Shifts																				
SECTION D	Current Year (Report hours in thousands)																	Prior Year	Year	Year	
	DIRECT LABOR RATES (FUNCTIONAL CATEGORIES)		1st Quarter				2nd Quarter				3rd Quarter				4th Quarter				Basic Rate\$	Basic Rate\$	Basic Rate\$
	Workers	Hours	Basic Rate\$	Effective Rate\$	Workers	Hours	Basic Rate\$	Effective Rate\$	Workers	Hours	Basic Rate\$	Effective Rate\$	Workers	Hours	Basic Rate\$	Effective Rate\$	Basic Rate\$	Basic Rate\$			
	1. Engineering - Direct Labor																				
	2. Manufacturing Operations - Direct Labor																				
	a. Tooling - Direct Labor																				
b. Quality Control - Direct Labor																					
c. Manufacturing - Direct Labor																					
SECTION E	Total FPR Unit Revenue (Sales) (thousands of dollars)		Prior Year		Current Year																
SECTION F	Organizational Changes (For Each Year Reported)								Accounting Changes (For Each Year Reported)												
REMARKS																					

Facility-wide Specifics (Section C)

Direct Labor Rates (Section D)

Total Sales (Section E)

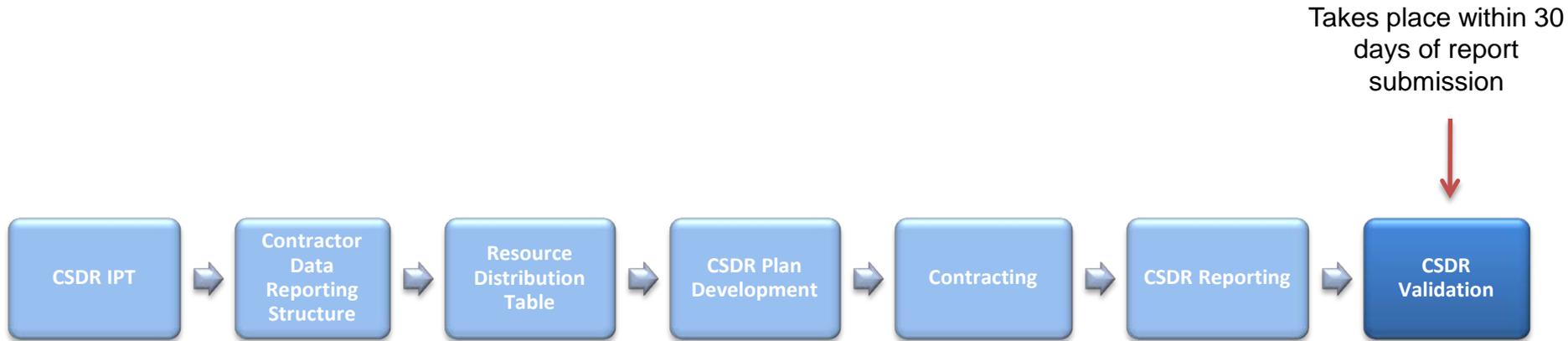
Organizational & Accounting Changes (Section F)

Remarks



CSDR Validation

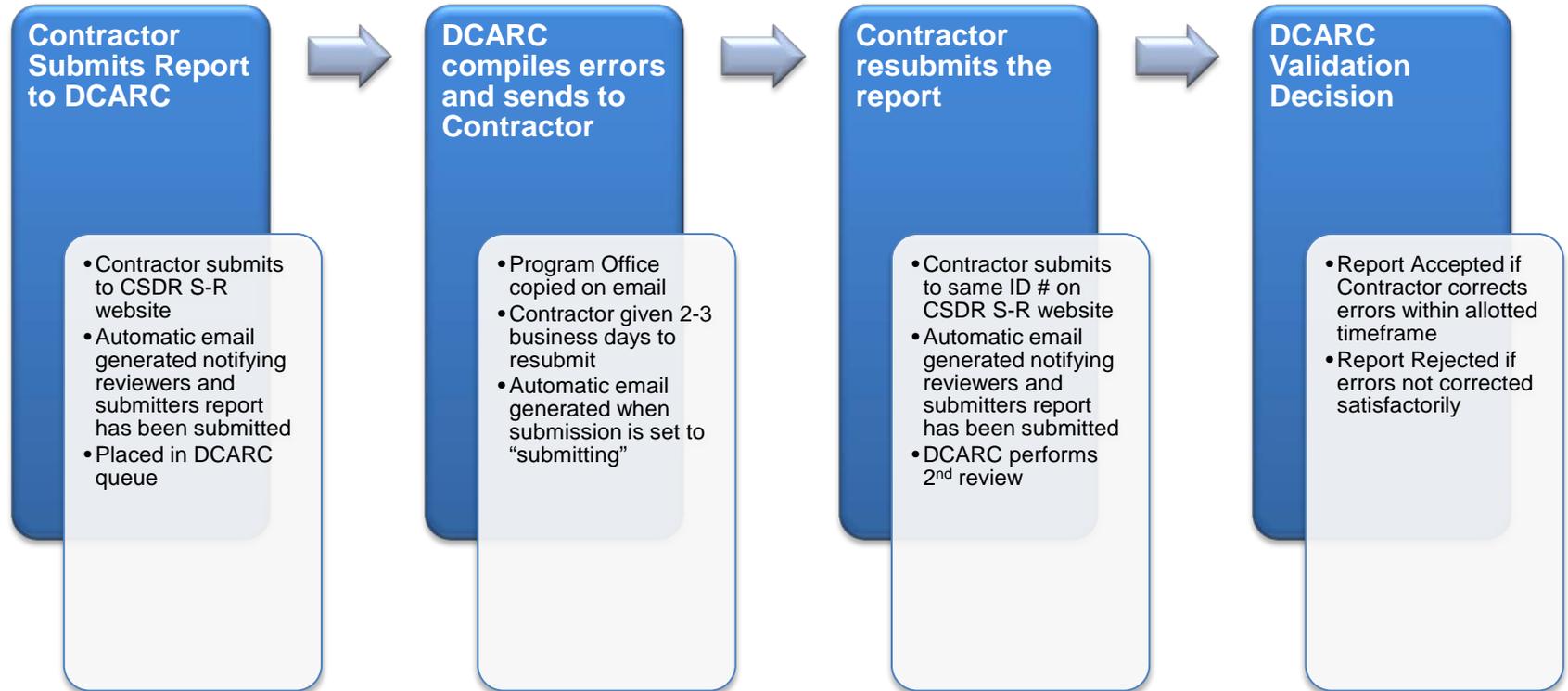
OSD CAPE





Validation Process

OSD CAPE



DCARC Validation process should be complete within 20 business days of contractor submission



Dictionary Validation Checks

OSD CAPE

- Correctly formatted index is included
- Contractor Data Reporting Structure matches the approved contract CSDR plan exactly
 - No additional elements are added
 - No elements from approved plan are omitted
- Contract and plan numbers match the approved contract CSDR plan
- Complete, detailed definitions (contain technical, cost, and work content)
- Parent-level element definitions include general system-level descriptions
- Elements that are out of scope are defined as not applicable
- Elements that are in scope are accurately defined
- Elements are not defined as “reserved”

DCARC CCDR Validation Process

Manual Checks

OSD CAPE

- Security Classification
- All metadata is reported correctly and contract #, plan #, and submission event match approved contract CSDR plan
- Number of Units “To Date” and “At Completion” reported correctly for all hardware elements with recurring costs
- Nonrecurring and recurring costs not reported as an aggregate
- Annual reports increase from prior reports for costs reported to date
- Appropriate and accurate explanations in Remarks Section as required by DIDs and for all anomalies (to date costs > EAC, negative costs, underrun/overrun)

DCARC Validation Process

cPet Checks

OSD CAPE

- 1921 vs. Contract Plan
 - Inclusion of all elements and summary elements
 - Costs reported for all applicable elements
- 1921 Internal
 - Sum of Children elements = Parent element
 - Nonrecurring + Recurring Figures = Total Figures
 - To date costs \leq At Completion Costs
 - Contract Price vs. Total Price
 - Costs reported for G&A, FCCM, and profit
 - Summary Elements sum to Total Price
 - Final reports report costs as \geq 95% complete and have no costs for Management Reserve and Undistributed Budget
- 1921 vs. 1921-1
 - Costs and Quantities match between 1921 and 1921-1
- 1921-1 Internal
 - Nonrecurring + Recurring Figures = Total Figures
 - To date costs \leq At Completion Costs
 - Direct Labor Hours, Dollars and overhead reported on 1921-1 reports
 - Costs within each functional category on 1921-1 = Total for each functional category
 - Costs reported on 1921-1 reports for other costs not shown elsewhere or direct-reporting subcontract costs

Attributes of a Successful Submission

OSD CAPE

1921 Report

- Single file for 1921 report (.xls)
- Contract ceiling \geq contract price and/or total price
- Contract number and plan number matches plan
- All elements included from plan
- Number of Units reported for all hardware elements with recurring costs
- Sum of children element costs equal to parent element cost
- Nonrecurring Costs + Recurring Costs = Total Cost
- Costs reported for G&A, FCCM, and Profit

1921-1 Report

- Single file for 1921-1 report with separate tabs for each element requiring 1921-1 reporting (.xls)
- Number of Units and costs on 1921-1 match 1921
- Nonrecurring Costs + Recurring Costs = Total Cost
- Direct labor hours, dollars, and overhead reported

1921-2 Report

- Single file for 1921-2 report with separate tabs for each element requiring 1921-2 reporting (.xls)
- Costs on 1921-2 (Block C) match corresponding costs on 1921-1 (Block B)
- Completed Number of Units + Work in Process = Total Cost
- Unit or lot reporting as specified on approved contract CSDR plan

cPet assists in preparation of a successful submission



1921-3 Validation Checks

OSD CAPE

- Page 1 (Sections A and B) are submitted for prior year, current year, and at least three future years.
- Explanations provided in Remarks section when :
 - Costs or hours in Section A, Lines 11 (Other DoD Effort), 12 (Other Government Effort), 13 (Commercial Effort) are greater than or equal to 10% of the costs or hours in Lines 14 (Total Direct Cost and Hours Base)
 - Costs or hours in Line 25 (Other Miscellaneous) are greater than or equal to 10% of the cost and hour totals in Lines 27 (Total Indirect Cost and Hours) or 28 (Total G&A Cost and Hours)
 - The “Other” category (Section A, Columns l, m, n) is used
 - Overtime premiums or employee benefits are reported in Section B (Indirect Cost Categories)
 - Equivalent units are reported (methodology must be provided)
- Costs, hours and workers sum correctly in “Total” lines
- Costs reported by program for all DoD programs that constitute at least 10% of overall DoD business, or the top 10 DoD programs



Program Office Validation Process

OSD CAPE

- The Program Office should perform the following checks as the DCARC does not have insight into all programmatic information:
 - Contractor Data Reporting Structure Dictionaries
 - Accurate cost, work and technical definitions provided per element
 - Descriptions include information on whether the reporting contractor or a supplier/subcontractor is performing the effort described
 - GFE items are being integrated into the system are labeled as “GFE” under the appropriate data reporting elements
 - CCDRs
 - Correct number of units reported for all hardware elements
 - Correct “To Date” and “At Completion” total figures
 - Accurate and complete comments in Remarks section
 - Accurate costs reported for all elements in scope (use approved contract CSDR plan and dictionary as reference)
 - Product characteristics and manufacturing functional breakdown validation
 - Correct variant reporting
 - Total contract costs reported, inclusive of all CLINS and DOs
 - 1921-3s
 - Accurate units and costs reported per program



Program Office Communication

OSD CAPE

- Program Office reviewers must communicate to DCARC when they have completed their review promptly after submission
- Feedback should be sent to DCARC through the CSDR S-R website
- Feedback should be provided in a format that can be understood by DCARC and communicated to the contractor



Validation Error Report

OSD CAPE

- After reviewing submissions, DCARC analysts compile a Validation Error Report to send to contractor and Program Office
- All errors must be corrected before resubmission



Accepted and Rejected Reports

OSD CAPE

Accepted

- Acceptance Memo sent out

**DACIMS
(accessible
only to
Government
analysts)**

Rejected

- Reject Memo and Validation Error Report sent out
- Increment resubmission number (e.g., from "0" to "1")

**Contractor
must
resubmit
report in ~30
days**



Consequences of Rejected Reports

OSD CAPE

- Additional work for government and reporting contractor
- Rejection taken into account when compiling compliance ratings
- Delayed milestone reviews and contract awards
- Delayed cost data availability for government cost analysts

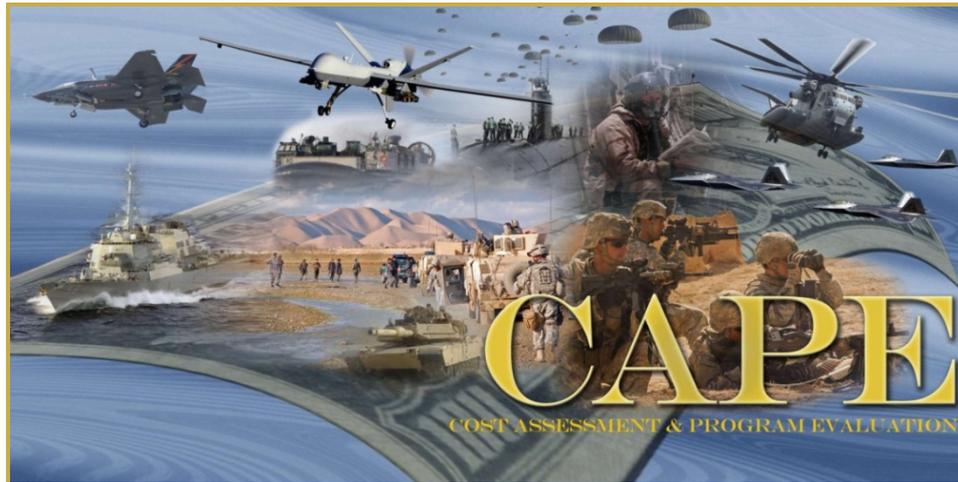
CSDR IT Systems and Tools

cPet Desktop

cPet Web

CSDR S-R

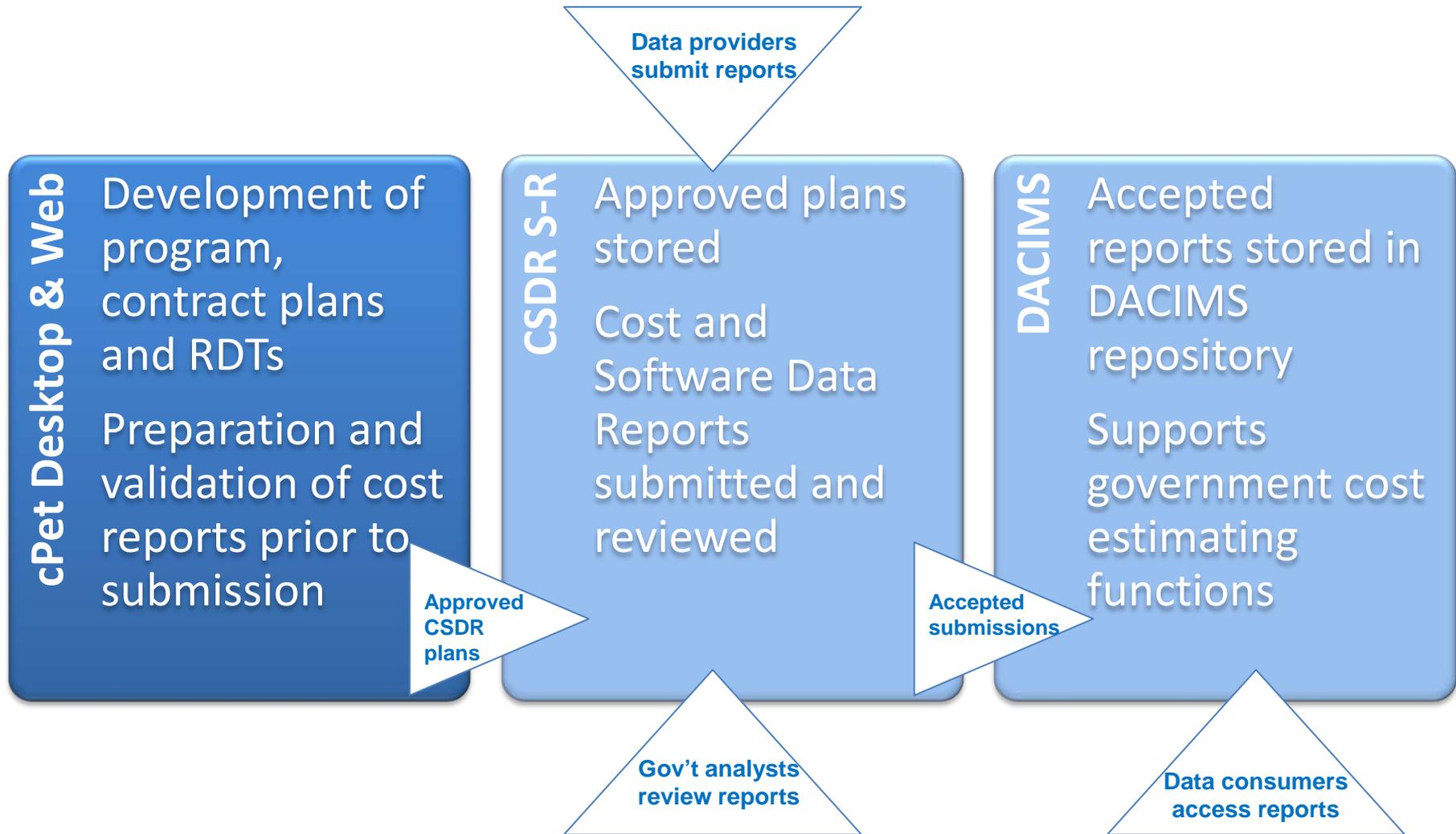
DACIMS





CSDR Systems Overview

OSD CAPE





cPet Desktop and Web

OSD CAPE

- cPet is a useful tool for government in the creation of Program and Contract CSDR plans and RDTs
- Industry is also served by cPet in the preparation and validation of reports prior to submission

cPet Desktop: <http://dcarc.pae.osd.mil/CSDR/cPet.aspx>

cPet Web: <https://service.dcarc.cape.osd.mil/cPetWeb/>



Excel Flat File

OSD CAPE

- cPet (Desktop and Web) can create 1921/1921-1 reports from a standard Excel Flat File

Metadata			Summary Elements and Remarks			Data Reporting Structure Codes and Elements						1921 Data						1921-1 Data					
Data Type	1921/1921-1 Input	WBS Reporting Level	WBS Code	WBS Reporting Elements	Units TD	NR \$ TD	Rec \$ TD	Units AC	NR \$ AC	Rec \$ AC	NR Eng Hrs TD	Rec Eng Hrs TD	NR Eng Hrs AC	Rec Eng Hrs AC	NR Direct Eng \$ TD	Rec Direct Eng \$ TD							
Data Version	2007																						
Security Classification	Unclassified																						
1a Program MDAP																							
1b Program Phase																							
2 Prime Mission Product																							
3 Contractor Type																							
4 Name																							
4 Address Line 1																							
4 Address Line 2																							
4 Address City																							
4 Address State																							
4 Address Zip																							
5 Approved Plan Number																							
6 Customer																							
7 Contract Type																							
8 Contract Price																							
9 Contract Ceiling																							
10a Contract No																							
10b Latest Modification																							
10c Solicitation No																							
10d Name																							
11a PoP Start Date																							
11b PoP End Date																							
12 Appropriation																							
13 Report Cycle																							
14 Submission Number																							
15 Resubmission Number																							
16 Report As Of																							
17 Name																							
18 Department																							
19 Telephone Number																							
20 Email Address																							
21 Date Prepared																							
Subtotal TD																							
Subtotal AC																							
G&A TD																							
G&A AC																							
UB AC																							
MR AC																							
FCCM TD																							
FCCM AC																							
Fee TD																							
Fee AC																							
Price TD																							
Price AC																							
DD 1921 Remarks																							

The Flat-File Template is available for download at <http://dcarc.cape.osd.mil/CSDR/cPet.aspx>

Data Reporting Structure Codes and Elements

1921 Data

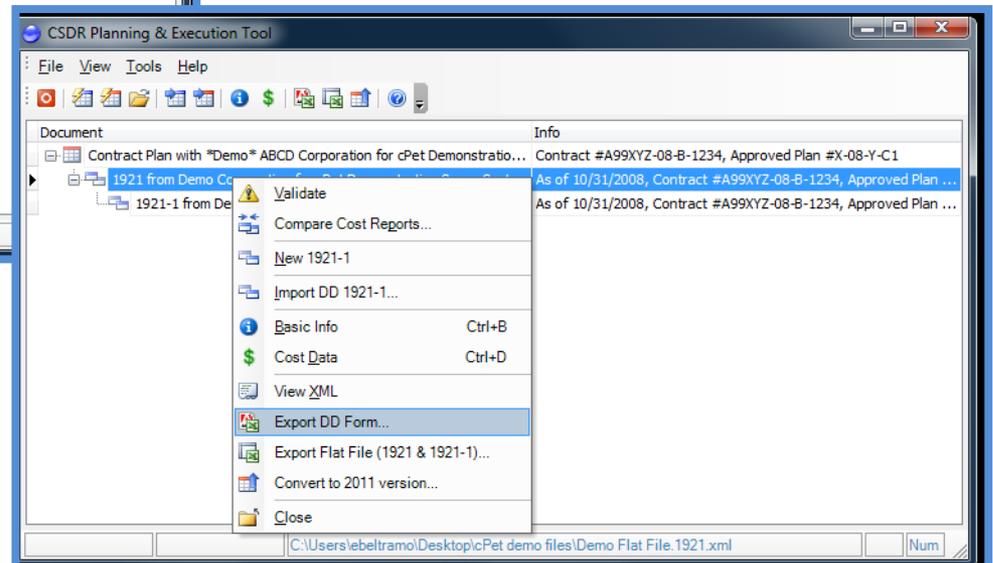
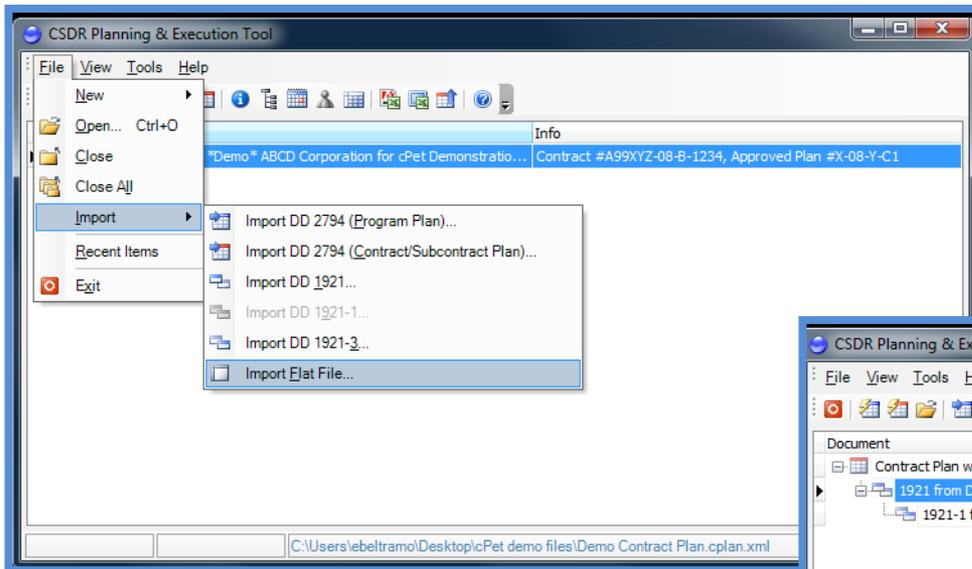
1921-1 Data



Preparing CCDR Submissions

OSD CAPE

- cPet can create 1921 and 1921-1 reports using the Excel Flat File
 - Select File – Import – Import DD 2794 (Contract/Subcontract Plan) – Import Flat File
 - Select 1921 report – Right click – Select Export DD Form
 - Select 1921-1 report – Right click – Select Export DD Form

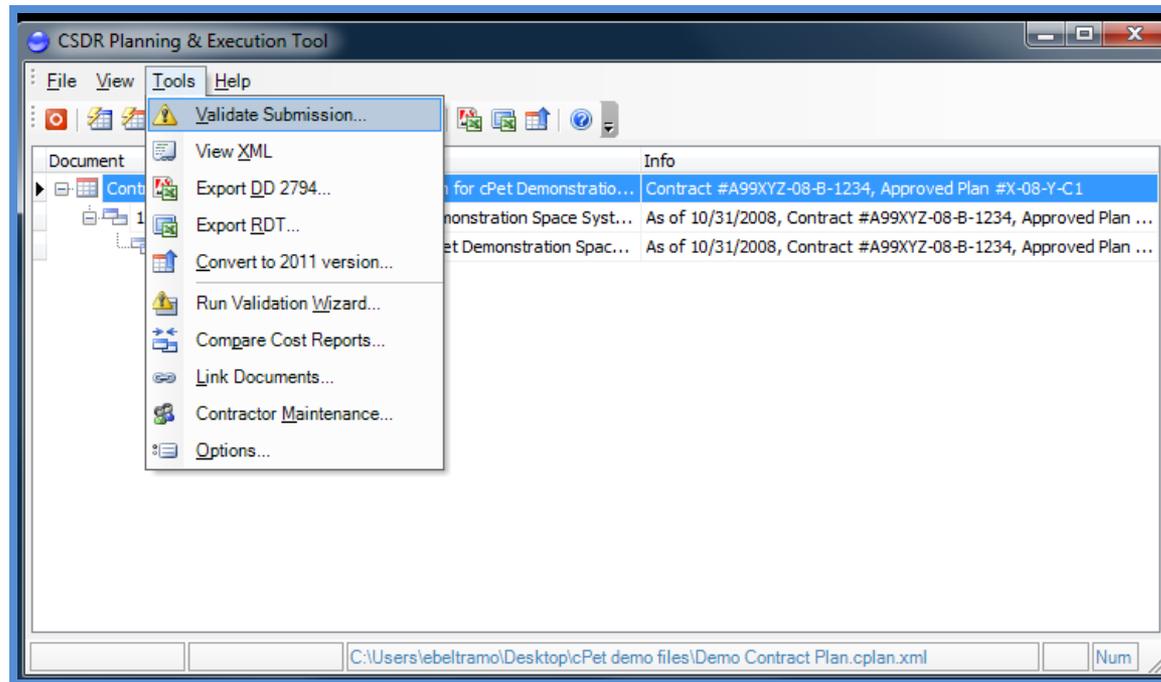




Validating CCDR Submissions

OSD CAPE

- cPet should be used prior to submission to ensure that reports do not contain errors
 - Select File – Import – Import DD 2794 (Contract/Subcontract Plan) – Import DD 1921– Import DD 1921-1
 - Select Tools – Validate Submission





cPet Summary

OSD CAPE

- Desktop and Web Versions
- Create and Edit CSDR Program and Contract Plans
- Create and Edit RDTs
- Transforms Flat Files into approved 1921/1921-1 Forms
- Performs preliminary CSDR Validations
 - Numbers sum correctly
 - Consistent data between 1921 and 1921-1
 - Tracks 1921/1921-1 to CSDR Contract Plan
 - Required elements are reported
 - Element names are reported correctly
 - 1921-1 reports submitted for all required elements with costs



Future cPet Features

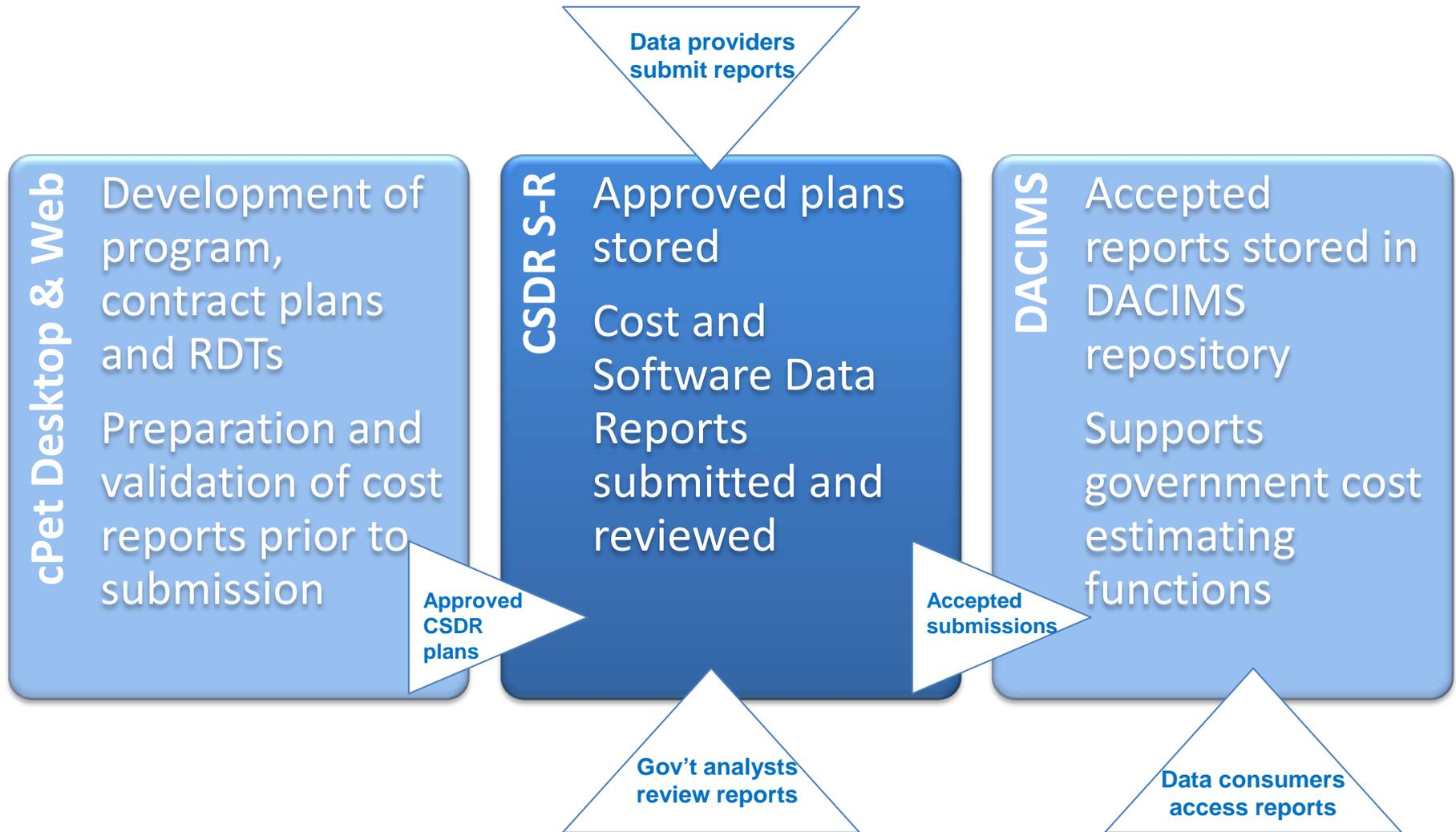
OSD CAPE

- 1921-2 supported by Flat File
- 1921-3 validation



CSDR Systems Overview

OSD CAPE





CSDR Submit-Review

OSD CAPE

- The CSDR S-R manages all CSDR Submission and Review functions (excluding 1921-3) including:
 - Access current approved CSDR Plans
 - Submission and validation of Cost and Software Data Reports
 - Request submission event date changes
 - Review and provide feedback on submissions

CSDR S-R: <http://dcarc.pae.osd.mil/CSDR/Default.aspx> (select "Portal Login")

CSDR Submit and Review (CSDR S-R)

OSD CAPE



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CSDR Submit - Review

CSDR-SR - Submit & Review of 1921, 1921-1, 1921-2, 2630-1, 2630-2, 2630-3, CCDR, SRDR & CWBS

Username: ebeltramo Roles: cPetWeb_User, CSDRSR_Admin, CSDRSR_Reviewer, CSDRSR_Submitter, DACIMS35_Admin, DACIMS35_Analyst

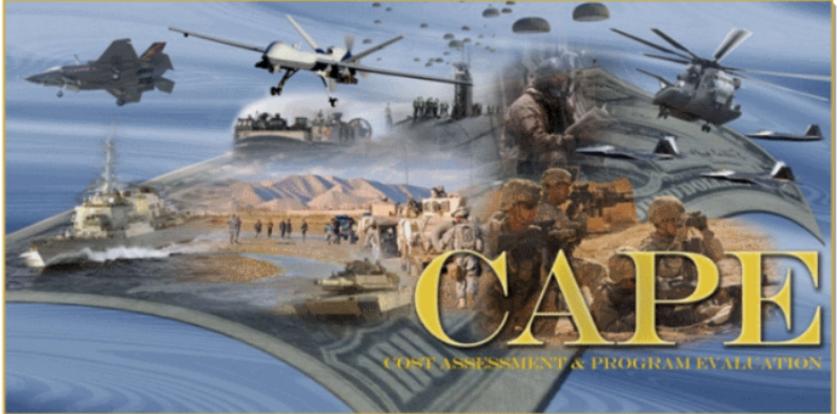
[DCARC Home](#) | [Contact Us](#) | [CSDR S-R Administration](#) | [CSDR S-R Home](#) | [Program Planning](#) | [Upload Home](#) | [Review Submissions](#) | [Search Contracts](#) | [Search Submissions](#) | [Pending Sub](#)

Welcome to CSDR S-R

User Guides

 [Reviewer Guide](#) - Illustrates to reviewers how to request an account, review/comment on data submissions, view CSDR plans, and review future submission events.

 [Submitter Guide](#) - Illustrates to submitters how to request an account, upload documents, and view CSDR plans.



Reviewer and Submitter Guides on the CSDR S-R homepage explain processes for each role

CSDR Submit & Review (CSDR S-R): Accessing CSDR plans

OSD CAPE

- Reviewers and Submitters can access .xml and .xls versions of the current, approved contract CSDR plans
 - On the “Upload Home” tab, select the “Prime Contract Number” associated with the plan
 - The “Contract Detail” page containing the submission events and information associated with the plan will appear

DCARC Home | Contact Us | CSDR S-R Home | Upload Home | Help

Upload Home
(*** CSDR Data Only, No EVM Data ***)

Submission Events | Assigned Contracts | Submissions in Progress | Rejected Submissions | Submission History | Contract Request

Submission Events

Date Range: All | Program: All Programs

Submission Stage: None | Contract: All

Event Name	Expected Files	Expected As Of Date	Expected Submission Date	Prime Contract Number	Task	Plan Number	Program Name	Submission ID	Submission Status	Submission Stage	In Progress	
LUT	1921,1921-1	6/30/2011	8/30/2011	DAAB07-02-C-403	JTRS GMR	A-03-F-C1(R1)	JTRS GMR - Joint Tactical Radio System Ground Mobile Radio					Upload
LRIP 1 Delivery	1921,1921-1,1921-2	12/15/2011	2/15/2012	DAAB07-02-C-403	JTRS GMR	D-09-A-C1	JTRS GMR - Joint Tactical Radio System Ground Mobile Radio					Upload
LRIP 2 Delivery	1921,1921-1,1921-2	3/15/2012	5/15/2012	DAAB07-02-C-403	JTRS GMR	D-09-A-C1	JTRS GMR - Joint Tactical Radio System Ground Mobile Radio					

Contract Detail

Prog: JTRS GMR – Joint Tactical Radio System Ground Mobile Radio Ctr#: DAAB07-02-C-403
 Ctr: The Boeing Company Sub: BAE Systems

Contract Summary | Reviewers & Submitters | Contract Tasks/Plans | Submission Events | Received Submissions

Contract Summary:

Program Name: JTRS GMR – Joint Tactical Radio System Ground Mobile Radio

Program URI: urn:us:mil:osd:acq:cars:pno-360

Contract Number: DAAB07-02-C-403

Contractor Name: The Boeing Company



CSDR Submit & Review (CSDR S-R): Accessing CSDR plans continued

OSD CAPE

- Reviewers and Submitters can access .xml and .xls versions of the current, approved contract CSDR plans
 - On the "Contract Detail" page, select the "Contract Tasks/Plans" tab
 - After selecting "View," the .xls and .xml plans will be available for download

Contract Detail

Prog: JTRS GMR – Joint Tactical Radio System Ground Mobile Radio	Ctr#: DAAB07-02-C-C403
Ctr: The Boeing Company	Sub: BAE Systems

[Contract Summary](#) |
 [Reviewers & Submitters](#) |
 [Contract Tasks/Plans](#) |
 [Submission Events](#) |
 [Received Submissions](#)

Contract Tasks/Plans

Contract Task	Plan Number	Phase	Model	Effort	Contract Plans
JTRS GMR	A-03-F-C1-S1(R2)	Dev	JTRS GMR	JTRS GMR Sub	View
JTRS GMR	D-09-A-C1-S3	LRIP	JTRS GMR	JTRS GMR Sub	View

Contract Tasks/Plans

Contract Task	Plan Number	Phase	Model	Effort	Contract Plans
JTRS GMR	A-03-F-C1-S1(R2)	Dev	JTRS GMR	JTRS GMR Sub	Hide
	Plan Number	Active	Plan Date	Comments	XML
	A-03-F-C1-S1(R2)	<input checked="" type="checkbox"/>	3/23/2010		20100203 JTRS GMR SDD A-03-F-C1(R2) Boeing.cplan.xml
					20100203 JTRS GMR SDD A-03-F-C1(R2) Boeing.xls
JTRS GMR	D-09-A-C1-S3	LRIP	JTRS GMR	JTRS GMR Sub	View



CSDR Submit and Review (CSDR S-R): Submitter Role

OSD CAPE

- To upload submissions and access CSDR plans, submitters navigate to “Upload Home”

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CSDR Submit - Review

CSDR-SR - Submit & Review of 1921, 1921-1, 1921-2, 2630-1, 2630-2, 2630-3, CCDR, SRDR & CWBS

Username: ebeltramo Roles: cPetWeb_User, CSDRSR_Admin, CSDRSR_Reviewer, CSDRSR_Submitter, DACIMS35_Admin, DACIMS35_Analyst * Please close this window to log out.

DCARC Home | Contact Us | CSDR S-R Administration | CSDR Compliance | CSDR S-R Home | Upload Home | Review Submissions | Search Contracts | Search Submissions | Help

Upload Home

(*** CSDR Data Only, No EVM Data ***)

Submission Events | Assigned Contracts | Submissions in Progress | Rejected Submissions | Submission History | Contract Request

Submission Events

Date Range: Program:

Submission Stage: Contract:

No submission Events match the given criteria

- If submission events do not appear, select the “Contract Request tab and enter the contract/plan number of the submission missing from the queue
 - An email will be sent to the DCARC analyst responsible for the program, who will review the request and provide access if appropriate (usually within 24 hours)

Upload Home

(*** CSDR Data Only, No EVM Data ***)

Submission Events | Assigned Contracts | Submissions in Progress | Rejected Submissions | Submission History | **Contract Request**

Please enter the contract number of the request. After sending the request, the appropriate authority will review the request and act accordingly.

Contract Number:

Plan Number:

CSDR Submit and Review: Submitting Reports – Step 1

OSD CAPE

• Uploading a Submission– Step 1

- On the “Upload Home” page, navigate to the correct, corresponding submission event and select “Upload”
- On the “Upload Submission” page, enter the actual as of date, and point of contact information

Event Name	Expected Files	Expected As Of Date	Expected Submission Date	Prime Contract Number	Task	Plan Number	Program Name	Submission ID	Submission Status	Submission Stage	In Progress	
LUT	1921,1921-1	6/30/2011	8/30/2011	DAAB07-02-C-403	JTRS GMR	A-03-F-C1(R1)	JTRS GMR – Joint Tactical Radio System Ground Mobile Radio					Upload
LRIP 1 Delivery	1921,1921-1,1921-2	12/15/2011	2/15/2012	DAAB07-02-C-403	JTRS GMR	D-09-A-C1	JTRS GMR – Joint Tactical Radio System Ground Mobile Radio					Upload
LRIP 2 Delivery	1921,1921-1,1921-2	3/15/2012	5/15/2012									Upload

Submission Event

Plan Number: A-03-F-C1(R1)

Submission Event: LUT

Expected Files: 1921,1921-1

Expected As Of Date: 6/30/2011

Expected Submission Date: 8/30/2011

Submission Details

As Of Date:

Comment:
(Max 256 chr.)

Point of Contact Information

Name:

Phone:

Fax:

Email:

Enter an As Of Date, Name, Phone, and Email address and press the 'Next' button to continue.

CSDR Submit and Review: Submitting Reports – Step 2

OSD CAPE

• Uploading a Submission– Step 2

- Submit all required documents and supporting information, choose the correct, corresponding file type, and select “Upload”
- Cover letters should not be submitted

Upload Submission

[Back](#) | [Cancel Submission](#) Step 2 of 4

Instructions
 Upload the required files for this Submission Event and specify the appropriate file types. Note: If you want to validate a 1921 or 1921-1 document, you must upload an xls, xlsx, or xml file. After all the required files are attached, you may press 'Next' to continue.

Prog: JTRS GMR – Joint Tactical Radio System Ground Mobile Radio	Ctr#: DAAB07-02-C-C403
Ctr: The Boeing Company	Sub:

Submission Info
Files
Validation
Review & Submit

Unclassified Documents Only

Required Files
1921,1921-1

Select a file to Upload

Caution: The total size of each file must be less than 30 mb.

File Comment:

Uploaded Files

	File Name	File Type	File Comment	Actions
	20110815_JTRS GMR LUT_1921.xlsx	1921		
	20110815_JTRS GMR LUT_1921-1.xlsx.xls	1921-1		

[Back](#) | [Next](#) **Upload the required files for this Submission Event and specify the appropriate file types. Note: If you want to validate a 1921 or 1921-1 document, you must upload an xls, xlsx, or xml file. After all the required files are attached, you may press 'Next' to continue.**

CSDR Submit and Review: Submitting Reports – Step 3

OSD CAPE

• Uploading a Submission—Step 3

- For CCDR submissions, the “Validate” tab will run cPet against the 1921 and 1921-1 reports
 - Select the 1921, 1921-1 reports and correct corresponding contract plan from the drop down options and click “Validate”
 - A .xls file will be generated under “Working Files”
 - This file should be opened to verify that no major cPet errors exist in the reports

Upload Submission

[Back](#) | [Cancel Submission](#)

Step 3 of 4

Instructions
Select a 1921 or a 1921 and 1921-1 pair and the corresponding contract plan and press validate to check the Submission files for errors.

Prog: JTRS GMR – Joint Tactical Radio System Ground Mobile Radio	Ctr#: DAAB07-02-C-C403
Ctr: The Boeing Company	Sub:

Submission Info
Files
Validation
Review & Submit

Select Validation Options

1921:

1921-1:

Contract Plan Number:

Submission Event

Submission Event Number: 5

Submission Event Name: LUT

Assigned Plan Number: [A-03-F-C1\(R1\)](#)

Working Files

File Name	File Type	Created Date	User
XMLValidationResults_Combined_1921_&_1921-1.xls	Validation Results	11/13/2012 10:17:25 AM	ebeltramo

The DCARC validation tool now supports Excel 2011 documents.

Select a 1921 or a 1921 and 1921-1 pair and the corresponding contract plan and press validate to check the Submission files for errors.

CSDR Submit and Review: Submitting Reports – Step 4

OSD CAPE

• Uploading a Submission – Step 4

- Under “Submission Warnings” a message stating “All required files are present” should appear
- If files are missing, select the “Back” option to upload missing documents

Upload Submission

[Back](#) | [Cancel Submission](#) Step 4 of 4: Final Step

Instructions
Review the Submission inputs and Submission warnings. Press the 'Submit' button at the bottom of the page to complete this Submission.

Prog: JTRS GMR – Joint Tactical Radio System Ground Mobile Radio	Ctr#: DAAB07-02-C-C403
Ctr: The Boeing Company	Sub:

Submission Info
Files
Validation
Review & Submit

Contract Information

Program Name: JTRS GMR – Joint Tactical Radio System Ground Mobile Radio	Program URI: urn:us:mil:osd:acq:cars:pno-360	Program Manager: Ralph N. Moslener
Contract Number: DAAB07-02-C-C403	Contractor Name: The Boeing Company	Contractor Division: IDS - Network and Space Systems A.CA
Sub Contract Number:	Sub Contractor Name:	Sub Contractor Division:
Military Handbook: ELECTRONIC/AUTOMATED SOFTWARE	Service: ARMY	Prime/Sub: Prime
Weapon System Type: Non MIL-STD-196E Designated System	Contract Type: CPAF	

Submission Event

Plan Number: A-03-F-C1(R1)

Selected Event LUT

Expected Files: 1921,1921-1

Expected As Of Date 6/30/2011

Expected Submission Date 8/30/2011

Submission Details

As Of Date: 6/15/2011

Comment:

Point of Contact Information

Name: Emily Beltramo

Phone: 571-372-4263

Fax:

Email emily.beltramo.ctr@osd.mil

Uploaded Files

File Name	File Type	File Comment
20110815 JTRS GMR LUT 1921.xlsx	1921	
20110815 JTRS GMR LUT 1921-1.xlsx.xls	1921-1	

Submission Warnings (Not including file validation)

All required files are present.

[Back](#)
[Submit](#) Review the Submission inputs and Submission warnings. Press the 'Submit' button at the bottom of the page to complete this Submission.



CSDR Submit & Review (CSDR S-R): Requesting Date Changes – Step 1

OSD CAPE

- Program Office Lead Reviewers can request submission event date changes through the CSDR S-R
 - Date changes only acceptable when linked to programmatic schedule slip identified in accompanying schedule
- To request a date change, program office lead reviewers navigate to “Review Submissions” and select the “Contracts” tab
 - On the “Upload Home” tab, select the “Prime Contract Number” associated with the plan
 - The “Contract Detail” page containing the submission events and information associated with the plan will appear

Submission Review Home

Submissions **Contracts** Submission History Summary Report

Prime Contract Number	Plan Numbers	Program Name	PM	Contractor	Contractor Division	Role
N0000-00-N-0000	N000000-02	F-22 - RAPTOR Advanced Tactical Fighter	Unknown	Prime: i-Robot Corporation Sub:	Prime: N/A Sub:	Program Office Lead Reviewer

Contract Detail

Prog: F-22 - RAPTOR Advanced Tactical Fighter Ctr#: N0000-00-N-0000
Ctr: i-Robot Corporation Sub:

Contract Summary Reviewers & Submitters Contract Tasks/Plans **Submission Events** Received Submissions

Submission Events

Plan Number: [All] ▼

Plan Number	Submission Number	Resubmit Number	Event Name	Required File Names	Expected As Of Date	Expected Submission Date	Actual As Of Date	Actual Submission Date	Latest Submission Status	Latest Submission Stage	Latest Submission ID	Memo Date
123456	1		Test Submission	1921	8/31/2009	9/9/2009	1/19/2012	1/19/2012		Reviewing	1718	
123456	2		Test Submission 2	1921,1921-1	8/31/2012	9/15/2012						

[Manage Submission Events](#)

CSDR Submit & Review (CSDR S-R): Requesting Date Changes – Step 2

OSD CAPE

- On the “Contract Detail” page, select the “Event Name” associated with the submission event requiring a date change
- Navigate to the “Submission Event Details” tab and select “Make Date Change Request”

Contract Detail

Prog: F-22 - RAPTOR Advanced Tactical Fighter Ctr#: N0000-00-N-0000
Ctr: i-Robot Corporation Sub:

Contract Summary Reviewers & Submitters Contract Tasks/Plans Submission Events Received Submissions

Submission Events

Plan Number: [All]

Plan Number	Submission Number	Resubmit Number	Event Name	Required File Names	Expected As Of Date	Expected Submission Date	Actual As Of Date	Actual Submission Date	Latest Submission Status	Latest Submission Stage	Latest Submission ID	Memo Date
123456	1		Test Submission	1921	8/31/2009	9/9/2009	1/19/2012	1/19/2012		Reviewing	1718	
123456	2		Test Submission 2	1921,1921-1	8/31/2012	9/15/2012						

Manage Submission Events

Submission Event Details

Back

Prog: F-22 - RAPTOR Advanced Tactical Fighter Ctr#: N0000-00-N-0000
Ctr: i-Robot Corporation Sub:

Contract Summary Submission Event Details Submissions Link Back Submission History

Expected As Of Date: [8/31/2012] Plan Number: [123456]

Expected Submission Date: [9/15/2012] Submission Number: [2]

Submission Event Name: [Test Submission 2] Resubmit Number: []

Expected File types: Comment: []

1921 1921-2
 1921-4 2630-1 2630-2
 2630-3 CWBS Mapping CWBS Dictionary
 SRDR Dictionary CSDR Plan SRDR Initial Report
 SRDR Final Report Flat File Contractor Business Data Report (1921-3)
 Acquisition Schedule Document

[Make Date Change Request](#)

[Show Date Change Requests](#)

CSDR Submit & Review (CSDR S-R): Requesting Date Changes – Step 3

OSD CAPE

- Enter the requested as of and due dates and explain the date change request in the “Description” field
- Select “OK” and an automated email will be sent to the DCARC Analyst responsible for the program, who will review the request and accept the date change if appropriate (usually within 24 hours)

Submission Event Details

[Back](#)

Prog: F-22 - RAPTOR Advanced Tactical Fighter	Ctr#: N0000-00-N-0000
Ctr: i-Robot Corporation	Sub:

Contract Summary
Submission Event Details
Submissions
Legacy SubmissionHistory

Reason

Current As Of Date: 8/31/2012

Requested As Of Date:

Current Expected Date: 9/15/2012

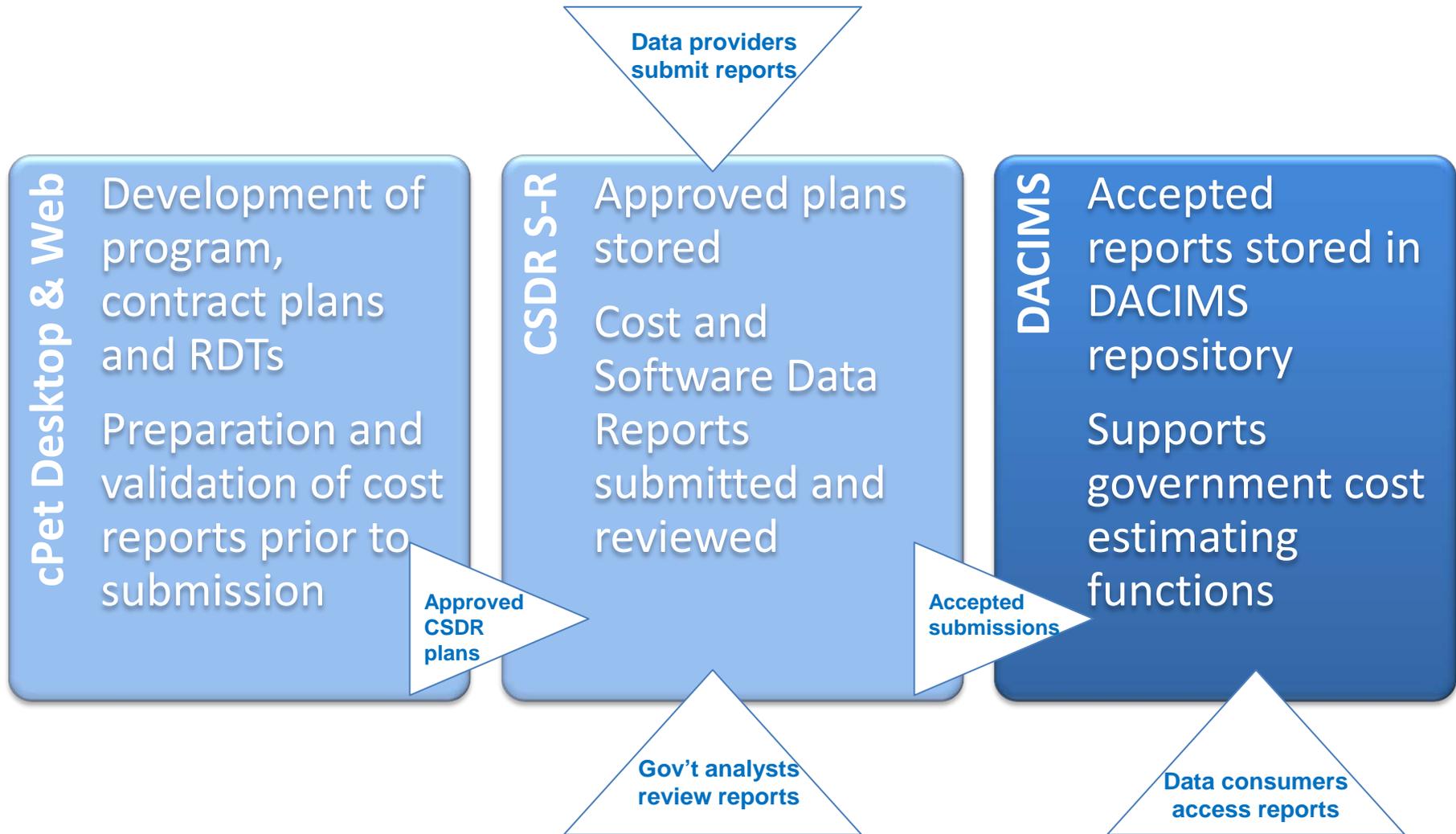
Requested Expected Date:

Description:



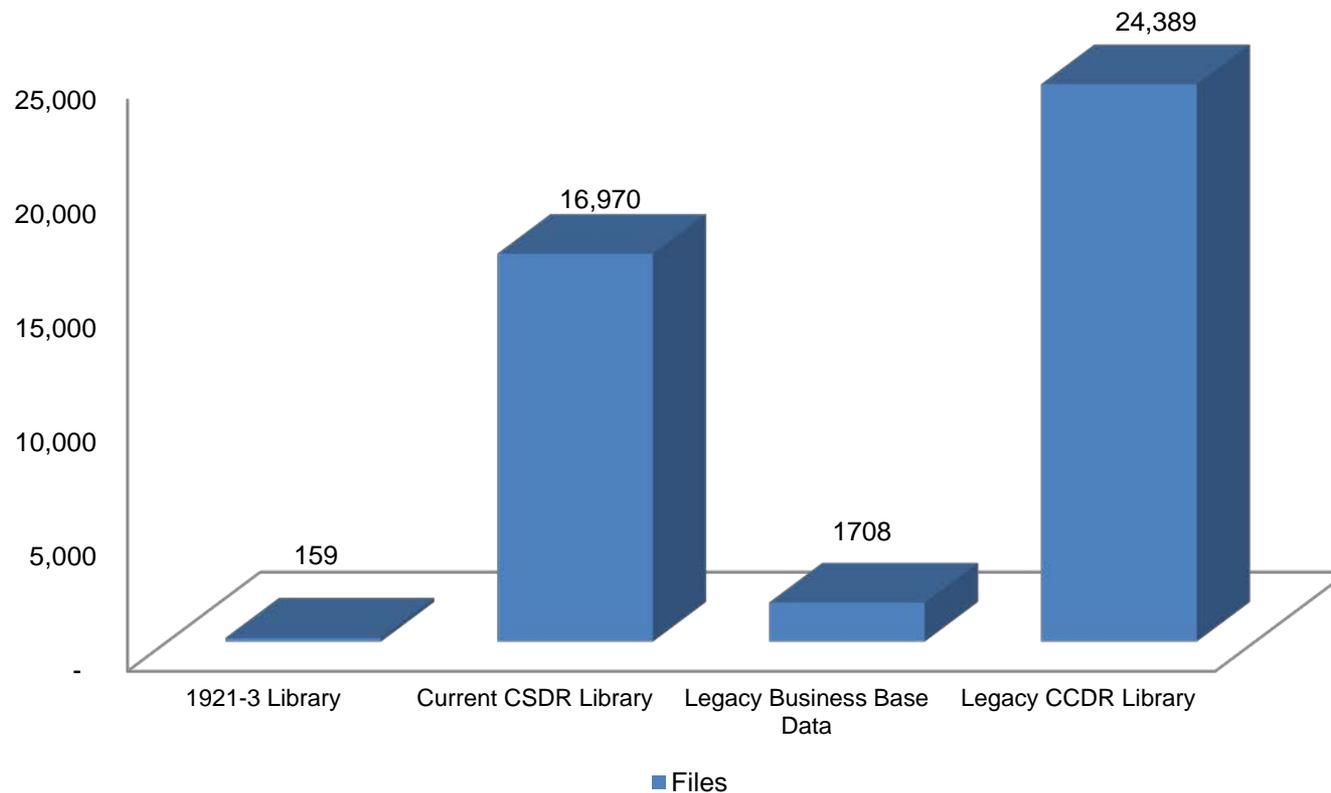
CSDR Systems Overview

OSD CAPE



CSDR Files in DACIMS

OSD CAPE



*as of September 25, 2012



Locating CSDR Data in DACIMS

OSD CAPE

- Current CSDR Library folder contains actively reporting programs
- Organized by Mil-Handbook appendices
- Further organized by system, program, prime mission product, phase, and task (contractor)



The Defense Automated Cost Information Management System (DACIMS)

DACIMS 3.5 Library

Enhancing DoD Cost Analysis

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DCARC Home Home Library Contact Us

Document Library

Business Base Data

Current CSDR Library

Aircraft

Electronic/Automated Software

Missile

Ordnance

Ship

Space

Surface Vehicle

System of Systems

UAV

Legacy CCDR Library

Folder Name: Aircraft

0 Document(s) 50 Results per page

No documents were found at this location

Business Base Data

Current CSDR Library

Aircraft

AB3 - Apache Block III

Air Vehicle

Dev

W58RGZ-05-C-0001

Drive System Sub (Northstar)

Prime (The Boeing Company)

REU/TCDL

ACS - Aerial Common Sensor

ARH - Armed Reconnaissance Helicopter

AWACS Upgrade - Airborne Warning and Control System

B-1 CMUP - B-1 LANCER Penetrating Bomber Conversion

B-2 EHF SATCOM AND COMPUTER INCREMENT I -

B-2 RMP - B-2 Radar Modernization Program

B-2 Training System Contractor Logistics Support (C)

BLACK HAWK (UH-60L) - Utility Helicopter



DACIMS Filter

OSD CAPE

- Use the Component Filter to view only Contractor Data Reporting Structure Dictionaries, CCDRs, or SRDRs in a particular folder

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DCARC Home Home Library Admin Contact Us

Document Library

Folder Name: Prime (The Boeing Company)

11 document(s) 50 Results per page Component Filter: (all) Package Documents

Select	Details	Titles	Folder Path	Contract Task Information	Report As. Of Date
<input type="checkbox"/>		CWBS Dictionary (4/19/2006), Apache Block III Risk Reduction - W58RGZ-05-C-0001 (The Boeing Company)	Current CSDR Library\Aircraft\AB3 - Apache Block III\AH-64D Block III\Dev\W58RGZ-05-C-0001\Prime (The Boeing Company)	CWBS Dictionary: Risk Reduction	04/19/2006
<input type="checkbox"/>		2630-2 (Initial Report) (12/28/2006), AH-64 (Longbow Apache) - W58RGZ-05-C-0001 (Boeing)	Current CSDR Library\Aircraft\AB3 - Apache Block III\AH-64D Block III\Dev\W58RGZ-05-C-0001\Prime (The Boeing Company)	Initial SRDR Report	12/28/2006
<input type="checkbox"/>		SRDR Final Report (8/30/2011), AB3 - Apache Block III - W58RGZ-05-C-0001 (The Boeing Company)	Current CSDR Library\Aircraft\AB3 - Apache Block III\Air Vehicle\Dev\W58RGZ-05-C-0001\Prime (The Boeing Company)	S/W Baseline Verification Test (SBVT) - Completion	08/30/2011
<input type="checkbox"/>		CWBS Dictionary (1/22/2007), Apache Block III - Phase I SDD - W58RGZ-05-C-0001 (The Boeing Company)	Current CSDR Library\Aircraft\AB3 - Apache Block III\AH-64D Block III\Dev\W58RGZ-05-C-0001\Prime (The Boeing Company)	CWBS Dictionary: SDD Phase 1	01/22/2007
<input type="checkbox"/>		1921, 1921-1 (Front) (1/31/2008), Apache Block III - CDR - W58RGZ-05-C-0001 (Boeing)	Current CSDR Library\Aircraft\AB3 - Apache Block III\AH-64D Block III\Dev\W58RGZ-05-C-0001\Prime (The Boeing Company)	CDR	01/31/2008
<input type="checkbox"/>		1921, 1921-1 (Front) (4/26/2007), Apache Block III - Risk Reduction - Final Report - W58RGZ-05-C-0001 (Boeing)	Current CSDR Library\Aircraft\AB3 - Apache Block III\AH-64D Block III\Dev\W58RGZ-05-C-0001\Prime (The Boeing Company)	Risk Reduction Final Report	04/26/2007
<input type="checkbox"/>		1921, 1921-1 (8/27/2009), AB3 - Apache Block III - W58RGZ-05-C-0001 (The Boeing Company)	Current CSDR Library\Aircraft\AB3 - Apache Block III\Air Vehicle\Dev\W58RGZ-05-C-0001\Prime (The Boeing Company)	Limited User Test (LUT) - Completion	08/27/2009
<input type="checkbox"/>		CWBS Dictionary (1/4/2006), AH-64 (Longbow Apache) - W58RGZ-05-C-0001 (Boeing)	Current CSDR Library\Aircraft\AB3 - Apache Block III\AH-64D Block III\Dev\W58RGZ-05-C-0001\Prime (The Boeing Company)	Block III Aircraft-Phase I	01/04/2006
<input type="checkbox"/>		1921, 1921-1 (9/30/2010), AB3 - Apache Block III - W58RGZ-05-C-0001 (The Boeing Company)	Current CSDR Library\Aircraft\AB3 - Apache Block III\Air Vehicle\Dev\W58RGZ-05-C-0001\Prime (The Boeing Company)	Milestone C	09/30/2010
<input type="checkbox"/>		1921, 1921-1 (Front) (12/21/2006), AH-64D - Apache Block III - SDD Initial Report - W58RGZ-05-C-0001 (Boeing)	Current CSDR Library\Aircraft\AB3 - Apache Block III\AH-64D Block III\Dev\W58RGZ-05-C-0001\Prime (The Boeing Company)	RDT&E	12/21/2006
<input type="checkbox"/>		SRDR Final Report (8/31/2009), AB3 - Apache Block III - W58RGZ-05-C-0001 (The Boeing Company)	Current CSDR Library\Aircraft\AB3 - Apache Block III\Air Vehicle\Dev\W58RGZ-05-C-0001\Prime (The Boeing Company)	Limited User Test (LUT) - Completion	08/31/2009



DACIMS Search

OSD CAPE

- DACIMS can search the database for a reports uploaded in a specific period, a specific contract number, contractor, etc.

DCARC The Defense Automated Cost Information Management System (DACIMS) DACIMS 3.5 Library

Enhancing DoD Cost Analysis

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DCARC Home Home Library Admin Contact Us

Document Library * Please close this window to log out.

Folder Name: Current CSDR Library

0 document(s) 50 Results per page Component Filter: (all)

No documents were found at this location

After selecting the necessary folder, click on the magnifying glass to Search Documents

DCARC The Defense Automated Cost Information Management System (DACIMS)

Enhancing DoD Cost Analysis

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DCARC Home Home Library Admin Contact Us

Document Search

Search Current CSDR Library and descendents

Enter your search criteria below, or try the **Advanced Search**

Please choose a view:
 Document View FileView **Select "Advanced Search"**

[Back to Browse Library.](#)



DACIMS Advanced Search

OSD CAPE



The Defense Automated Cost Information Management System (DACIMS)
Enhancing DoD Cost Analysis

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Document Search

- Current 1921-3 Data
- Current CSDR Library
- Legacy Business Base Data
- Legacy CCDR Library
- MAIS Data Library
- Program Files
- Test Program

Search **Current CSDR Library** and descendents

Enter search criteria below to retrieve information from this site on a specific subject.

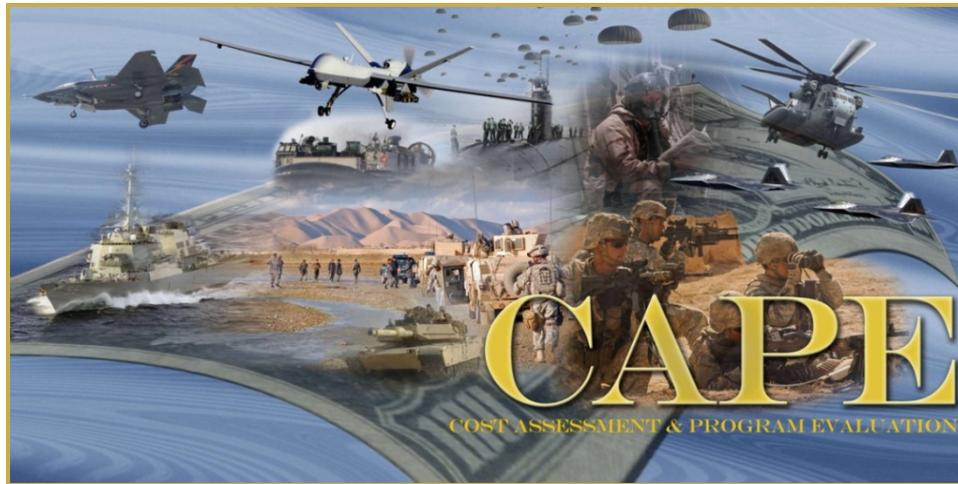
Document Title	<input type="text"/>	Mil Handbook	<input type="text"/>
<u>Start Upload Date</u>	<input type="text"/>	Program	<input type="text"/>
<u>End Upload Date</u>	<input type="text"/>	Model	<input type="text"/>
File Name	<input type="text"/>	Dev/Prod	<input type="text"/>
File Type	(All) <input type="button" value="v"/>	<u>Prime Contract Number</u>	<input type="text"/>
Categories	(All) <input type="button" value="v"/>	Task (Reporting Contractor)	<input type="text"/>
Submission Component Type	(All) <input type="button" value="v"/>	<u>Reporting Contractor</u>	<input type="text"/>
Sort By	Document Title <input type="button" value="v"/>	Prime Contractor Name	<input type="text"/>
Retrieve documents that match	<input checked="" type="radio"/> All of the search criteria from every field. <input type="radio"/> Any of the search criteria from any field.	Prime Contractor Division	<input type="text"/>
Choose the desired view:	<input checked="" type="radio"/> Document View. <input type="radio"/> FileView.	Sub Contractor Name	<input type="text"/>
<input type="button" value="Search"/> <input type="button" value="Clear"/>		Sub Contractor Division	<input type="text"/>
Back to Basic Search.		Contractor Type	<input type="text"/>
Back to Browse Library.		Contract Type	<input type="text"/>
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		Submission Event	<input type="text"/>
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		Submission Type	<input type="text"/>
		Report As Of Date	<input type="text"/>
		Plan Number	<input type="text"/>

Questions?

DCARC Portal Help Desk
Jen Horner
253 564-1979 x1

DCARC Program Manager
John McGahan
253 564-1979 x2

DCARC IT Help Desk
Mark Gray
571 372-4400





Acronyms

OSD CAPE

ACAT	Acquisition Category	DoD	Department of Defense
AFCAA	Air Force Cost Analysis Agency	EAC	Estimate At Completion
AIS	Automated Information System	EMD	Engineering and Manufacturing Development
CARD	Cost Analysis Requirements Description	FCHR	Functional Cost-Hour Report
CAPE	Cost Assessment and Program Evaluation	FMS	Foreign Military Sales
CAS	Cost Accounting Standard	FRP	Full Rate Production
CBDR	Contractor Business Data Report	G&A	General and Administrative
CCDR	Contractor Cost Data Report	GFE	Government Furnished Equipment
CDR	Critical Design Review	IBR	Integrated Baseline Review
CDRL	Contractor Data Requirements List	IOT&E	Initial Operational Test and Evaluation
CDSR	Cost Data Summary Report	LRIP	Low Rate Initial Production
CFE	Contractor Furnished Equipment	MAIS	Major Automated Information System
CLS	Contractor Logistics Support	MDAP	Major Defense Acquisition Program
CSDR	Cost and Software Data Report	MIPR	Military Interdepartmental Purchase Request
CWBS	Contract Work Breakdown Structure	MIL-HDBK	Military Handbook
CWIPT	Cost Working Integrated Product Team	MIL-STD	Military Standard
DAB	Defense Acquisition Board	NCCA	Naval Center for Cost Analysis
DACIMS	Defense Automated Cost Information Management System	O&S	Operations and Support
DASA-CE	Deputy Assistant Secretary of the Army for and Economics	OIPT	Overarching Integrated Product Team
DCAA	Defense Contract Audit Agency	OSD	Office of the Secretary of Defense
DCARC	Defense Cost and Resource Center	PCR	Progress Curve Report
DCMA	Defense Contract Management Agency	PDR	Preliminary Design Review
DDCA	Deputy Director of Cost Assessment	RDT&E	Research, Development, Test and Evaluation
DFARS	Defense Federal Acquisition Regulation Supplement	RFP	Request for Proposals
DID	Data Item Description	SDD	System Development and Demonstrations
		SDRL	Subcontractor Data Requirements List
		S-R	Submit Review
		SRDR	Software Resources Data Reporting
		TD	Technology Development

BACKUP



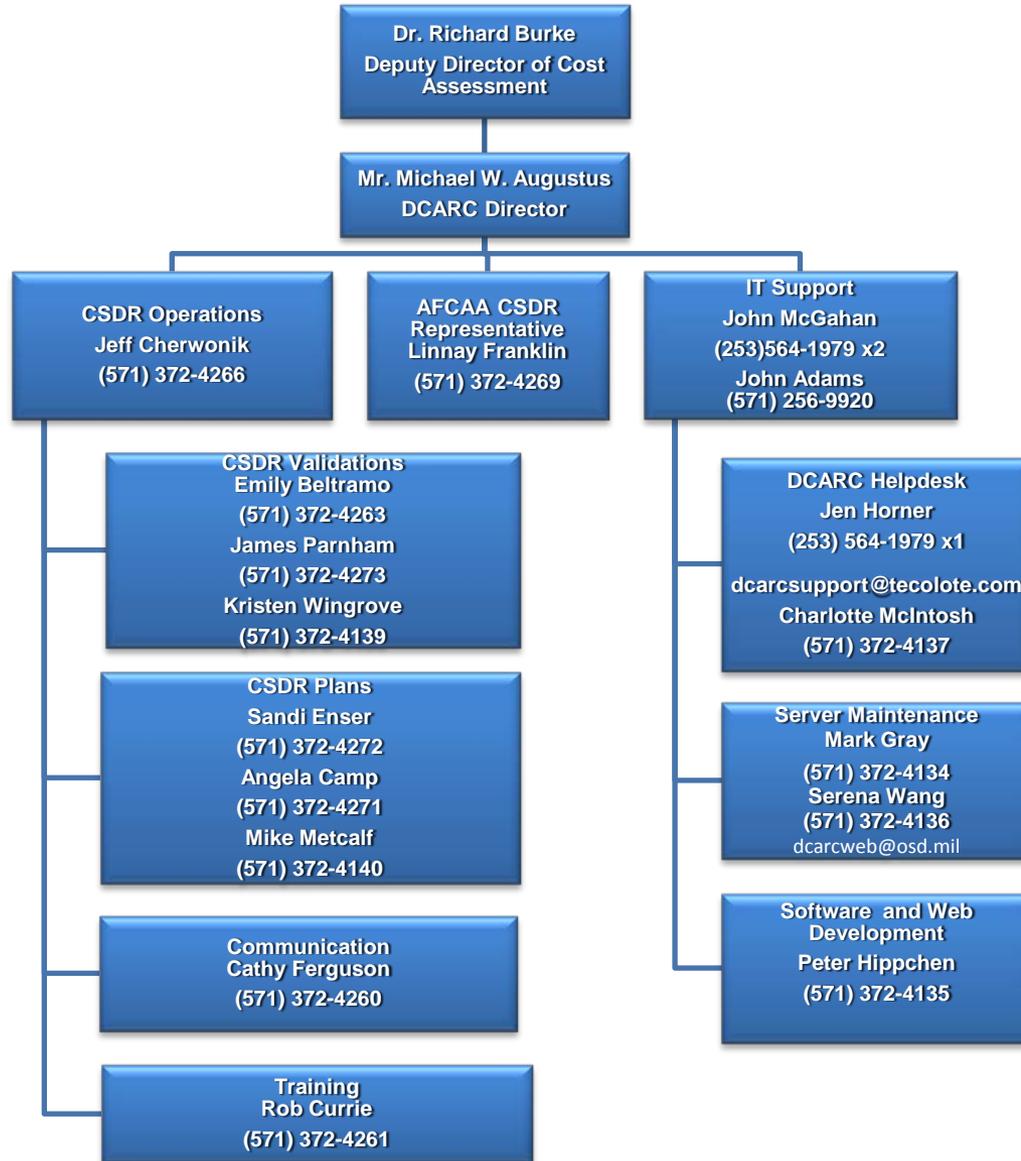
CAPE

COST ASSESSMENT & PROGRAM EVALUATION



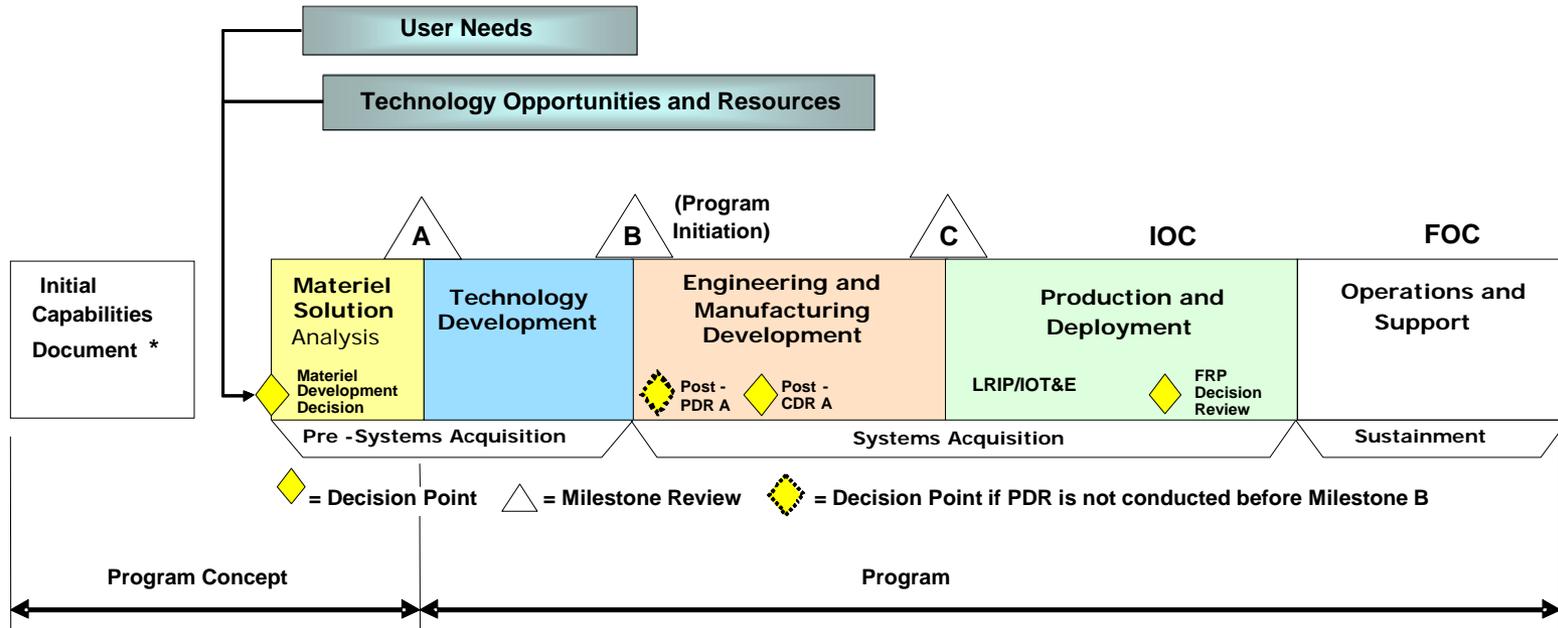
The DCARC

OSD CAPE



OSD Acquisition Process

OSD CAPE



CSDRs are collected during Development
LRIP, FRP and O&S Phases



Acquisition Categories

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Category	RDT&E Appropriation	Procurement Appropriation
MDAP → ACAT I (C&D)	>\$365M	>\$2.190B
ACAT II	\$140< to \$365M	\$660M to \$2.190B
ACAT III	>\$140M	>\$660M

Category	Annual	Acquisition	Life Cycle
MAIS → ACAT IA	>\$32M	>\$126M	>\$378M
ACAT III	<\$32M	<\$126M	<\$378M

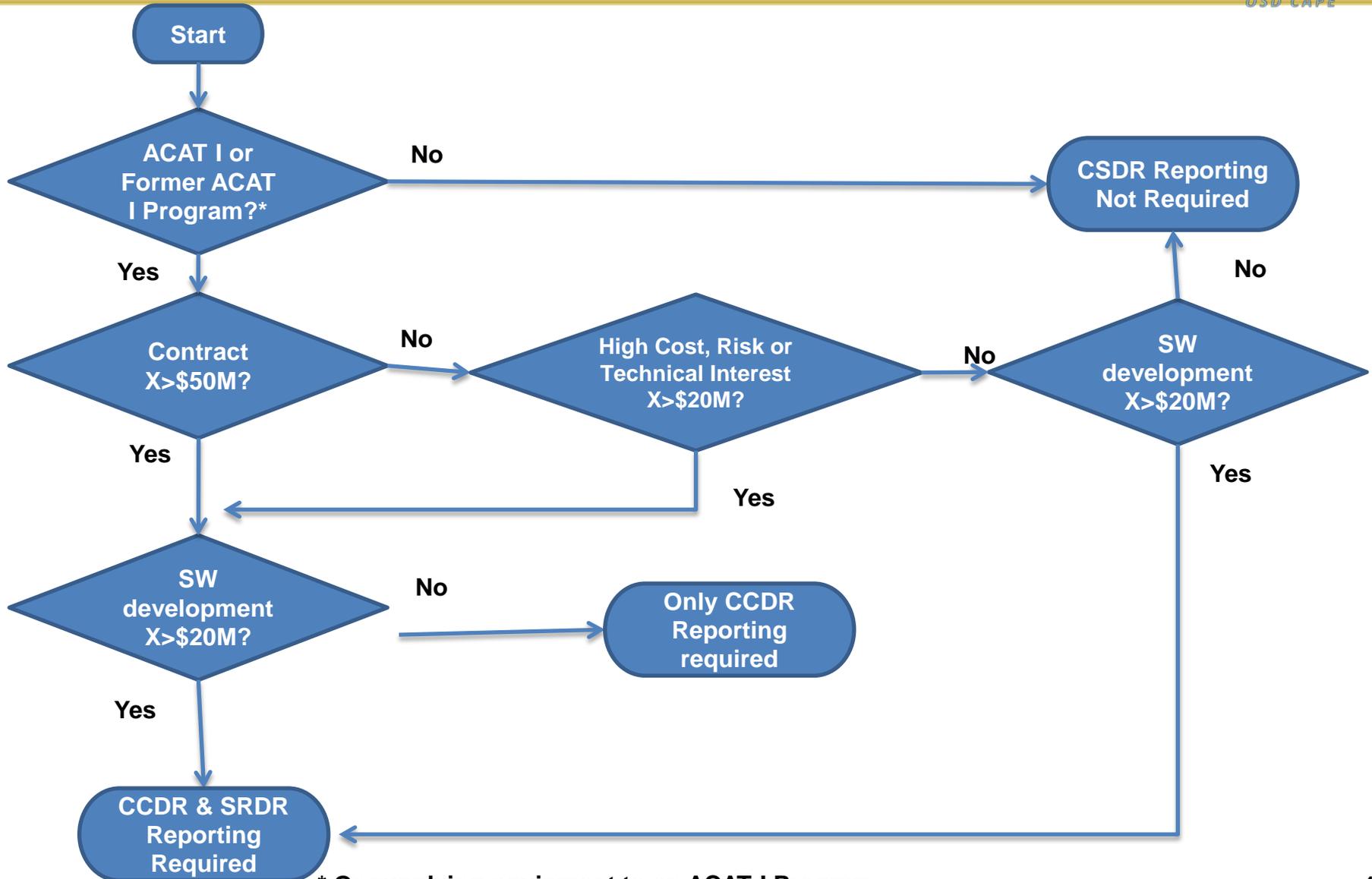
CSDRs are required on ACAT I programs and are discretionary for ACAT II (and below) programs

*ACAT thresholds are in FY 2000 constant dollars



Determination of Reporting

OSD CAPE



* Or supplying equipment to an ACAT I Program



Key Players in CSDR Process

OSD CAPE

- **Government Program Office** – Establish and manage contract process for individual MDAPs
- **OSD CAPE** – Overarching cost organization for OSD
- **Service Cost Centers** – ODASA-CE, NCCA, and AFCAA
- **DCARC** – Facilitates CSDR reporting process
- **PARCA** – Manages the EVM System and MIL-STD-881C
- **Contracting Officers** – Responsible for technical monitoring and administration of a contract
- **Reporting Contractors** – Submit cost reports for work against government contracts
- **DCAA** – Responsible for performing all contract audits for the Department of Defense and providing accounting and financial advisory services
- **DCMA** – Works directly with Defense suppliers to help ensure that supplies and services are delivered on time, at projected cost, and meet all performance requirements



Government Program Office CSDR

Roles and Responsibilities

OSD CAPE

Pre-contract award

- Inform DCARC of impending request for proposals (RFP) and contract awards
- Formally establish the CSDR IPT
- Submit all required documentation to DCARC (SOW, RDTs, CDRLs, Program, Contract, and Subcontract Plans) in accordance with CSDR DFARS clause
- Place approved CSDR plans and requirements on contract

Post-contract award

- Hold post award conference
- Ensure contractors and contracting officers comply with CSDR requirements in accordance with CSDR DFARS clause
- Participate in DCARC validation process
- Notify DCARC of changes to Statement of Work (SOW) or CSDR plan



OSD CAPE

CSDR Roles and Responsibilities

OSD CAPE

- Establish CSDR procedures and processing requirements for ACAT IA, IC and ID programs
- Deputy Director, Cost Assessment (DDCA) approves all program and contract CSDR plans
 - Before issuing RFP
 - Before contract award
 - After contract award (plan revisions)



Service Cost Center

CSDR Roles and Responsibilities

OSD CAPE

- Assist with CSDR plan development
- Ensure all CSDR data collection needs are met
 - Product oriented elements are reported beyond Level 3 for high-value, risk, or technical-interest items
 - Pertinent information provided through additional reports
 - 1921-1: Functional Cost-Hour Report
 - 1921-2: Progress Curve Report (production contracts)
 - 1921-4: Contractor Logistics Support Data Report (sustainment contracts)



DCARC

CSDR Roles and Responsibilities

OSD CAPE

- Administer CSDR system for all ACAT I programs
- Develop IT tools and manage the CSDR repository
- Facilitate CSDR plan development
- Review and approve all CSDR program, contract and subcontract plans
- Assist with approved CSDR plan revisions
- Notify reporting contractor and Program Office of discrepancies in CSDR reporting
- Ensure all CSDR requirements are satisfied
- Provide input to Defense Acquisition Executive Summary (DAES) reports and report CSDR compliance to OSD-CAPE



Reporting Entity

CSDR Roles and Responsibilities

OSD CAPE

- Prime Contractors
 - Respond to Government RFPs in accordance with the DFARS clause
 - Provide CSDR reports to the DCARC in accordance with CSDR plan and DIDs
 - Flow down CSDR reporting requirements to all applicable subcontractors
 - Ensure CSDR compliance for the prime contract and direct reporting subcontractors
- Direct Reporting Subcontractors
 - Contractual CSDR requirements flowed from the prime contractors only
 - Provide CSDR reports directly to the DCARC
- Government Organizations
 - Comprised of Government research labs and facilities, Materiel Command Subordinate Organizations, etc.