COST ASSESSMENT DATA ENTERPRISE

CADE 201

Agenda

- DD 2794 Walkthrough
- CSDR Non-Cost Reports
- The CSDR Readiness Review
- Subcontractor Flow Down
- Accessing Data in CADE

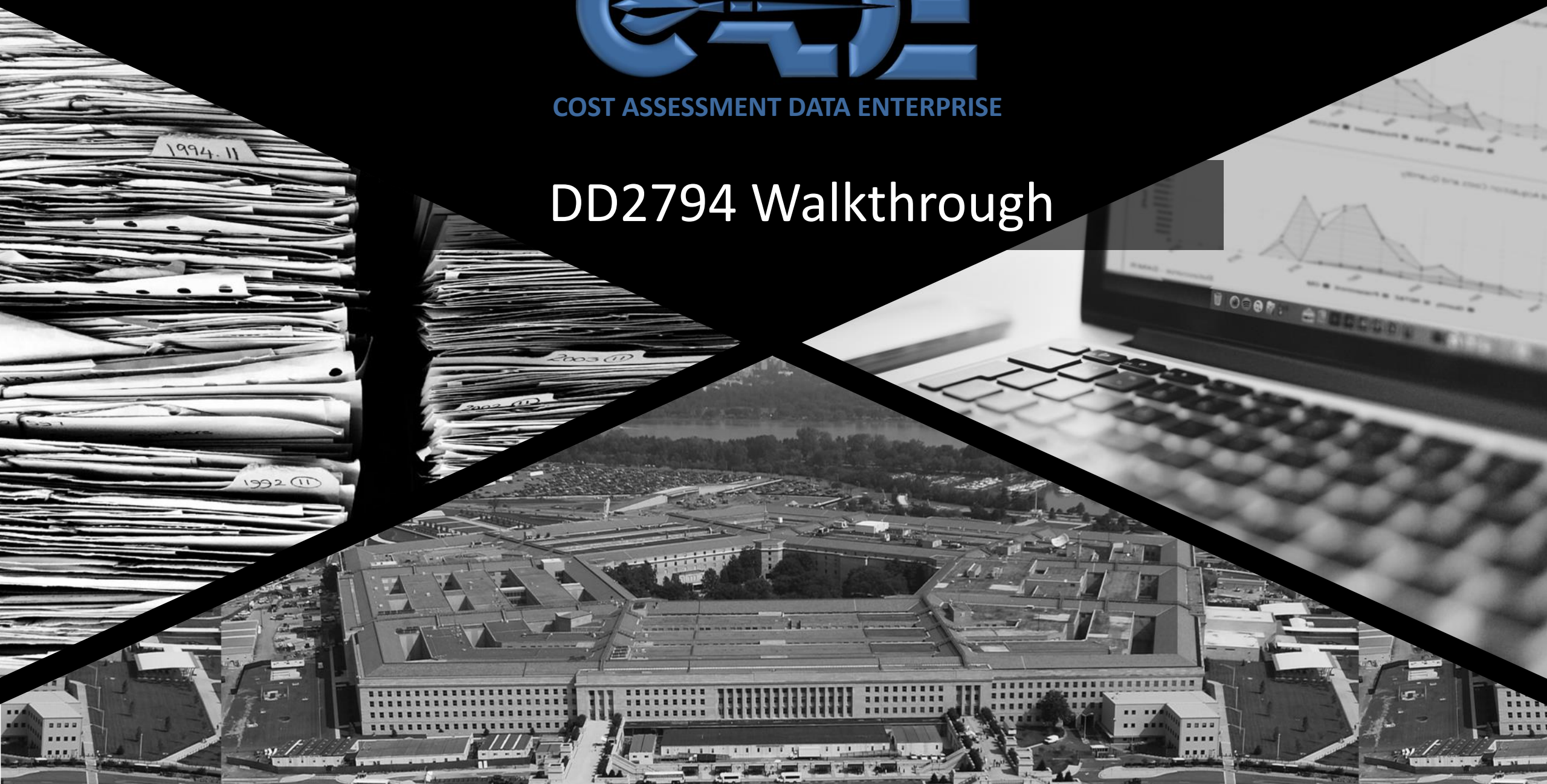
Learning Objectives

By the conclusion of this training, you will be able to:

- Understand purpose of the CSDR Plan (DD 2794), how it is organized, the planning process, and how to plan for different CSDR requirements
- Describe the non-cost CSDR requirements and the data that they collect
- Understand the importance of the CSDR Readiness Review and the policy that supports the process
- Know how CSDR requirements flow down to subcontractors

COST ASSESSMENT DATA ENTERPRISE

DD2794 Walkthrough



DD 2794 (CSDR Plan), Pg 1 (Metadata)

Program and effort

Contractor and contract

Reporting detail

- Metadata provides the “who” and the “what” is captured in the CSDR plan

COST AND SOFTWARE DATA REPORTING PLAN | *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.

1a. PROGRAM NAME

Cerberus Autonomous Vehicle Program

1b. PHASE/MILESTONE *(check all that apply)*
[ ] Pre-A
[ ] A
[X] B
[X] C-LRIP
[ ] C-FRP
[ ] O&S

1c. PRIME MISSION PRODUCT

Cerberus Autonomous Vehicles

1d. ACQUISITION CATEGORY (ACAT)
[ ] Pre-ACAT
[X] ACAT I (MDAP)
[ ] ACAT IA (MAIS)
[ ] ACAT II
[ ] ACAT III
[ ] Other

2. COMMODITY TYPE

Ground Vehicle System

3. PLAN ITERATION TYPE
[ ] INITIAL
[X] REVISION

4. CURRENT SUBMISSION DATE *(YYYYMMDD)*

20180530

5. LAST APPROVED PLAN DATE *(YYYYMMDD)*

20170228

6a. GOVERNMENT PLAN POINT OF CONTACT (POC) NAME *(Last, First, M.)*

Deeare, Cezar

6b. ADDRESS *(Include ZIP Code)*
5000 Manual Ave.
Suite 04
District of Columbia, DC 20301-1800

6c. TELEPHONE NUMBER *(Include Area Code)*

(555) 123-4567

6d. E-MAIL ADDRESS

Cezar.Deeare@programoffice.mil

7. PLAN TYPE
[ ] GOVERNMENT
[X] CONTRACT (PRIME)
[ ] CONTRACT (SUB)

8. PLAN GOVERNMENT PREPARING ORGANIZATION

Cerberus Autonomous Vehicle Program Office

9a. CONTRACTOR NAME/ADDRESS
i. REPORTING ORGANIZATION NAME

Con-Tractor, LLC

ii. DIVISION NAME

Autonomous Vehicle Division

iii. LOCATION

57th StreetSuite 123New York, NY 10019

iv. CONTRACTOR BUSINESS DATA REPORT (CBDR 1921-3) REQUIREMENT:
[X] CBDR REQUIRED FOR THIS ORGANIZATION

9b. CONTRACT NUMBER *(List all that apply, separated by commas)*

Z123D4-15-D-7890

9c. APPROPRIATION *(check all that apply)*
[X] RDT&E
[X] PROCUREMENT
[ ] O&M
[ ] FMS
[ ] WCF
[ ] OTHER

10a. APPROVED PLAN NUMBER

Z-99-C1(R2)

10b. APPROVED PLAN REVISION NUMBER

3

10c. APPROVED PLAN REQUIREMENTS
[X] AT COMPLETION COSTS FOR STANDARD FUNCTIONAL CATEGORIES (FlexFile or Legacy)
[X] AT COMPLETION COSTS FOR RECURRING/NONRECURRING (FlexFile only)
[X] TECHNICAL DATA REQUIRED

10d. COST REPORT TYPE
[X] FLEXFILE
[ ] LEGACY DD 1921 SERIES

DD 2794 (CSDR Plan), Pg 2 (Reporting)

COST AND SOFTWARE DATA REPORTING PLAN											
11. WORK BREAKDOWN STRUCTURE (WBS)			12. COST					13. TECHNICAL DATA			
a. WBS CODE	b. WBS LEVEL	c. WBS ELEMENT NAME	a. ACTUALS TO DATE (ATD)	b. LEGACY 1921-1	c. LEGACY 1921-2	d. LEGACY 1921-5	e. EAC/FAC (See item 10d)	a. QUANTITY		b. SRDR FORMATS	c. MAINT. & REPAIR PARTS
								i. QUANTITY DATA	ii. GFE QUANTITY		
1.0	1	Cerberus Autonomous Vehicles									
1.1	2	Family of Cerberus Autonomous Vehicle									
1.1.1	3	Cerberus Autonomous Vehicle (CAV)						X			
1.1.1.1	4	CAV Integration, Assembly, Test, and Checkout	X				X	X			
1.1.1.2	4	Hull/Frame/Body/Cab	X				X	X			
1.1.1.3	4	System Survivability	X				X	X			
1.1.1.4	4	Turret Assembly	X				X	X			
1.1.1.5	4	Suspension/Steering	X				X	X			
1.1.1.6	4	Vehicle Electronics	X				X	X			
1.1.1.7	4	Power Package/Drive Train						X			
1.1.1.8	4	Auxiliary Automotive	X				X	X			
1.1.1.9	4	Fire Control	X				X	X			
1.1.1.10	4	Armament						X			
1.1.1.10.3	5	Other Armament	X				X	X			
1.1.1.11	4	Automatic Ammunition Handling	X				X	X			
1.1.1.12	4	Navigation and Remote Piloting Systems	X				X	X			
1.1.1.13	4	Special Equipment	X				X	X			
1.1.1.14	4	Communications	X				X	X			
1.1.1.15	4	CAV Software Release								X	
1.1.1.15.1	5	Sensor Processing	X				X			X	
1.1.1.15.2	5	Autonomous Navigation	X				X			X	
1.1.1.15.3	5	Vehicle Control	X				X			X	
1.1.1.16	4	Other CAV Subsystems	X				X	X			
1.1.2	3	Variant 2 - UNUSED	X				X	X			
1.1.3	3	Equipment Kits	X				X	X			
1.2	2	Secondary Vehicle	X				X	X			
1.3	2	Systems Engineering									
1.3.1	3	Software Systems Engineering	X				X			X	
1.3.2	3	Integrated Logistics Support (ILS) Systems Engineering	X				X				
1.3.3	3	Cybersecurity Systems Engineering	X				X				
1.3.4	3	Core Systems Engineering	X				X				
1.3.5	3	Other Systems Engineering	X				X				
1.4	2	Program Management									
1.4.1	3	Software Program Management	X				X			X	
1.4.2	3	Integrated Logistics Support (ILS) Program Management	X				X				
1.4.3	3	Cybersecurity Management	X				X				
1.4.4	3	Core Program Management	X				X				
1.4.5	3	Other Program Management	X				X				

**WBS is provided for explanatory purposes. WBS alignment with MILSTD881F Appendix G should continue past element 1.45*

Cost Working Group Integrated Product Team (CWIPT) considerations:

- Determine a product oriented WBS that meets the needs of the cost community. CSDR standard plans provide a normalized structure that can be used to compare programs across commodities, but can and should be tailored to align with the scope of the effort
- Indicate the ***LOWEST LEVEL*** of the WBS in column 12a (ACTUALS TO DATE (ATD)) where actual cost data is required
- Indicate ***EVERY*** element for column 12e (AT COMPLETION COSTS) where forecasted data is required**
- Indicate which elements require Quantity Data Report data in box 13a
- Indicate which elements require Software Resources Data Reporting (SRDR) data in 13b
- Indicate which elements require Maintenance and Repair Parts data in 13c

***FAC level is up to CWIPT discretion*

DD 2794 (CSDR Plan), Pg 3 (Events)

COST AND SOFTWARE DATA REPORTING PLAN					
14. CSDR SUBMISSION EVENTS					
a. EVENT ID	b. DATA REPORT(S)	c. SUBMISSION EVENT NAME	d. REPORT CYCLE	e. AS OF DATE (YYYYMMDD)	f. DUE DATE (YYYYMMDD)
1	Cost and Hour Report (FlexFile), Quantity Data Report	Contract Award	Initial	20150401	20150701
2	Technical Data Report	Contract Award	Initial	20150401	20150701
3	SRDR Development	Contract Award	Initial	20150401	20150701
4	Cost and Hour Report (FlexFile), Quantity Data Report	Annual Submission 2016	Interim	20160430	20160630
5	Technical Data Report	Annual Submission 2016	Interim	20160430	20160630
6	SRDR Development	Annual Submission 2016	Interim	20160430	20160630
7	Cost and Hour Report (FlexFile), Quantity Data Report	EMD Phase Complete	Interim	20170331	20170531
8	Technical Data Report	EMD Phase Complete	Interim	20170331	20170531
9	SRDR Development	EMD Phase Complete	Interim	20170331	20170531
10	Cost and Hour Report (FlexFile), Quantity Data Report	Annual Submission 2018	Interim	20180430	20180630
11	Technical Data Report	Annual Submission 2018	Interim	20180430	20180630
12	SRDR Development	Annual Submission 2018	Interim	20180430	20180630
13	Maintenance and Repair Parts Data Report	Annual Submission 2018	Interim	20180430	20180630
14	Cost and Hour Report (FlexFile), Quantity Data Report	Annual Submission 2019	Interim	20190430	20190630
15	Technical Data Report	Annual Submission 2019	Interim	20190430	20190630
16	SRDR Development	Annual Submission 2019	Interim	20190430	20190630
17	Maintenance and Repair Parts Data Report	Annual Submission 2019	Interim	20190430	20190630
18	Cost and Hour Report (FlexFile), Quantity Data Report	Contract Complete	Final	20190930	20191130
19	Technical Data Report	Contract Complete	Final	20190930	20191130
20	SRDR Development	Contract Complete	Final	20190930	20191130
21	Maintenance and Repair Parts Data Report	Contract Complete	Final	20190930	20191130

CWIPT considerations:

- FlexFile and Quantity Data Reports are submitted together
- Event frequency should meet needs of the cost estimating and program management communities
  - Reports are typically submitted annually but can vary based on CWIPT discretion
  - Programs phases and milestones should be considered when determining events

DD 2794 (CSDR Plan), Pg 4 (Remarks)

COST AND SOFTWARE DATA REPORTING PLAN

15. REMARKS

FAC vs EAC

The checkmarks for EAC/FAC in column 12e at the WBS level shall be reported as "Forecast at Completion" (FAC). The Forecast At Completion (FAC) required here is not subject to the standards established in ANSI/EIA-748 guideline #27 (Estimate at Complete); therefore, the FAC does not need to be, but may be, derived from Industry Earned Value Management (EVM) processes.

NON-RECURRING/RECURRING DEFINITIONS

Recurring and Non-Recurring Costs required for all levels:

WBS Index and Dictionary

The WBS Dictionary is a living document and must match the technical content, cost content, and work content of each end item (see Block 17) for all WBS elements for each Cost and Hour (FlexFile) submission. The dictionary shall contain a disclosure statement detailing any differences between the CSDR reporting methodology and the reporting entity's Cost Accounting Standards. The dictionary shall include a section detailing how parts are procured under this contract and any limitations of the parts procurement cost data or allocation of cost data for the WBS element.

The reporting entity must maintain and update the WBS Dictionary throughout the life of the contract, IAW DI-FNCL-82162, if changes to the WBS occur, the reporting entity shall annotate and track changes by adding the "As of Date" of the submitted FlexFile report and indicate the changes to the WBS Index and Dictionary Definitions.

For WBS elements identified in block 11 of the CSDR plan that is not within the contract's scope of work, the reporting entity shall report in the dictionary that "This CSDR WBS element is not associated with this contract's scope of work", and zero costs will be associated for ATD and FAC for these WBS elements.

END ITEMS/ORDER LOTS SCOPE

Block 16 Orders/Lots is meant to capture the discrete Delivery Orders/Task Orders exercised on the contract. If a Delivery Order/Task Order is exercised on the contract and the CSDR plan has not been updated, it is the Reporting Entity's responsibility to still submit the dollars and hours in the FlexFile tagged to the appropriate Delivery Orders/Task Orders. The CSDR plan will be revised accordingly to include all exercised Delivery Orders/Task Orders.

COST AND HOUR REPORT UNIT/SUBLOT REPORTING

The Reporting Entity is required to provide unit or sublot (specify) reporting for any given Order/Lot and End Item as outlined in block 18 of the DD Form 2794. If Unit Reporting is selected in item 18c (Unit Reporting), it is expected that all touch labor costs and hours that are associated with the discrete units or sublots be tagged as Touch Manufacturing or Touch Maintenance as defined in Data Group E, Item 7.

QUANTITY REPORTING

a. If the quantity for a given element differs from the quantity reported for the full system, provide a comment in the WBS Element Remarks section.

b. The Reporting Entity shall provide meaningful quantity information lower than the summary level in the remarks for WBS elements Peculiar Support Equipment, Common Support Equipment, and Initial Spares and Repair Parts, if applicable.

CWIPT considerations:

- CSDR standard plans include a list of common/standard remarks that should be reviewed and edited (as needed)
- CWIPT decisions that impact CSDR reporting can be documented in remarks
- Additional instructions or clarifications can be provided to the contractor and documented in remarks

**Only FlexFile related standard Remarks*

DD 2794 (CSDR Plan), Pg 5 (Scope Def)

COST AND SOFTWARE DATA REPORTING PLAN

INTRA-CONTRACT SCOPE REPORTING DEFINITION

16. ORDERS/LOTS

a. ID	b. NAME	c. PHASE/MILESTONE
Z123D4-15-F-0001	Delivery Order 1 - EMD Phase	B
Z123D4-17-F-0002	Delivery Order 2 - LRIP 1	C-LRIP
Z123D4-18-F-0003	Delivery Order 3 - LRIP 2	C-LRIP
Z123D4-XX-F-0004…n	Delivery Order 4…n	

17. END ITEMS

a. ID	b. NAME
1_common	Common
2_GPV	General Purpose Variant
3_RV	Reconnaissance Variant
4_SSV	Supply Support Variant
5_cbk	Combat Bumper Kit
6_cjak	Countermeasure Jammer Attachment Kit
7_wk	Winch Kit

18. OPTIONAL REQUIREMENTS

a. ORDER/LOT ID	b. END ITEM ID	c. UNIT REPORTING *(X if applicable)*	d. SEQUENCING *(X if applicable)*
Z123D4-15-F-0001	2_GPV	x	x
Z123D4-15-F-0001	3_RV	x	x
Z123D4-15-F-0001	4_SSV	x	x
Z123D4-17-F-0002	2_GPV	x	x
Z123D4-17-F-0002	3_RV	x	x
Z123D4-17-F-0002	4_SSV	x	x
Z123D4-18-F-0003	2_GPV	x	x
Z123D4-18-F-0003	3_RV	x	x
Z123D4-18-F-0003	4_SSV	x	x
Z123D4-XX-F-0004…n	2_GPV	x	x
Z123D4-XX-F-0004…n	3_RV	x	x
Z123D4-XX-F-0004…n	4_SSV	x	x

CWIPT considerations:

- Indicate the Order/Lots and End Items that the contractor will be required to report dollars and hours against
  - Generate the contractually applicable items that are useful for estimating
- Indicate that Unit Reporting (18c) is required in the FlexFile for touch labor hours tagged to discrete Units or Sublots
- Indicate that Sequencing (18d) is required for Quantity Data Report for information on production output sequence
- The FlexFile Implementation Guide provides additional details regarding these items

Examples

What is Order/Lot?

Order/Lot field identifies different purchase orders on the same contract.

They will be identified by the CWIPT during the planning process in block 16.

Some examples are detailed below…

ID	Order/Lot
1	Lot 1
2	Lot 2

ID	Order/Lot
1	LRIP 1
2	LRIP 2

ID	Order/Lot
1	DO 001
2	DO 002

ID	Order/Lot
1	TO 001
2	TO 002

ID	Order/Lot
1	Prelim Design
2	Detailed Design

ID	Order/Lot
1	FY17
2	FY18

What is End Item?

End Items are uniquely identified platforms, models, versions, flights, variants, kits, services, or sustainment activities that is delivered.

They will be identified by the CWIPT during the planning process in block 17.

Some examples are detailed below…

ID	End Item
1	Variant A
2	Variant B

ID	End Item
1	Hull 100
2	Hull 101

ID	End Item
1	Kit 1
2	Kit 2

ID	End Item
1	Activity x
2	Activity y

ID	End Item
1	F-120 A
2	F-120 B

Relationship with Submission Events

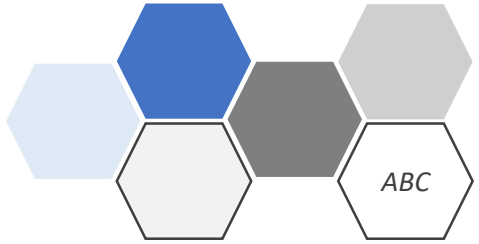
A single FlexFile submission will contain data for all of the identified End Items and Order/Lots as opposed to requiring as many submissions as there are End Items and Order/Lots.

For example, if there are five lots on a contract, the Legacy CCDRs would have been given **five submissions** for each lot.

In the FlexFile, those five lots would be detailed in the Order/Lot table (depicted below) and the data for each will be provided in a **single submission**.

ID	Order/Lot
1	Lot 1
2	Lot 2
3	Lot 3
4	Lot 4
5	Lot 5

ID is a product of the data model used to ingest the FlexFile data in CADE. Both tables would have unique IDs to identify the End Items and Order/Lots.



FlexFile Plan – Order/Lot

ID	Order/Lot
1	LRIP 1
2	LRIP 2

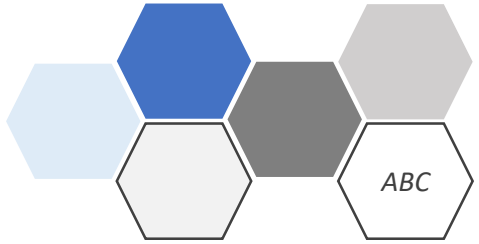
FlexFile Plan – Submission Events

Event ID	Data Reports	Submission Event Name	As of Date	Due Date
1	FlexFile, Quantity	Annual Report #1	1/1/2019	3/2/2019
2	FlexFile, Quantity	Annual Report #2	1/1/2020	3/2/2020

Legacy Plan – Submission Events

Event ID	Data Reports	Submission Event Name	As of Date	Due Date
1	CWBS Dictionary	CWBS Dictionary	1/1/2018	3/2/2018
2	1921, 1921-1	LRIP 1 Report	1/1/2019	3/2/2019
3	1921, 1921-1	LRIP 2 Report	1/1/2020	3/2/2020

- Utilizing the ***Order/Lot*** table in the FlexFile plan results in the same data as requiring a submission, say, per ***LRIP*** (same applies to all ***Purchase Orders***, including ***Delivery Orders***)
- Dollars and hours will be tagged to the discrete ***LRIPs*** using the ***Order/Lot*** data field
- Since the WBS definitions are part of the FlexFile DID, there is no need to require it on the FlexFile plan



FlexFile Plan – End Item

ID	End Item
1	Variant A
2	Variant B
3	Variant C

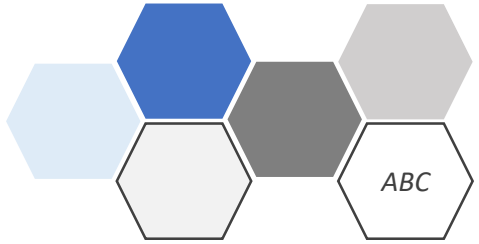
FlexFile Plan – Submission Events

Event ID	Data Reports	Submission Event Name	As of Date	Due Date
1	FlexFile, Quantity	Contract Completion	1/1/2019	3/2/2019

Legacy Plan – Submission Events

Event ID	Data Reports	Submission Event Name	As of Date	Due Date
1	CWBS Dictionary	CWBS Dictionary	1/1/2018	3/2/2018
2	1921, 1921-1	Variant A Report	1/1/2019	3/2/2019
3	1921, 1921-1	Variant B Report	1/1/2019	3/2/2019
4	1921, 1921-1	Variant C Report	1/1/2019	3/2/2019

- Utilizing the ***End Item*** table in the FlexFile plan results in the same data as requiring a submission per ***Variant***
- Dollars and hours will be tagged to the discrete ***Variants*** using the ***End Item*** data field
- Since the WBS definitions are part of the FlexFile DID, there is no need to require it on the FlexFile plan



FlexFile Plan – End Item

ID	End Item
1	Variant A
2	Variant B

FlexFile Plan – Reporting

WBS Code	WBS Level	WBS Name
1.0	1	Ground Vehicle
1.1	2	Family of Vehicles
1.1.1	3	Subsystem 1…n

Legacy Plan – Reporting

WBS Code	WBS Level	WBS Name
1.0	1	Ground Vehicle
1.1	2	Family of Vehicles
1.1.1	3	Variant A
1.1.1.1	4	Subsystem 1…n
1.1.2	3	Variant B
1.1.2.1	4	Subsystem 1…n

- Utilizing the ***End Item*** table results in the same information as breaking out the WBS by ***Variant***
- Dollars and hours will be tagged to the discrete ***Variants*** using the ***End Item*** data field
- Since the WBS is NOT broken out by ***Variant***, the CWIPT needs to ensure that the definitions provided in the FlexFile have unique ***Variant*** detail

DD 2794 (CSDR Plan), Pg 6 (SRDR Dev)

COST AND SOFTWARE DATA REPORTING PLAN - SRDR DEVELOPMENT

19. RELEASES

a. ID	b. NAME	c. DATE
1	CAV Software Release 1	20171024
2	Training Software Release 1	20180930

20. CSCI'S

a. ID	b. NAME
C1	Sensor Processing
C2	Autonomous Navigation
C3	Vehicle Control
C4	Vehicle Simulator

21. PRODUCT SIZE REPORTING ELEMENTS

a. CODE	b. NAME	c. RELEASE ID	d. CSCI ID
1.1.1.15.1	Sensor Processing	1	C1
1.1.1.15.2	Autonomous Navigation	1	C2
1.1.1.15.3	Vehicle Control	1	C3
1.6.4.1	Vehicle Simulator	2	C4

22. PRODUCT SIZE SUBMISSIONS

		c. RELEASE ID:	1	2	
a. NUMBER	b. NAME		Included?	Included?	Included?
3	Contract Award		x	x	
6	Annual Submission 2016		x	x	
7	EMD Phase Complete		x	x	
12	Annual Submission 2018		x	x	
16	Annual Submission 2019		x	x	
20	Contract Complete		x	x	

DRAFT DD FORM 2794 (PAGE 6), SRDR DEVELOPMENT, JANUARY 2019

Pg. 6, SRDR Dev is required in the CSDR plan when the Software Development Report is a deliverable

- Software release dates indicate the day in which the release ends
- CSCIs are identified, named, and mapped to Releases
- Product Size Submissions tie the Releases with the Submission events on Pg. 3 of the CSDR plan

DD 2794 (CSDR Plan), Pg 7 (SRDR Mx)

COST AND SOFTWARE DATA REPORTING PLAN - SRDR MAINTENANCE					
23. RELEASES					
a. ID	**b. NAME**	**c. DATE**			
1	Flight Control Software Maintenance Release 1 - Fixes	20220730			
2	Flight Control Software Maintenance Release 2 - Upgrades	20230730			
3	Flight Control Software Maintenance Release 3 - Enhancements	20250730			
24. PRODUCT SIZE REPORTING ELEMENTS					
a. CODE	**b. NAME**	**c. RELEASE ID**			
1.5.2.1.1	Flight Control Software Maintenance Release 1 - Fixes	1			
1.5.2.1.2	Flight Control Software Maintenance Release 2 - Upgrades	2			
1.5.2.1.3	Flight Control Software Maintenance Release 3 - Enhancements	3			
25. PRODUCT SIZE SUBMISSIONS		**c. RELEASE ID:**	1	2	3
a. NUMBER	**b. NAME**		**Included?**	**Included?**	**Included?**
3	Annual Report 1		x	x	x
5	Annual Report 2			x	x
7	Annual Report 3				x
9	Contract Completion				x

Pg. 7, SRDR Mx is required in the CSDR plan when with the Software Maintenance Report is a deliverable

- Software Maintenance reports require SRDR reporting at the Release level tagged to WBS elements (on Pg. 2 of the CSDR Plan)
- Software release dates indicate the day in which the release occurs
- Product Size Submissions tie the Releases with the Submission events on Pg. 3 of the CSDR plan

Not Cerberus, but SRDR Mx example

DD 2794 (CSDR Plan), Pg 8 (SRDR ERP)

COST AND SOFTWARE DATA REPORTING PLAN - SRDR ERP DEVELOPMENT

26. RELEASES

a. ID	b. NAME	c. DATE
1	Business Area Software Release 1	
2	Business Area Software Release 2	
3	Business Area Software Release 3	

27. PRODUCT SIZE REPORTING ELEMENTS

a. CODE	b. NAME	c. RELEASE ID
1.1.3.2.1	Business Area Software Release 1	1
1.1.3.2.2	Business Area Software Release 2	2
1.1.3.2.3	Business Area Software Release 3	3

28. PRODUCT SIZE SUBMISSIONS

		c. RELEASE ID:	1	2	3
a. NUMBER	b. NAME		Included?	Included?	Included?
2	Contract Award/Start of Release 1		x	x	x
4	End of Software Release 1/Start of Software Release 2		x	x	
6	Peliminary Design Review			x	
8	End of Software Release 2/Start of Software Release 3			x	x
10	End of Software Release 3/Contract Completion		x	x	x

Pg. 8, SRDR ERP is required in the CSDR plan when with the Software Development ERP Report

- ERP reports require SRDR reporting at the Release level tagged to WBS elements
- ERP release dates indicate the day in which the release occurs
- Product Size Submissions tie the Releases with the Submission events on Pg. 3 of the CSDR plan

Not Cerberus, but SRDR ERP example

DD 2794 (CSDR Plan), Pg 9 (Tech Rqts)

COST AND SOFTWARE DATA REPORTING PLAN - TECHNICAL PARAMETER REQUIREMENTS							
26. WBS ELEMENT CODE	27. WBS ELEMENT NAME	28. ITEM TYPE	29. TECHNICAL PARAMETER				
			a. PARAMETER NAME	b. UNIT OF MEASURE	c. UNIT OF MEASURE QUALIFIER	d. REPEATABLE	e. REMARKS
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Length	Inches	Per Vehicle		
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Width	Inches	Per Vehicle		
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Crew	Descriptor	Per Vehicle		
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Passengers	Descriptor	Per Vehicle		
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Fuel Capacity	Gallons	Per Fuel Tank		
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Ground Clearan	Inches	Per Vehicle		
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Fording Depth	Inches	Per Vehicle		
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Gap Crossing	Inches	Per Vehicle		
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Vehicle Cone In	Descriptor	Per Vehicle		
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Height	Inches	Per Vehicle		
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Gross Vehicle W	Pounds	Per Vehicle		
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Curb Weight	Pounds	Per Vehicle		
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Top Speed	Miles per Hour (mph)			
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Fuel Economy	Miles per Gallon			
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Cruise Range	Miles	Per Vehicle/Fuel Tank		
1.1.1	Cerberus Autonomous Vehicle (CAV)	SurfaceVehicle	Payload Capaci	Pounds	Per Vehicle		

CWIPT considerations include:

- Start with the core technical parameters but then tailor for contract and system specifics, account for what data is available in other CDRLs, and what is needed for estimating purposes
- Tailoring should be done during initial planning process and more so during or after CSDR Readiness Review

CSDR Standard Plans

- Improved efficiency in the Planning process is use of CSDR Standard Plans
- Drafted for all major system types as reflected in the appendices of MIL-STD-881
- These Standards serve as templates

2022 DD Form 2794 CSDR Standard Plan Product Extensions by Commodity

	2022 MIL-STD-881F based CSDR templates	Ties to MIL-STD-881F
1	Aircraft Systems	Appendix A Aircraft Systems
2	UAV Systems	Appendix A Aircraft Systems
3	Avionics Subsystems	Appendix B Electronic or Generic Systems
4	C4I Electronics Systems/Subsystems	Appendix B Electronic or Generic Systems
5	C4I Radar System/Subsystems	Appendix B Electronic or Generic Systems
6	Electronic/Generic Systems/Subsystems	Appendix B Electronic or Generic Systems
7	Electronic Warfare Subsystems	Appendix B Electronic or Generic Systems
8	Engine Subsystems	Appendix B Electronic or Generic Systems
9	Generic Subcontractor System/Subsystems	Appendix B Electronic or Generic Systems
10	Missile-Ordnance Systems	Appendix C Missile/Ordnance Systems
11	Strategic Missile Systems	Appendix D Strategic Missile Systems
12	Sea Systems	Appendix E Sea Systems
13	Space Systems	Appendix F Space Systems
14	Ground Vehicle System	Appendix G Ground Vehicle Systems
15	Unmanned Maritime Systems	Appendix H Unmanned Maritime Systems
16	Launch Vehicle Systems	Appendix I Launch Vehicle Systems
17	IS-DBS (Information System-Defense Business System)	Appendix J Information Systems/Defense Business Systems
18	(DRAFT) DevSecOps	No Equivalent
19	Launch Services	No Equivalent
20	Launch Service Support	No Equivalent
21	Sustainment	Refer to Appendix L
22	Training Systems (Weapons/Maintenance)	No Equivalent

Standard plans and MILSTD are starting point but can be tailored

COST ASSESSMENT DATA ENTERPRISE

CSDR Non-Cost Reports

Types of CSDRs – FlexFiles

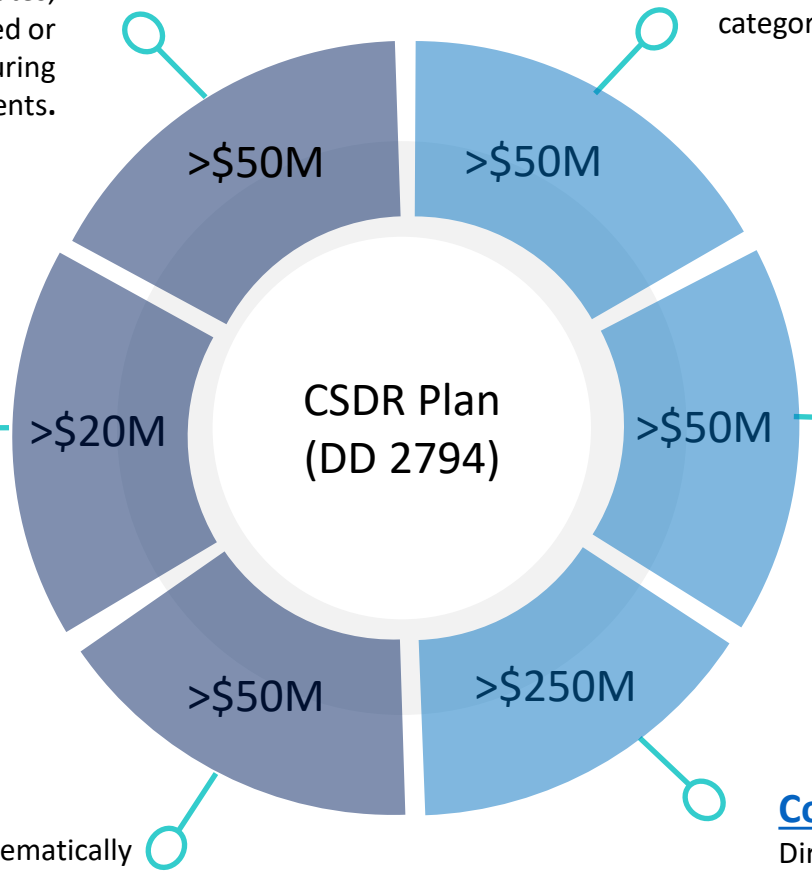
Maintenance and Repair (M/R)

List of touch maintenance events, with dates, durations, maintenance cause codes, planned or unplanned, etc. and a list of parts consumed during those maintenance events.

Cost and Hour Report (FlexFile)

Actual cost and hours according to government standard categories and contractor native structures.

FlexFile 101



Software Resource Data Reports (SRDRs)

Size, schedule & effort on data on software development

Quantity Data Report

Ties the necessary quantity information to the FlexFile

Technical Data Report

Provides context to the cost data by systematically capturing technical data parameters on contracts

Contractor Business Data Report (DD 1921-3)

Direct & Indirect cost, hour & employee data by functional category for a Contractor Business Unit

>$50M = contract reporting threshold
>$20M = scope reporting threshold
>$250M = business entity contracts reporting threshold

COST ASSESSMENT DATA ENTERPRISE

Software Resources Data Report

Software Resources Data Report (SRDR) Overview

- SRDR CDRL
  - The 'S' in C**S**DR – longest-running Technical companion to Cost
  - Captures Size and Complexity of software and associated developer Capability
  - Development, Maintenance, and ERP formats
  - DD Form 3026 series enable direct ingest into CADE

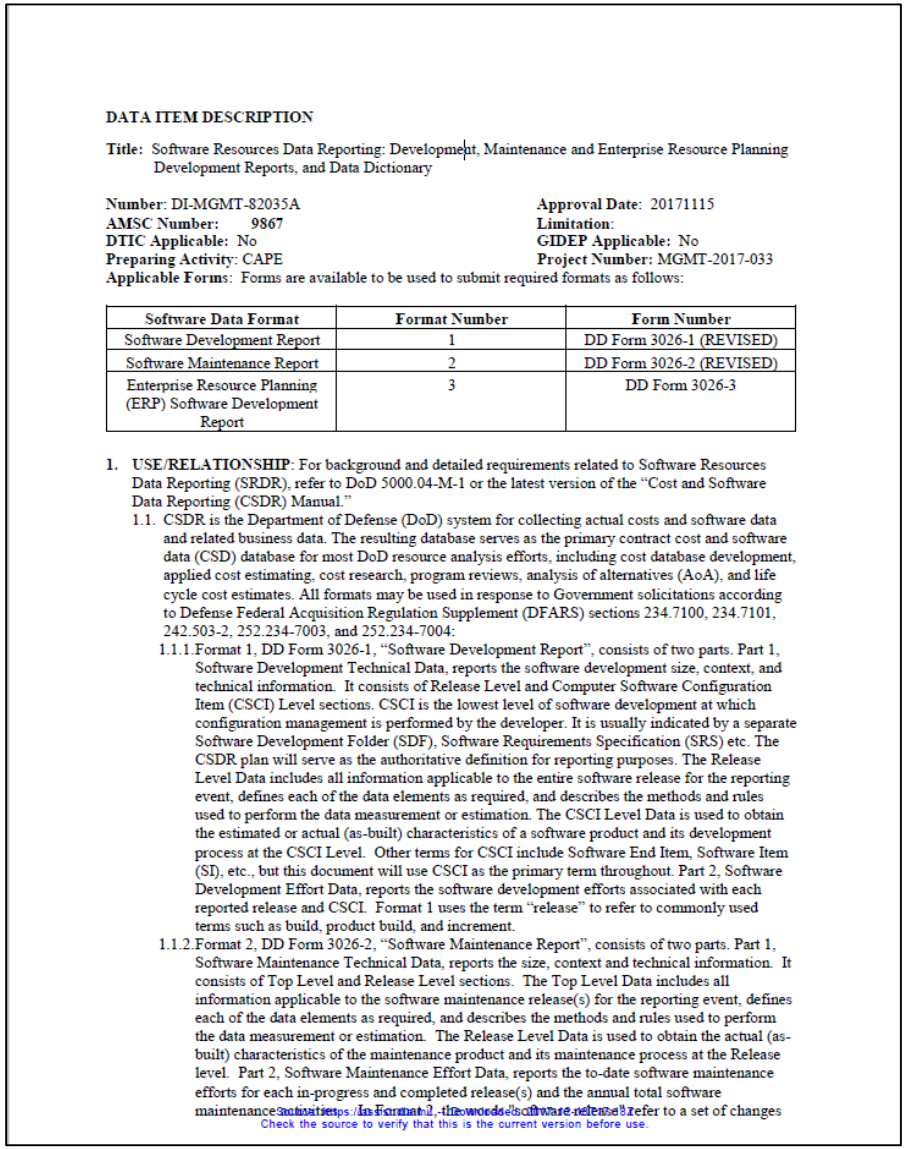
- How SRDR Relates to the FlexFile
  - Provides insight to cost and schedule drivers for software efforts
  - Specifies which software activities are included in labor hours
  - Hours reported in the SRDR (Part 2 of the Form) should align with data reported in the FlexFile
  - Captures SW growth over time

- SRDR Data Access
  - Downloadable Excel files from CSDR Browse
  - New dimensional export encompass recent and migrated SRDRs
  - SRDR Data Compilation (aka NAVAIR Database) still available in the DTM Hub and CADE Library

- SRDR Analyst Applications
  - SLOC and non-SLOC based metrics aligned with hours and dollars for use in cost estimates
  - Enables risk analyses based on historical code and requirements growth
  - Provides the application domain and description of code use to allow for cross-commodity analysis or comparisons

SRDR DID

- SRDR Data Item Description (DID), DI-MGMT-82035A
  - 3 Formats
    - Format 1, Software Development Report, DD Form 3026-1
    - Format 2, Software Maintenance Report, DD Form 3026-2
    - Format 3, Software Enterprise Resource Planning (ERP) Development Report, DD Form 3026-3
  - Each Format contains two Parts
    - Part 1 contains identifying information, software size, schedule and technical characteristics
    - Part 2 contains effort data by month for direct reporting entities, as well as any subcontracted effort



DATA ITEM DESCRIPTION

Title: Software Resources Data Reporting: Development, Maintenance and Enterprise Resource Planning Development Reports, and Data Dictionary

Number: DI-MGMT-82035A
AMSC Number: 9867
DTIC Applicable: No
Preparing Activity: CAPE
Approval Date: 20171115
Limitation:
GIDEP Applicable: No
Project Number: MGMT-2017-033
Applicable Forms: Forms are available to be used to submit required formats as follows:

Software Data Format	Format Number	Form Number
Software Development Report	1	DD Form 3026-1 (REVISED)
Software Maintenance Report	2	DD Form 3026-2 (REVISED)
Enterprise Resource Planning (ERP) Software Development Report	3	DD Form 3026-3

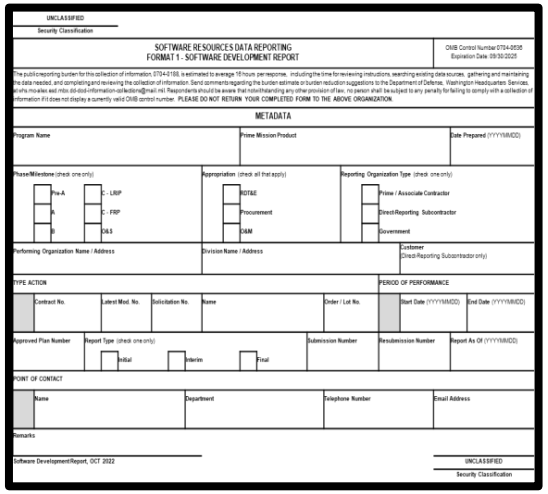
1. **USE/RELATIONSHIP**: For background and detailed requirements related to Software Resources Data Reporting (SRDR), refer to DoD 5000.04-M-1 or the latest version of the "Cost and Software Data Reporting (CSDR) Manual."
   1.1. CSDR is the Department of Defense (DoD) system for collecting actual costs and software data and related business data. The resulting database serves as the primary contract cost and software data (CSD) database for most DoD resource analysis efforts, including cost database development, applied cost estimating, cost research, program reviews, analysis of alternatives (AoA), and life cycle cost estimates. All formats may be used in response to Government solicitations according to Defense Federal Acquisition Regulation Supplement (DFARS) sections 234.7100, 234.7101, 242.503-2, 252.234-7003, and 252.234-7004:
   1.1.1. Format 1, DD Form 3026-1, "Software Development Report", consists of two parts. Part 1, Software Development Technical Data, reports the software development size, context, and technical information. It consists of Release Level and Computer Software Configuration Item (CSCI) Level sections. CSCI is the lowest level of software development at which configuration management is performed by the developer. It is usually indicated by a separate Software Development Folder (SDF), Software Requirements Specification (SRS) etc. The CSDR plan will serve as the authoritative definition for reporting purposes. The Release Level Data includes all information applicable to the entire software release for the reporting event, defines each of the data elements as required, and describes the methods and rules used to perform the data measurement or estimation. The CSCI Level Data is used to obtain the estimated or actual (as-built) characteristics of a software product and its development process at the CSCI Level. Other terms for CSCI include Software End Item, Software Item (SI), etc., but this document will use CSCI as the primary term throughout. Part 2, Software Development Effort Data, reports the software development efforts associated with each reported release and CSCI. Format 1 uses the term "release" to refer to commonly used terms such as build, product build, and increment.
   1.1.2. Format 2, DD Form 3026-2, "Software Maintenance Report", consists of two parts. Part 1, Software Maintenance Technical Data, reports the size, context and technical information. It consists of Top Level and Release Level sections. The Top Level Data includes all information applicable to the software maintenance release(s) for the reporting event, defines each of the data elements as required, and describes the methods and rules used to perform the data measurement or estimation. The Release Level Data is used to obtain the actual (as-built) characteristics of the maintenance product and its maintenance process at the Release level. Part 2, Software Maintenance Effort Data, reports the to-date software maintenance efforts for each in-progress and completed release(s) and the annual total software maintenance activities. In Format 2, the words "software release" refer to a set of changes

https://[illegible]
Check the source to verify that this is the current version before use.

Software Development Report Structure

Key software metrics for requirements, volatility, and sizing (i.e. SLOC, Agile, etc.)

- **Common Heading**


UNCLASSIFIED
Security Classification

SOFTWARE RESOURCES DATA REPORTING
FORMAT 1 - SOFTWARE DEVELOPMENT REPORT

OMB Control Number 0704-0836
Expiration Date: 09/30/2025

The public reporting burden for this collection of information, 0704-0188, 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 the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. 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.

METADATA

Program Name | Prime Mission Product | Date Prepared (YYYYMMDD)

Phase/Milestone (check one only): Pre-A, A, B, C - LRIP, C - FRP, O&S
Appropriation (check all that apply): RDT&E, Procurement, O&M
Reporting Organization Type (check one only): Prime / Associate Contractor, Direct-Reporting Subcontractor, Government

Performing Organization Name / Address | Division Name / Address | Customer (Direct-Reporting Subcontractor only)

TYPE ACTION | PERIOD OF PERFORMANCE

Contract No. | Latest Mod. No. | Solicitation No. | Name | Order / Lot No. | Start Date (YYYYMMDD) | End Date (YYYYMMDD)

Approved Plan Number | Report Type (check one only): Initial, Interim, Final | Submission Number | Resubmission Number | Report As Of (YYYYMMDD)

POINT OF CONTACT

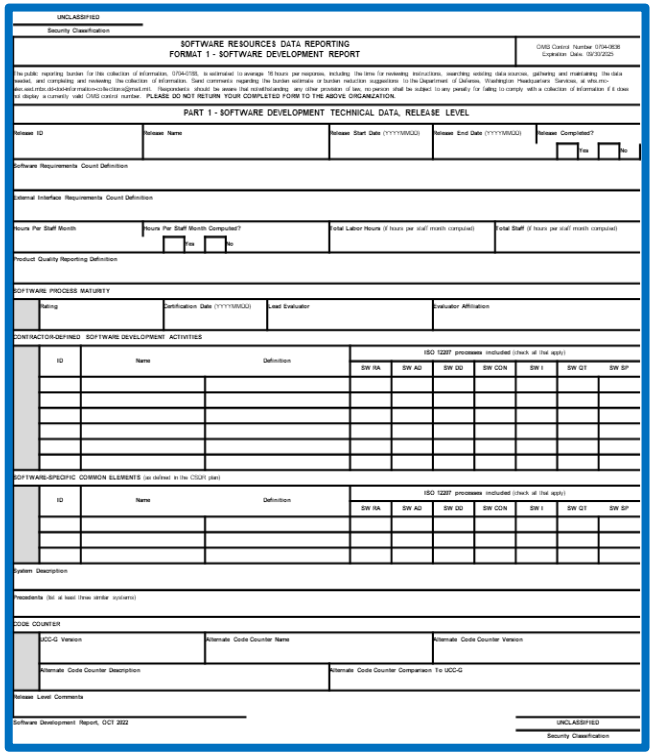
Name | Department | Telephone Number | Email Address

Remarks

Software Development Report, OCT 2022

UNCLASSIFIED
Security Classification

- **Part 1, Release Level**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SOFTWARE RESOURCES DATA REPORTING
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PART 1 - SOFTWARE DEVELOPMENT TECHNICAL DATA, RELEASE LEVEL

Release ID | Release Name | Release Start Date (YYYYMMDD) | Release End Date (YYYYMMDD) | Release Completed? (Yes / No)

Software Requirements Count Definition

External Interface Requirements Count Definition

Hours Per Staff Month | Hours Per Staff Month Computed? (Yes / No) | Total Labor Hours (if hours per staff month computed) | Total Staff (if hours per staff month computed)

Product Quality Reporting Definition

SOFTWARE PROCESS MATURITY

Rating | Certification Date (YYYYMMDD) | Lead Evaluator | Evaluator Affiliation

CONTRACTOR-DEFINED SOFTWARE DEVELOPMENT ACTIVITIES

ID	Name	Definition	ISO 12207 processes included (check all that apply): SW RA	SW AD	SW DD	SW CON	SW I	SW QT	SW SP

SOFTWARE-SPECIFIC COMMON ELEMENTS (as defined in the CSDR plan)

ID	Name	Definition	ISO 12207 processes included (check all that apply): SW RA	SW AD	SW DD	SW CON	SW I	SW QT	SW SP

System Description

Precedents (list at least three similar systems)

CODE COUNTER

UCC-G Version | Alternate Code Counter Name | Alternate Code Counter Version

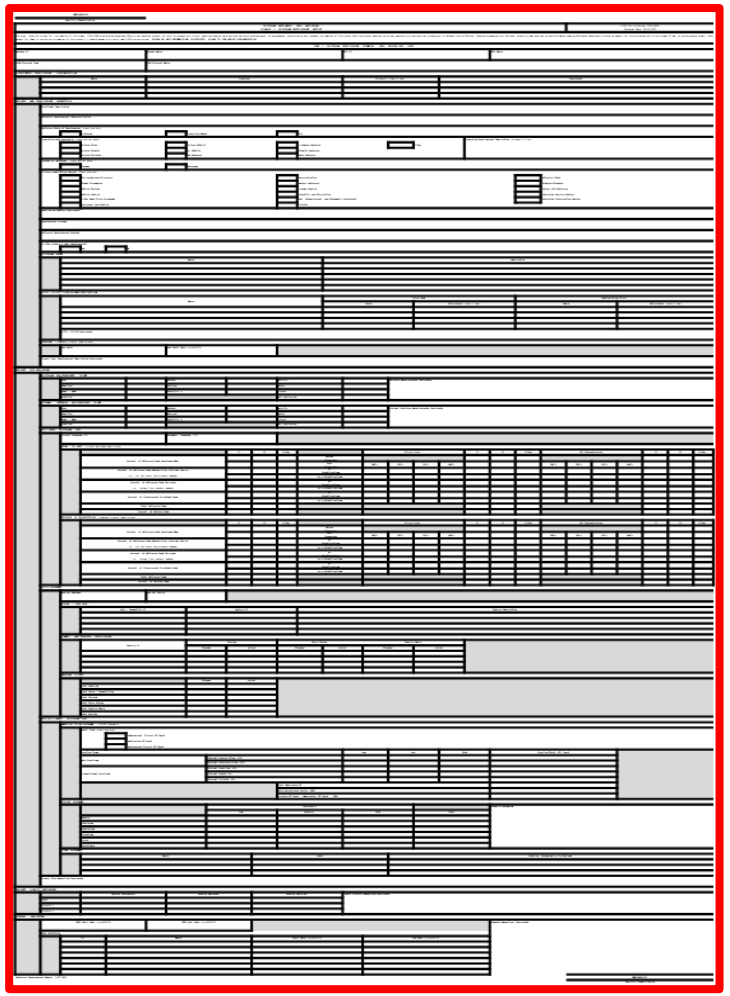
Alternate Code Counter Description | Alternate Code Counter Comparison To UCC-G

Release Level Comments

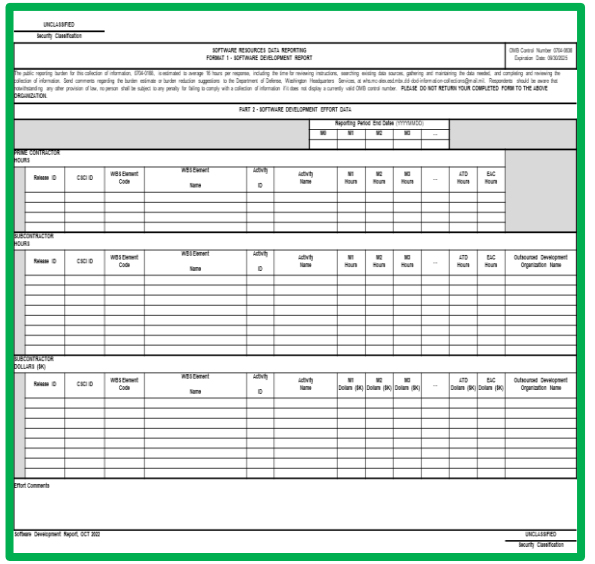
Software Development Report, OCT 2022

UNCLASSIFIED
Security Classification

- **Part 1, Release-CSCI Level**



- **Part 2**


UNCLASSIFIED
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SOFTWARE RESOURCES DATA REPORTING
FORMAT 1 - SOFTWARE DEVELOPMENT REPORT

OMB Control Number 0704-0836
Expiration Date: 09/30/2025

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PART 2 - SOFTWARE DEVELOPMENT EFFORT DATA

Reporting Period: End Dates (YYYYMMDD): M1 | M2 | M3 | ...

PRIME CONTRACTOR HOURS

Release ID	CSCI ID	WBS Element Code	WBS Element Name	Activity ID	Activity Name	M1 Hours	M2 Hours	M3 Hours	...	ATD Hours	ESAC Hours

SUBCONTRACTOR HOURS

Release ID	CSCI ID	WBS Element Code	WBS Element Name	Activity ID	Activity Name	M1 Hours	M2 Hours	M3 Hours	...	ATD Hours	ESAC Hours	Outsourced Development Organization Name

SUBCONTRACTOR DOLLARS (K)

Release ID	CSCI ID	WBS Element Code	WBS Element Name	Activity ID	Activity Name	M1 Dollars (K)	M2 Dollars (K)	M3 Dollars (K)	...	ATD Dollars (K)	ESAC Dollars (K)	Outsourced Development Organization Name

Effort Comments

Software Development Report, OCT 2022

UNCLASSIFIED
Security Classification

The SRDR Format 1 is a Microsoft Excel file that includes the four tabs/worksheets as shown here, but in the data submission the Part 1, Release Level and the Part 1, Release-CSCI tabs should be replicated for EACH Release and CSCI listed in the CSDR Plan

Time phased effort hours by CSCI activity and software WBS elements

COST ASSESSMENT DATA ENTERPRISE

SRDR Dev (3026-1 Form) Walkthrough

DD 3026-1 – Common Heading

UNCLASSIFIED

Security Classification

SOFTWARE RESOURCES DATA REPORTING FORMAT 1 - SOFTWARE DEVELOPMENT REPORT	OMB Control Number xxxx-xxxx

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METADATA

Program Name	**Prime Mission Product**	**Date Prepared** (YYYYMMDD)

Phase/Milestone (check one only)	**Appropriation** (check all that apply)	**Reporting Organization Type** (check one only)
☐ Pre-A ☐ C - LRIP	☐ RDT&E	☐ Prime / Associate Contractor
☐ A ☐ C - FRP	☐ Procurement	☐ Direct-Reporting Subcontractor
☐ B ☐ O&S	☐ O&M	☐ Government

Performing Organization Name / Address	**Division Name / Address**	**Customer** (Direct-Reporting Subcontractor only)

TYPE ACTION						**PERIOD OF PERFORMANCE**		
	Contract No.	**Latest Mod. No.**	**Solicitation No.**	**Name**	**Order / Lot No.**		**Start Date** (YYYYMMDD)	**End Date** (YYYYMMDD)

Approved Plan Number	**Report Type** (check one only)	**Submission Number**	**Resubmission Number**	**Report As Of** (YYYYMMDD)
	☐ Initial ☐ Interim ☐ Final			

POINT OF CONTACT

	Name	**Department**	**Telephone Number**	**Email Address**

Remarks

Consistent across all CSDR reporting. Metadata is the same for Development, Maintenance, and ERP formats

Software Development Report, MMM YYYY

UNCLASSIFIED

Security Classification

DD 3026-1 – Part 1, Release Level

UNCLASSIFIED

Security Classification

SOFTWARE RESOURCES DATA REPORTING
FORMAT 1 - SOFTWARE DEVELOPMENT REPORT

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OMB control number. **PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE ABOVE ORGANIZATION.**

Start of Release-Level reporting. This information is completed for each Software Release.

PART 1 - SOFTWARE DEVELOPMENT TECHNICAL DATA, RELEASE LEVEL

Release ID	**Release Name**	**Release Start Date** (YYYYMMDD)	**Release End Date** (YYYYMMDD)	**Release Completed?** ☐ **Yes** ☐ **No**

Consistent with CSDR Plan Page 6

Software Requirements Count Definition

External Interface Requirements Count Definition

Hours Per Staff Month	**Hours Per Staff Month Computed?** ☐ **Yes** ☐ **No**	**Total Labor Hours** (if hours per staff month computed)	**Total Staff** (if hours per staff month computed)

Product Quality Reporting Definition

SOFTWARE PROCESS MATURITY

	Rating	**Certification Date** (YYYYMMDD)	**Lead Evaluator**	**Evaluator Affiliation**

Contractor-defined activities mapped to ISO 12207 Processes

CONTRACTOR-DEFINED SOFTWARE DEVELOPMENT ACTIVITIES

ID	**Name**	**Definition**	**ISO 12207 processes included** (check all that apply)						
			SW RA	**SW AD**	**SW DD**	**SW CON**	**SW I**	**SW QT**	**SW SP**

DD 3026-1 – Part 1, Release Level

SOFTWARE-SPECIFIC COMMON ELEMENTS (as defined in the CSDR plan)

	ID	Name	Definition	ISO 12207 processes included (check all that apply)						
				SW RA	SW AD	SW DD	SW CON	SW I	SW QT	SW SP

System Description

Precedents (list at least three similar systems)

CODE COUNTER

	UCC-G Version	Alternate Code Counter Name	Alternate Code Counter Version
	Alternate Code Counter Description	Alternate Code Counter Comparison To UCC-G	

Release Level Comments

Common Elements included in CSDR Plan like Software Program Management, etc.

Release-Level reporting continued. This information is completed for each Software Release.

DD 3026-1 – Part 1, Release-CSCI Level

SOFTWARE RESOURCES DATA REPORTING FORMAT 1 - SOFTWARE DEVELOPMENT REPORT	OMB Control Number xxxx-xxxx

The public reporting burden for this collection of information, 0704-0188, 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 the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. 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.**

PART 1 - SOFTWARE DEVELOPMENT TECHNICAL DATA, RELEASE-CSCI LEVEL

Release ID	Release Name	CSCI ID	CSCI Name

WBS Element Code	WBS Element Name

Consistent with CSDR Plan Page 6

OUTSOURCED DEVELOPMENT ORGANIZATIONS

Name	Location	Primary? (check if Yes)	Comments

PRODUCT AND DEVELOPMENT DESCRIPTION

Functional Description

Software Development Characterization

Software State of Development (check one only)

☐ Prototype ☐ Production-Ready ☐ Mix

Operating Environment(s) (check all that apply)

☐ Surface Fixed	☐ Surface Vehicle	☐ Ordnance Systems	☐ Other	**Operating Environment Description** (provide if Other)
☐ Surface Mobile	☐ Air Vehicle	☐ Missile Systems		
☐ Surface Portable	☐ Sea Systems	☐ Space Systems		

Manned vs Unmanned (check all that apply)

☐ Manned ☐ Unmanned

Start of CSCI-Level reporting. This information is completed for each CSCI.

DD 3026-1 – Part 1, Release-CSCI Level

Primary Application Domain (check one only)

☐ Microcode and Firmware	☐ Communication	☐ Software Tools
☐ Signal Processing	☐ System Software	☐ Mission Planning
☐ Vehicle Payload	☐ Process Control	☐ Custom AIS Software
☐ Vehicle Control	☐ Scientific and Simulation	☐ Enterprise Service System
☐ Other Real-Time Embedded	☐ Test, Measurement, and Diagnostic Equipment	☐ Enterprise Information System
☐ Command and Control	☐ Training	

Application Domain Comments

Development Process

Software Development Method

Is this product a new development?

☐ Yes ☐ No

SOFTWARE REUSE

	Name	Description

Brief with Application Domain definitions included on CADE public website https://cade.osd.mil/srdr

CSCI-Level reporting continued. This information is completed for each CSCI.

DD 3026-1 – Part 1, Release-CSCI Level

COTS / GOTS / OPEN-SOURCE APPLICATIONS				
Name	Glue Code		Configuration Effort	
	Count	Estimated? (check if Yes)	Hours	Estimated? (check if Yes)
COTS / GOTS Comments				

STAFFING (Initial and Interim reports only)		
Peak Staff	Peak Staff Date (YYYYMMDD)	
Product And Development Description Comments		

PRODUCT SIZE REPORTING						
SOFTWARE REQUIREMENTS COUNT						
Total		Deleted		Security		Software Requirements Comments
Inherited		Deferred		Safety		
Added / New		Volatility %		Privacy		
Modified				Cert and Accred		
EXTERNAL INTERFACE REQUIREMENTS COUNT						
Total		Deleted		Security		External Interface Requirements Comments
Inherited		Deferred		Safety		
Added / New		Volatility %		Privacy		
Modified				Cert and Accred		

CSCI-Level reporting continued. This information is completed for each CSCI.

DD 3026-1 – Part 1, Release-CSCI Level

SLOC-Based Software Size reporting using Unified Code Counter (UCC)

SLOC-BASED SOFTWARE SIZE

Primary Language (L1)	Secondary Language (L2)

ACTUAL TO DATE (Interim and Final reports only)

		L1	L2	Other		Reporting Organization				L1	L2	Other	All Subcontractors				L1	L2	Other
Amount of Delivered Code Developed New					**Human Generated**														
					Auto Generated	**DM%**	**CM%**	**IM%**	**AAF%**				**DM%**	**CM%**	**IM%**	**AAF%**			
Amount of Delivered Code Reused From External Source (i.e., not carryover from previous release)					**w/ Modifications**														
					w/o Modifications														
Amount of Delivered Code Carryover (i.e., reused from previous release)					**w/ Modifications**														
					w/o Modifications														
Amount of Government Furnished Code					**w/ Modifications**														
					w/o Modifications														
Total Delivered Code																			
Amount of Deleted Code																			

ESTIMATE AT COMPLETION (Initial and Interim reports only)

		L1	L2	Other		Reporting Organization				L1	L2	Other	All Subcontractors				L1	L2	Other
Amount of Delivered Code Developed New					**Human Generated**														
					Auto Generated	**DM%**	**CM%**	**IM%**	**AAF%**				**DM%**	**CM%**	**IM%**	**AAF%**			
Amount of Delivered Code Reused From External Source (i.e., not carryover from previous release)					**w/ Modifications**														
					w/o Modifications														
Amount of Delivered Code Carryover (i.e., reused from previous release)					**w/ Modifications**														
					w/o Modifications														
Amount of Government Furnished Code					**w/ Modifications**														
					w/o Modifications														
Total Delivered Code																			
Amount of Deleted Code																			

CSCI-Level reporting continued. This information is completed for each CSCI.

DD 3026-1 – Part 1, Release-CSCI Level

AGILE MEASURES

Days Per Release	Days Per Sprint

Agile Measures reported in addition to SLOC

RELEASE / CSCI MAP

Epic / Capability ID	Feature ID	Feature Description

PLANNED AND ACHIEVED DEVELOPMENT

Feature ID	Stories		Story Points		Feature Hours	
	Planned	Actual	Planned	Actual	Planned	Actual

SUMMARY TOTALS

	Planned	Actual
Total Features		
Total Epics / Capabilities		
Total Stories		
Total Story Points		
Total Feature Hours		
Total Sprints		

CSCI-Level reporting continued. This information is completed for each CSCI.

DD 3026-1 – Part 1, Release-CSCI Level

NON-SLOC-BASED SOFTWARE SIZE

FUNCTION POINT MEASURE (IFPUG Standard)

Count Type (check one only)

- ☐ **Enhancement Project FP Count**
- ☐ **Application FP Count**
- ☐ **Development Project FP Count**

Function Types		Low	Avg	High	Function Point (FP) Count
Data Functions	Internal Logical Files (ILF)				
	External Interface Files (EIF)				
Transactional Functions	External Inquiries (EQ)				
	External Inputs (EI)				
	External Outputs (EO)				
	Total Unadjusted FP				
	Value Adjustment Factor (VAF)				
	Adjusted FP Count (Unadjusted FP Count * VAF)				

RICE-FW MEASURE

	Complexity				Measure Standards
	Low	Medium	High	Total	
Reports					
Interfaces					
Conversions					
Extensions					
Forms					
Workflows					

If being used on the program, other Non-SLOC Based Measures can be reported

For ERP programs, RICE-FW measures are the preferred size metric

CSCI-Level reporting continued. This information is completed for each CSCI.

DD 3026-1 – Part 1, Release-CSCI Level

OTHER MEASURES

Name	Count	Counting Standards or Guidelines

Product Size Reporting Comments

PRODUCT QUALITY REPORTING

	Defects Discovered	Defects Removed	Defects Deferred	Product Quality Reporting Comments
Total				
Priority 1				
Priority 2				

SCHEDULE REPORTING

CSCI Start Date (YYYYMMDD)	CSCI End Date (YYYYMMDD)		Schedule Reporting Comments

CSCI ACTIVITIES

ID	Name	Start Date (YYYYMMDD)	End Date (YYYYMMDD)

Contractor-defined CSCI activities

CSCI-Level reporting continued. This information is completed for each CSCI.

DD 3026-1 – Part 2

PART 2 - SOFTWARE DEVELOPMENT EFFORT DATA

						Reporting Period End Dates (YYYYMMDD)						
						M0	M1	M2	…			

Monthly effort reporting

REPORTING ORGANIZATION HOURS

Release ID	CSCI ID	WBS Element Code	WBS Element Name	Activity ID	Activity Name	M1 Hours	M2 Hours	…	ATD Hours	EAC Hours

SUBCONTRACTOR HOURS

Release ID	CSCI ID	WBS Element Code	WBS Element Name	Activity ID	Activity Name	M1 Hours	M2 Hours	…	ATD Hours	EAC Hours	Outsourced Development Organization Name

SUBCONTRACTOR DOLLARS ($K)

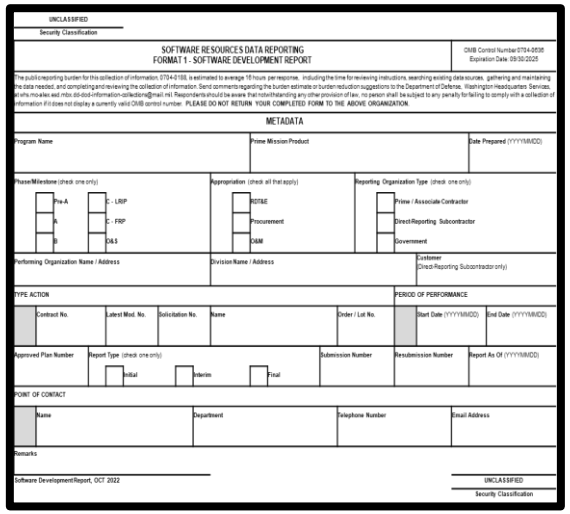
Release ID	CSCI ID	WBS Element Code	WBS Element Name	Activity ID	Activity Name	M1 Dollars ($K)	M2 Dollars ($K)	…	ATD Dollars ($K)	EAC Dollars ($K)	Outsourced Development Organization Name

Aligns with Page 2 and Page 6 of the CSDR Plan. Should also align with the FlexFile Submission.

Aligns with any contractor-defined activities

Software Maintenance Report Structure

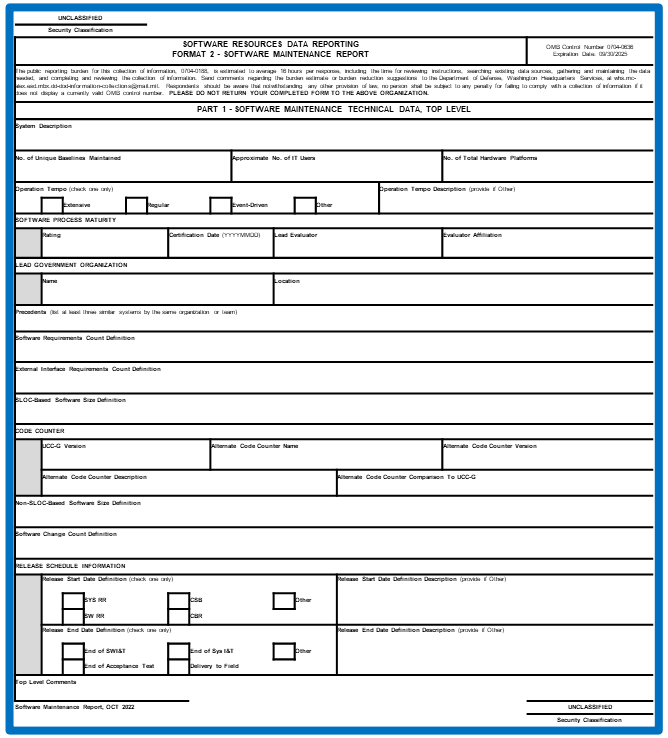
- **Common Heading**



SOFTWARE RESOURCES DATA REPORTING
FORMAT 1 - SOFTWARE DEVELOPMENT REPORT

METADATA

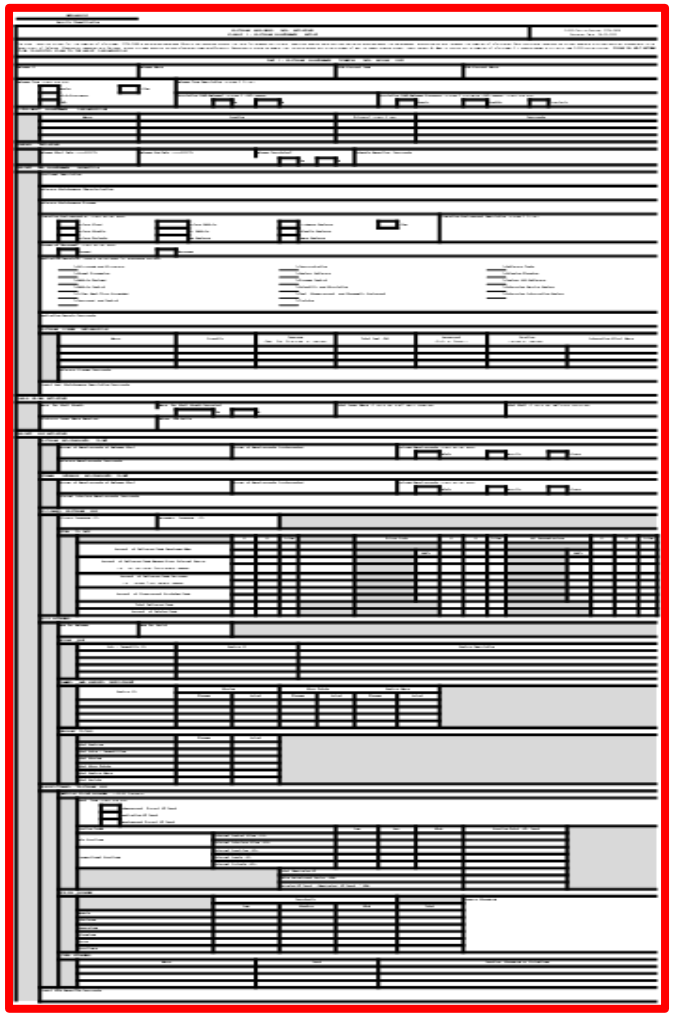
- **Part 1, Top Level**



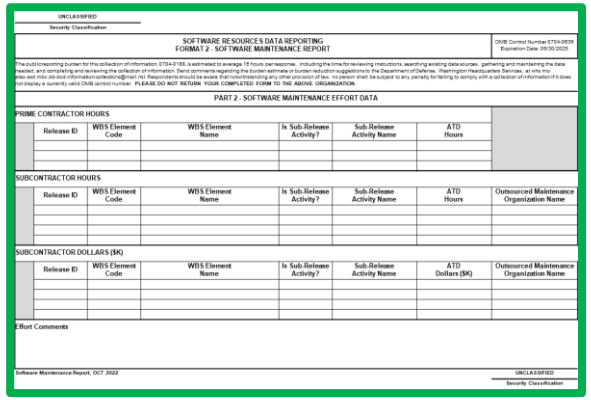
SOFTWARE RESOURCES DATA REPORTING
FORMAT 2 - SOFTWARE MAINTENANCE REPORT

PART 1 - SOFTWARE MAINTENANCE TECHNICAL DATA, TOP LEVEL

- **Part 1, Release Level**



- **Part 2**



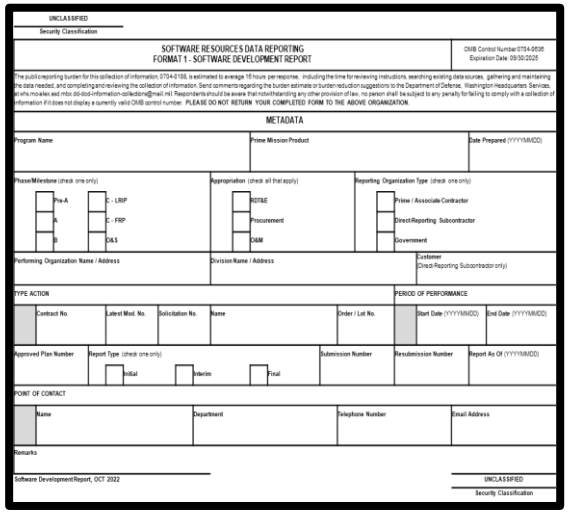
SOFTWARE RESOURCES DATA REPORTING
FORMAT 2 - SOFTWARE MAINTENANCE REPORT

PART 2 - SOFTWARE MAINTENANCE EFFORT DATA

The SRDR Format 2 is a Microsoft Excel file that includes the four tabs/worksheets as shown here, but in the data submission the Part 1, Release Level tab should be replicated for EACH Release listed in the CSDR Plan

Software ERP Software Development Report

- **Common Heading**



SOFTWARE RESOURCES DATA REPORTING
FORMAT 1 - SOFTWARE DEVELOPMENT REPORT

METADATA

Program Name | Prime Mission Product | Date Prepared (YYYYMMDD)

Phase/Milestone | Appropriation | Reporting Organization Type

Performing Organization Name / Address | Division Name / Address | Customer

TYPE ACTION | PERIOD OF PERFORMANCE

Contract No. | Latest Mod. No. | Solicitation No. | Name | Order / Lot No. | Start Date (YYYYMMDD) | End Date (YYYYMMDD)

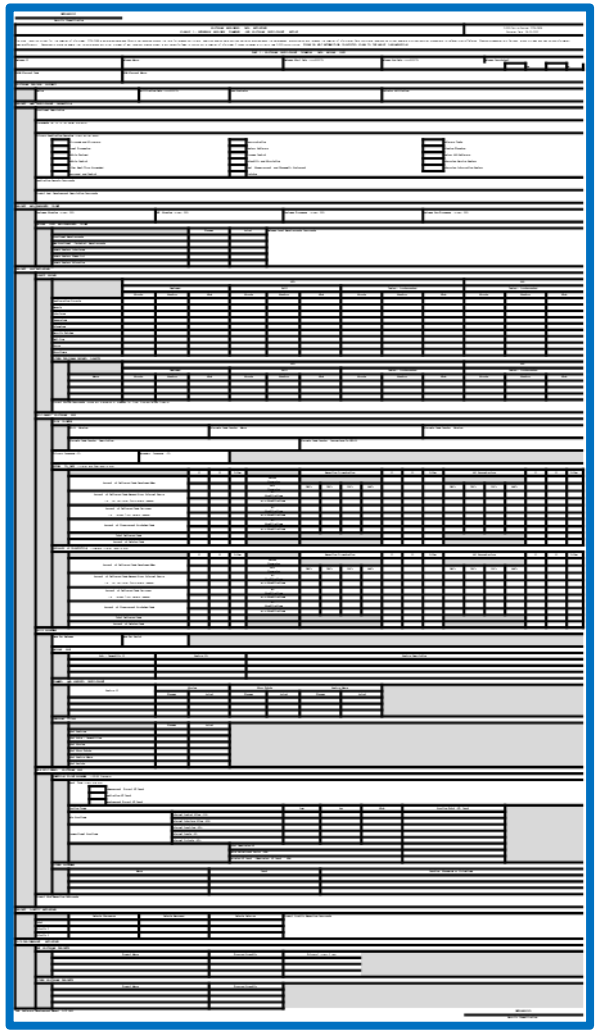
Approved Plan Number | Report Type | Submission Number | Resubmission Number | Report As Of (YYYYMMDD)

POINT OF CONTACT

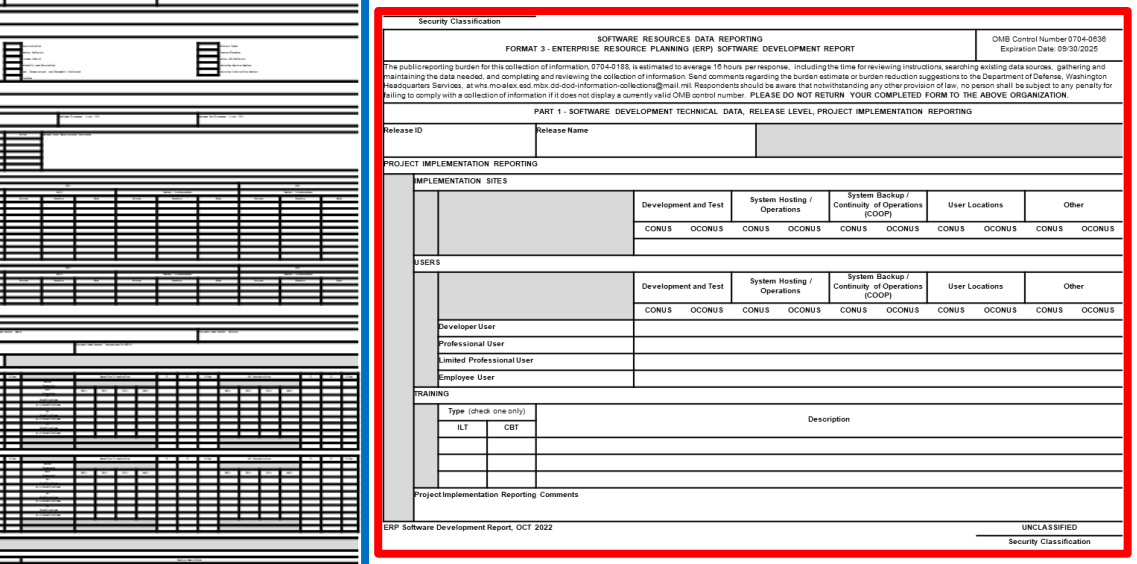
Name | Department | Telephone Number | Email Address

Remarks

- **Part 1, Release Level**



- **Part 1, Proj. Impl. Rpt**



SOFTWARE RESOURCES DATA REPORTING
FORMAT 3 - ENTERPRISE RESOURCE PLANNING (ERP) SOFTWARE DEVELOPMENT REPORT

PART 1 - SOFTWARE DEVELOPMENT TECHNICAL DATA, RELEASE LEVEL, PROJECT IMPLEMENTATION REPORTING

Release ID | Release Name

PROJECT IMPLEMENTATION REPORTING

IMPLEMENTATION SITES

	Development and Test		System Hosting / Operations		System Backup / Continuity of Operations (COOP)		User Locations		Other	
	CONUS	OCONUS	CONUS	OCONUS	CONUS	OCONUS	CONUS	OCONUS	CONUS	OCONUS

USERS

	Development and Test		System Hosting / Operations		System Backup / Continuity of Operations (COOP)		User Locations		Other	
	CONUS	OCONUS	CONUS	OCONUS	CONUS	OCONUS	CONUS	OCONUS	CONUS	OCONUS
Developer User										
Professional User										
Limited Professional User										
Employee User										

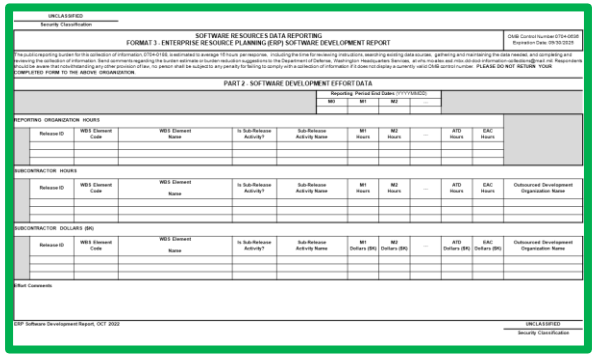
TRAINING

Type (check one only)		Description
ILT	CBT	

Project Implementation Reporting Comments

ERP Software Development Report, OCT 2022 | UNCLASSIFIED | Security Classification

- **Part 2**



SOFTWARE RESOURCES DATA REPORTING
FORMAT 3 - ENTERPRISE RESOURCE PLANNING (ERP) SOFTWARE DEVELOPMENT REPORT

PART 2 - SOFTWARE DEVELOPMENT EFFORT DATA

REPORTING ORGANIZATION HOURS

Release ID	WBS Element Code	WBS Element Name	Is Sub-Release Activity?	Sub-Release Activity Name	M1 Hours	M2 Hours	...	ATD Hours	EAC Hours

SUBCONTRACTOR HOURS

Release ID	WBS Element Code	WBS Element Name	Is Sub-Release Activity?	Sub-Release Activity Name	M1 Hours	M2 Hours	...	ATD Hours	EAC Hours	Outsourced Development Organization Name

SUBCONTRACTOR DOLLARS ($K)

Release ID	WBS Element Code	WBS Element Name	Is Sub-Release Activity?	Sub-Release Activity Name	M1 Dollars ($K)	M2 Dollars ($K)	...	ATD Dollars ($K)	EAC Dollars ($K)	Outsourced Development Organization Name

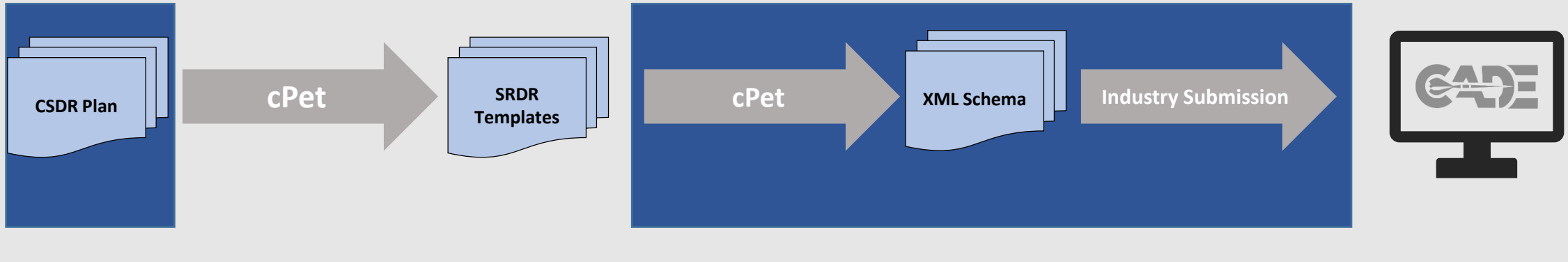
Effort Comments

ERP Software Development Report, OCT 2022 | UNCLASSIFIED | Security Classification

The SRDR Format 3 is a Microsoft Excel file that includes the four tabs/worksheets as shown here, but in the data submission the Part 1, Release Level tab should be replicated for EACH Release listed in the CSDR Plan

Submission Process

SRDR



Plan Creation/Import

Upload DD 2794 into cPet.
If the plan includes Pg. 7, Pg. 8 or Pg. 9, the user can export SRDR templates that include the correct number of tabs that align with the Releases and/or CSCIs listed in the plan (Tools > Export SRDR Template)

XML Creation

Fill out templates with data. Upload completed templates into cPet (File > Import SRDR Dev, SRDR Mx or SRDR ERP). Export xml schema.

Submit

Once verified, submit appropriate files in the CADE Submit Review application.

SRDR Format Validation Enforcement Change

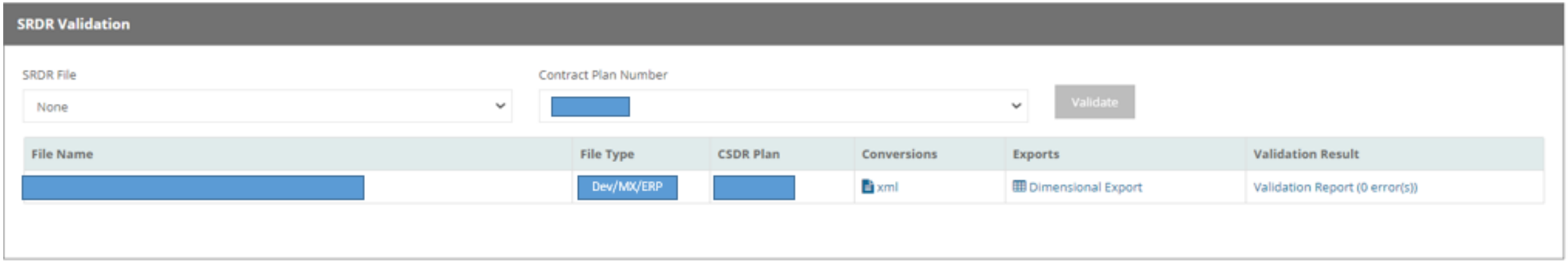
Software Resource Data Report (SRDR), DD 3026 Submission Requirements

As of Monday, May 8, 2023, all SRDR data validation reviews for newly reporting contracts will enforce the contractually required standard Excel or XML templates. Submissions for newly reporting contracts that do not comply with the standard, WHS-approved format, will be subject to rejection as part of the review and validation process.

The SRDR Forms & Data Exchange serve as templates for generating the required Software Resource Data Report (SRDR) submissions in CADE. The forms have been officially approved and "Final" versions are available for data preparers on all future SRDR submissions. The new Development (Dev), Maintenance (Mx), and Enterprise Resource Planning (ERP) formats are available in machine-readable and cPet-compatible Excel and XML versions.

Please review the CADE Public Site Blog for more information: https://cade.osd.mil/News/blog

CADE Validation



- Important for SRDRs to be in latest templates for CADE Validation
- If xls will allow for xml ingestion
- If successful then will produce **Dimensional Export** and **Validation Report**

COST ASSESSMENT DATA ENTERPRISE

Technical Data Report

Technical Data Report (TDR) Overview

- TDR CDRL
  - Captures technical data by WBS element
  - Possible cost drivers for System and Subsystems
  - Excel format, default parameters by Commodity
  - Technical Data Plan Utility facilitates tailoring

- How TDR Releates to the FlexFile
  - CWBS Dictionary incorporated in FlexFile encompasses work content, cost content the TDR adds technical specs at various levels
  - TDR aligns technical parameters with hours and dollars reported in the FlexFile
  - Captures technical growth (e.g. weight growth) and its associated cost(s) over time

- TDR Data Access
  - Downloadable Excel files via CSDR Browse
  - CARDs available in CADE Library

  - No CLASSIFIED data in CADE!

- TDR Analyst Applications
  - Extract values for common parameters (e.g., Length) and variant parameters (e.g., Height)
  - Compare derived metrics (e.g., $/lb) to Ground Vehicle benchmarks
  - Extract per-vehicle quantities of certain subsystems
  - Enables risk analyses based on historical technical parameter growth

Tech Data Report

TECH: Parameters by Mapping ID							
Mapping ID	Item Type	Technical Parameter Name	Group Key	Value	Unit of Measure	Unit of Measure Qualifier	Estimate/Actual
Var-A_1.1	C4ISys	Target Environment		Airborne	List		Actual
Var-B_1.1	C4ISys	Target Environment		Ground	List		Actual
Common_1.1.1	IAT&CO	Number of Electrical Connections		200	Quantity	Electrical Connections	Actual
Common_1.1.1	IAT&CO	Number of Mechanical Connections		400	Quantity	Mechanical Connections	Actual
Common_1.1.2	Heritage	New Design		50	Percent		Actual
Common_1.1.2	Heritage	Predecessor System		Excaliber	Descriptor		Actual
Common_1.1.2	PhysicalElec	Weight		500	Pounds		Estimated
Common_1.1.2	PhysicalElec	Weight - Structural		100	Pounds		Estimated
Common_1.1.2	PhysicalElec	Weight - Electronics		80	Pounds		Estimated
Common_1.1.2	PhysicalElec	Power - Maximum Consumption Rate		20	Kilowatts		Estimated
Common_1.1.2	PhysicalElec	Volume		200	Cubic Inches		Actual
Var-A_1.1.3	Heritage	New Design		90	Percent		Actual
Var-A_1.1.3	Heritage	Predecessor System		Excaliber	Descriptor		Actual
Var-A_1.1.3	ElecBox	Circuit Cards - Number of		3	Quantity		Actual
Var-A_1.1.3	ElecBox	Application Specific Integrated Circuit (ASIC) Designs		20	Quantity	ASICs	Actual
Var-A_1.1.3	ElecBox	Field Programmable Gate Array (FPGA) Designs		30	Quantity	FPGAs	Actual
Var-B_1.1.3	Heritage	New Design		50	Percent		Actual
Var-B_1.1.3	Heritage	Predecessor System		Var-A	Descriptor		Actual
Var-B_1.1.3	ElecBox	Circuit Cards - Number of		3	Quantity		Actual
Var-B_1.1.3	ElecBox	Application Specific Integrated Circuit (ASIC) Designs		15	Quantity	ASICs	Estimated
Var-B_1.1.3	ElecBox	Field Programmable Gate Array (FPGA) Designs		45	Quantity	FPGAs	Estimated
Common_1.1.4	Heritage	New Design		60	Percent		Actual
Common_1.1.4	Heritage	Predecessor System		Excaliber	Descriptor		Actual
Common_1.1.4	Antenna	Frequency Band		K band (18 to 27 GHz)	List		Actual
Common_1.1.4	Antenna	Aperture - Antenna		32	Inches		Actual
Common_1.1.4	Antenna	Number of Sub Arrays		4	Quantity	Per Antenna Face	Actual

- Mapping ID field creates unique identifier for a WBS, Order/Lot, and End Item combination to capture differences in parameters (when applicable)
- If there are multiple inputs for one parameter, the Group Key can be used to link data to a specific parameter
- Value is driven by unit of measure and method of collection by reporting entity
- Estimate/Actual section is required. It is expected that all parameters have a reported value (estimate or actual). If the parameter is not reportable, include a comment in the Remarks with rationale.

How Do We Collect Technical Data

✓ Refine Contract-Specific Parameters using Technical Data Vocabulary Database

- CWIPT process will derive contract data plan and analyze the following questions regarding the Parameters
  - ✓ Can the requirement be satisfied by GOVT CARD?
  - ✓ Can the requirement be satisfied by other Program CDRL?
  - ✓ Can the requirement be satisfied by other reputable data sources?

COST AND SOFTWARE DATA REPORTING PLAN - TECHNICAL PARAMETER REQUIREMENTS

TECHNICAL PARAMETER REQUIREMENTS

26. WBS ELEMENT CODE	27. WBS ELEMENT NAME	28. ITEM TYPE	29. TECHNICAL PARAMETER				
			a. PARAMETER NAME	b. UNIT OF MEASURE	c. UNIT OF MEASURE QUALIFIER	d. REPEATABLE	e. REMARKS
1.2	Air Vehicle	Heritage	New Design	Percent			
1.2	Air Vehicle	Heritage	Predecessor System	Descriptor			
1.2	Air Vehicle	AirVehicleAircraft	Crew Size	Quantity	Crew Members		
1.2	Air Vehicle	AirVehicleAircraft	Number Of Engines	Quantity	Engines		
~~1.2~~	~~Air Vehicle~~	~~AirVehicleAircraft~~	~~Combat Radius~~	~~Nautical Miles~~			
1.2	Air Vehicle	AirVehicleAircraft	Engine Type	List			
1.2	Air Vehicle	AirVehicleAircraft	Weight - Dry	Pounds			
1.2	Air Vehicle	AirVehicleAircraft	Speed - Maximum	Knots			
~~1.2~~	~~Air Vehicle~~	~~AirVehicleAircraft~~	~~Stealth Features~~	~~List~~			
~~1.2~~	~~Air Vehicle~~	~~AirVehicleAircraft~~	~~Nuclear Environment Survivability~~	~~List~~			
1.2	Air Vehicle	AirVehicleAircraft	Supersonic Survivability	List			
1.2	Air Vehicle	AirVehicleAircraft	Combat Ceiling	Feet			
1.2	Air Vehicle	AirVehicleAircraft	Weight - Internal Fuel	Pounds			
1.2	Air Vehicle	AirVehicleAircraft	Weight - Maximum Gross	Pounds			
~~1.2~~	~~Air Vehicle~~	~~AirVehicleAircraft~~	~~Weight - Maximum Ordnance Gross~~	~~Pounds~~			
1.2	Air Vehicle	AirVehicleAircraft	Airframe Unit Weight	Pounds Force per Cubic Meter			
1.2	Air Vehicle	AirVehicleAircraft	Empty Weight	Pounds			
~~1.2~~	~~Air Vehicle~~	~~AirVehicleAircraft~~	~~Structure Weight~~	~~Pounds~~			

Technical Data Resources

From CADE: Policy & Guidance -> Technical Data

Technical Data

Technical data is an enduring cost analysis need and the technical data initiative provides a mechanism to systematically capture technical data and other cost-driving metrics on DoD contracts This revolutionary improvement to the DoD data repository lays the foundation for system architecture trades, affordability analysis, root cause analyses, and life cycle cost estimating activities. Obtaining technical data as a contract deliverable in tandem with cost reporting avoids subsequent data calls to the contractor or program office.

Learn more about the Technical Data Initiative:

- Technical Data Advocacy (for Government)
- Technical Data Advocacy (for Industry)
- Technical Data Vocabulary

Technical Data DIDs and Implementation Guidance:

- Technical Data DID (Data Item Description) – Nov 2017
- Technical Data Implementation Guide – Feb 2020
- Technical Data Supplement to DD 2794 Plan, Template, and Instructions
- Technical Data Plan Utility

Technical Data Report Submission Format Specifications and Guidance:

- Tech Data Report Excel Template – May 2019

Implementation Guidance

Technical Data Plan Utility

Submission Guidance

COST ASSESSMENT DATA ENTERPRISE

Maintenance and Repair Report

Maintenance and Repair (M&R) Overview

- M&R CDRL
  - Captures key driver data for Sustainment-oriented FlexFiles and legacy DD Form 1921-5
  - Number and type of maintenance and repair actions
  - Can be applied to Government depots

- How M&R Relates to the FlexFile
  - Enables greater visibility into Sustainment contracts, DO's, CLINs, and WBS elements
  - Labor hours broken out by maintenance actions
  - Material $ broken out by consumables, LRUs, etc.

- M&R Data Access
  - Downloadable Excel files via CSDR Browse

- M&R Analyst Application
  - Review and evaluate maintenance event and LRU and/or repair part cost and failure data
  - Determine cost drivers and root cause of comparison differences
  - Understand reasons for incurred cost and availability performance

Maintenance and Repair Report

The –M Collects information related to each maintenance event such as the specific system being repaired, location where the repair activity occurred, reason for failure, day failure was identified and day repair activity was completed

Maintenance Event Report

Maintenance Event Number

System/End Item Data:
- End Item or DLR NIIN
- Serial Number
- Variant
- Oder Name

Failure Data:
- Non-Mission Capable
- Scheduled Event
- Failure Code
- Failure Code Description

Repair Data:
- Start/Completion Date
- Org/Location
- Maintenance Event Type
- WBS ID
- Labor Hours

Repair Part Report

Maintenance Event Number

Repair Action Data:
- Repair Action Code
- Repair Action Description

Repair Part Data:
- LRU or Part Name
- 881 Reference
- Reparable or Consumable
- Quantity
- LRU or Part Number
- NSN (or NIIN)
- WUC/LCN
- FWG
- Replacement Cost
- Repair Cost

The –R Identifies the LRUs and/or repair parts associated with each maintenance event

During the post award conference the CWIPT will identify the maintenance and repair elements that will be reported. A minimum set of data elements is required to use the data. Elements chosen are dependent on the scope of the CLS contract.

The M&R is the Department of Defense (DoD) reporting requirement for collecting actual maintenance event and repair part data as part of the Cost, Software, and Data Report (CSDR) system

M&R Description (M&R Example)

Maintenance Event Data

1)Maintenance Event Number 5 resulted in the replacement of five parts.

2)Maintenance Event Number 4 is associated with repairing a DLR, vice related to a specific aircraft failure event.

3)Maintenance activities related to two variants are being captured in the –M/R.

4)Maintenance activities related to three Maintenance Event Types are being captured in the –M/R. Each Maintenance Event Type is related to a WBS ID.

5)Labor Hours are captured for each Maintenance Event.

Maintenance Event Date Report - Example

MAINTENANCE EVENT DATA															
MAINTENANCE EVENT NUMBER	SYSTEM/END ITEM DATA: SYSTEM/END ITEM or DLR NIIN	SYSTEM/END ITEM SERIAL NUMBER	END ITEM (VARIANT)	ORDER NAME	FAILURE DATA: NON-MISSION CAPABLE	SCHEDULED EVENT	FAILURE CODE	FAILURE CODE DESCRIPTION	REPAIR DATA: START DATE	COMPLETION DATE	REPAIR ORG/LOCATION	MAINTENANCE EVENT TYPE	WBS ID	LABOR HOURS	COMMENTS
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	100000004	170004	A	-	N	Y	804	Removed for scheduled maintenance	9/1/18	9/3/18	I-Level Activity	Inspection	1.3.3.3	34	
2	100000014	170014	A	-	Y	N	805	Removed for Safety of Flight Msg/use/analysis	9/3/18	9/6/18	I-Level Activity	Inspection	1.3.3.3	46	
3	100000027	170027	B	-	N	Y	804	Removed for scheduled maintenance	9/6/18	9/8/18	I-Level Activity	Inspection	1.3.3.3	29	
4	012639440	-	-	-	-	-	-	DLR Repair	9/9/18	9/12/18	DLR Facility	DLR	1.3.2	31	
5	100000006	170006	A	-	N	Y	804	Removed for scheduled maintenance	9/10/18	12/29/18	Depot Facility	Depot Repair	1.3.4.1	2,110	
6	100000016	170016	B	-	N	Y	804	Removed for scheduled maintenance	10/31/18	1/20/19	Depot Facility	Depot Repair	1.3.4.1	1,275	
7	100000024	170024	B	-	N	Y	804	Removed for scheduled maintenance	12/31/18	1/3/19	I-Level Activity	Inspection	1.3.3.3	44	
8	010540042	-	-	-	-	-	-	DLR Repair	1/1/19	1/3/19	DLR Facility	DLR	1.3.2	15	
9	100000019	170019	B	-	N	Y	804	Removed for scheduled maintenance	1/4/19	3/17/19	Depot Facility	Depot Repair	1.3.4.1	1,454	
10	100000012	170012	A	-	N	Y	804	Removed for scheduled maintenance	1/16/19	1/19/19	I-Level Activity	Inspection	1.3.3.3	48	
11	012355249	-	-	-	-	-	-	DLR Repair	1/16/19	1/17/19	DLR Facility	DLR	1.3.2	9	
12	100000030														
13	010394983														
14	100000022														
15	100000011														
16	100000001														
17	100000002														
18	100000028														
19	100000029														

Repair Part Data Report - Example

MAINTENANCE EVENT NUMBER	REPAIR ACTION CODE	REPAIR ACTION DESCRIPTION	REPAIR PART DATA: REPAIR PART NAME	881 REFERENCE	REPARABLE or CONSUMABLE	REPAIR PART QUANTITY	CONTRACTOR PART NUMBER	REPAIR PART NSN (OR NIIN)	REPAIR PART WUC/LCN	REPAIR PART FWG	REPLACEMENT COST	REPAIR COST	COMMENTS
A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	B	Adjusted	BRACKET,MOUNTING	1.2.3	C	0	666070	003437458	23	-	138.04		
2	A	Replaced	LIGHT ASSEMBLY,INDICATOR	1.2.4.3	C	1	1271986	012480953	44	-	21,364.00		
3	B	Adjusted	NUT,TUBE COUPLING	1.2.4.8	C	0	168467	002033821	45	-	2.74		
4	N	Checked not reparable	POWER UNIT,GAS TURBINE ENGINE	1.2.4.3	R(N)	1	1038871	012639440	24	-	24,607.00	6,915.28	
5	A	Replaced	NUT,RTNR-ASSY	1.2.4.2	C	1	1842566	012700518	14	-	697.58		
5	A	Replaced	TERMINAL JUNCTION BLOCK,SECTIONAL	1.2.4.3	C	1	527541	014500409	44	-	97.70		
5	A	Replaced	BOOT,DUST AND MOISTURE SEAL	1.2.4.2	C	1	1259249	011752032	14	-	842.01		
5	A	Replaced	WHEEL ASSEMBLY,AIRCRAFT	1.2.4.9	C	1	1233173	012982516	13	-	76,101.90		
5	A	Replaced	PIN,RETAINING	1.2.4.4	C	1	438689	002236112	45	-	21.71		
5	B	Adjusted	PIN,RETAINING	1.2.4.4	C	0	438689	002236112	45	-	21.71		
6	A	Replaced	BUTTON,BEARING,THRO	1.2.3	C	1	254863	011020531	23	-	2.40		
6	B	Adjusted	NUT,RTNR-ASSY	1.2.4.2	C	0	1842566	012700518	14	-	697.58		
6	A	Replaced	TRANSPARENCY,CANOPY,FORWARD	1.2.2.2	R	1	140822	011950673	12	-	6,526.00	1,077.65	
6	A	Replaced	PANEL,POWER DISTRIBUTION	1.2.5.5	R	1	974960	010510534	74	-	886.00	155.22	
7	A	Replaced	ANTENNA ASSEMBLY	1.2.5.2	C	1	1580945	013513710	63	-	4,800.51		
7	A	Replaced	DUCT ASSEMBLY,AIR CONDITIONING-HEATING,AIRCRAFT	1.2.4.7	C	1	1754422	010467687	41	-	1,934.34		
8	C	Repaired	STEERING UNIT,AIRCRAFT NOSEWHEEL	1.2.4.9	R(Y)	-	294365	010540042	13	-	1,916.01	631.73	
8	A	Replaced	WICK	1.2.4.7	C	1	1850775	012130942	41	-	139.50		
9	A	Replaced	HOSE,AIR BREATHING	1.2.4.7	C	1	472661	007622336	47	-	209.84		
9	A	Replaced	WASHER,FLAT	1.2.4.2	C	1	596046	006557219	14	-	6.20		
9	A	Replaced	COVER,DUST	1.2.4.7	C	1	1751989	010681461	41	-	15.95		
9	A	Replaced	SWITCH,SENSITIVE	1.2.4.9	C	1	1600696	014685473	13	-	793.24		
9	A	Replaced	RECEIVER-TRANSMITTER,RADAR	1.2.5.5	C	1	1579419	013499175	74	-	27,865.00		
10	A	Replaced	COUPLING,CLAMP,GROOVED	1.2.4.5	C	1	55132	003434276	42	-	970.12		
10	A	Replaced	BEARING,SLEEVE	1.2.2	C	1	2043907	010761467	11	-	320.88		
11	C	Repaired	GEARBOX,ACCESSORY DRIVE,TURBINE ENGINE	1.2.4.3	R(Y)	-	1267041	012355249	24	-	47,582.00	13,268.10	
11	B	Adjusted	COUPLING ASSEMBLY,TUBE,FLEXIBLE	1.2.3	C	0	453099	011636997	23	-	566.93		
12	A	Replaced	BATTERY,STORAGE	1.2.5.5	R	1	1672470	010550435	74	-	29,900.53	5,238.53	
12	A	Replaced	PLUG,MACHINE THREAD	1.2.4.7	C	1	989922	008370856	41	-	2.20		

Repair Part Data

6)Replacement/Repair of multiple parts can be related to a single Maintenance Event.

7)881 Reference reflects how each part is related to the 881-MIL STD WBS. Each Part is identified as a consumable (C) or a reparable (R).

8)R(Y) reflects a reparable part that is successfully repaired and returned to inventory. If R (N), reparable part could not be repaired.

9)For Maintenance Event Number 3, the part was adjusted and therefore no Quantity was used.

10)Each Part can also be related to the Work Unit Code (WUC). This results in a mapping between the WUC and the 881.

11)For every part, a Replacement Cost can be captured.

12)For reparable parts (i.e., DLR), the current Repair Cost can also be captured.

COST ASSESSMENT DATA ENTERPRISE

Contractor Business Data Report

DD Form 1921-3 / Contractor Business Data Report (CBDR) Overview

- CBDR CDRL
  - Submitted annually by each business unit
  - Captures total business base
  - Calculates overhead rates using Direct business base and Indirect cost pools
  - Should align with Forward Price Rate Agreements / Proposals / Recommendations (FPRA/FPRP/FPRR)

- How CBDR Relates to the FlexFile
  - 1921-3/CBDR shows derivation of Overhead rates reflected in FlexFile ATD
  - Track CBDR (annual per site) to FlexFile (annual per contract) – company fiscal year vs. contract year

- CBDR Data Access
  - Separate applications within CADE Portal include:
    - 1921-3 & FPR: Submitters and review of singular submissions
    - Data & Analytics -> Business Base Data: Analysts to pull approved submissions

- CBDR Analyst Applications
  - Time phased direct and overhead to build wrap rates
  - Determine which overhead applies to specific Labor and Material direct cost items
  - Calculate respective effective overhead rates/factors directly from the FlexFile and compare them to the CBDR

Contractor Business Data Report (1921-3) Main Sections

Reporting Calendar
- Details FY included in report
- Designates actual & forecast

A. Cost Summary
- Summary of business entity costs (total & forecasted)

B. Revenue Summary
- Summary of business entity revenues (total & forecasted)

C. Direct Labor Rate Summary
- Direct labor categories native to business entity

Metadata & Summary Reporting

Direct Cost Data

D. Overhead Rate Summary
- Overhead categories native to business entity

E. Overhead Expense Details
- Values of overhead *Expense*
- Reported by subcomponent

F. Overhead Base Details
- Values of overhead *Base*
- Reported by Program, Buyer

Indirect Cost Data

G. Delivery Schedule Details
- Lists programs, end items and quantities by year

H. Contract Numbers
- Contracts that correspond to each reported program

I. Data Dictionary
- Free text to provide general remarks, details about rates

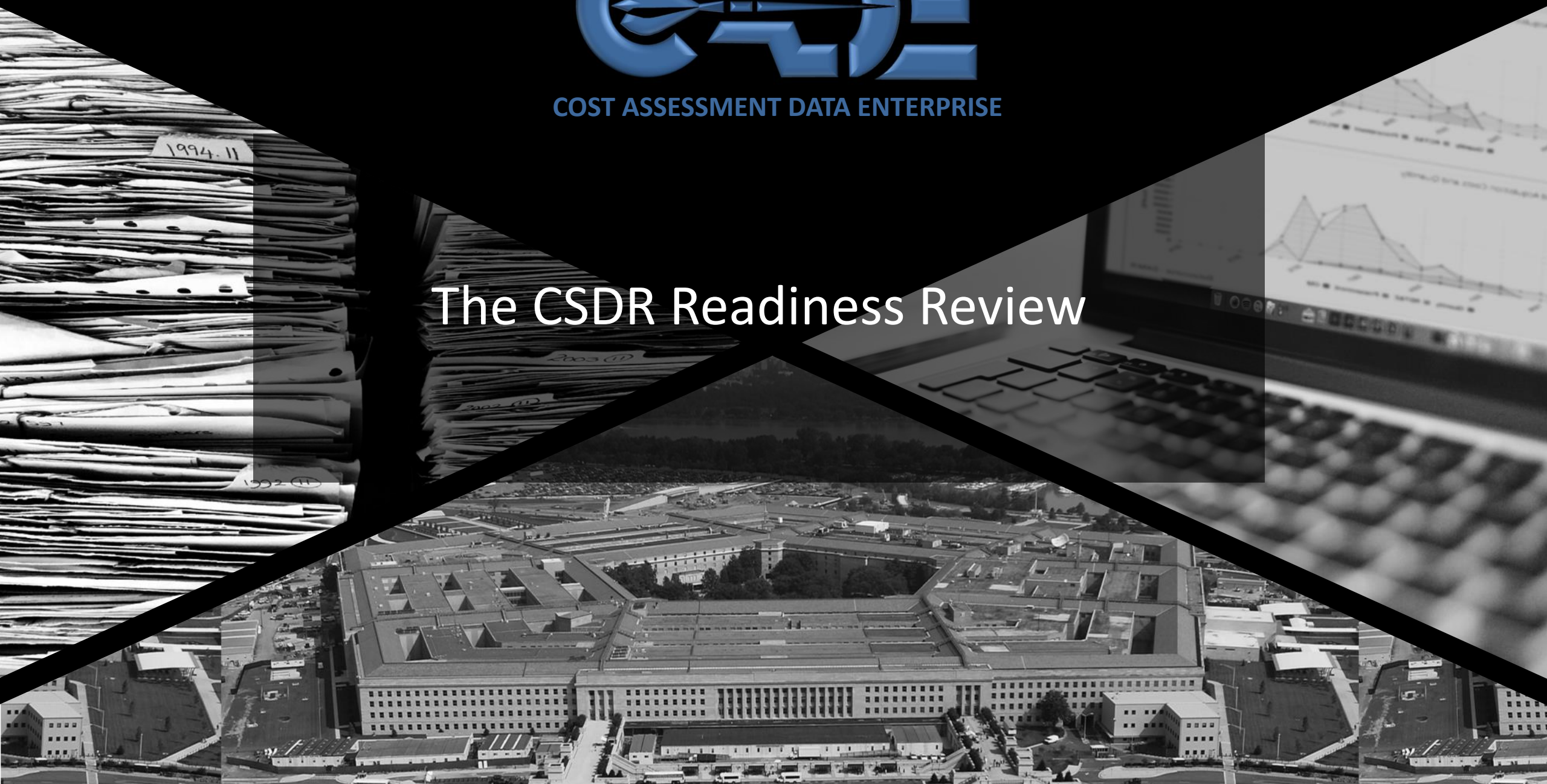
Additional Context to Support Analysis

Summary:

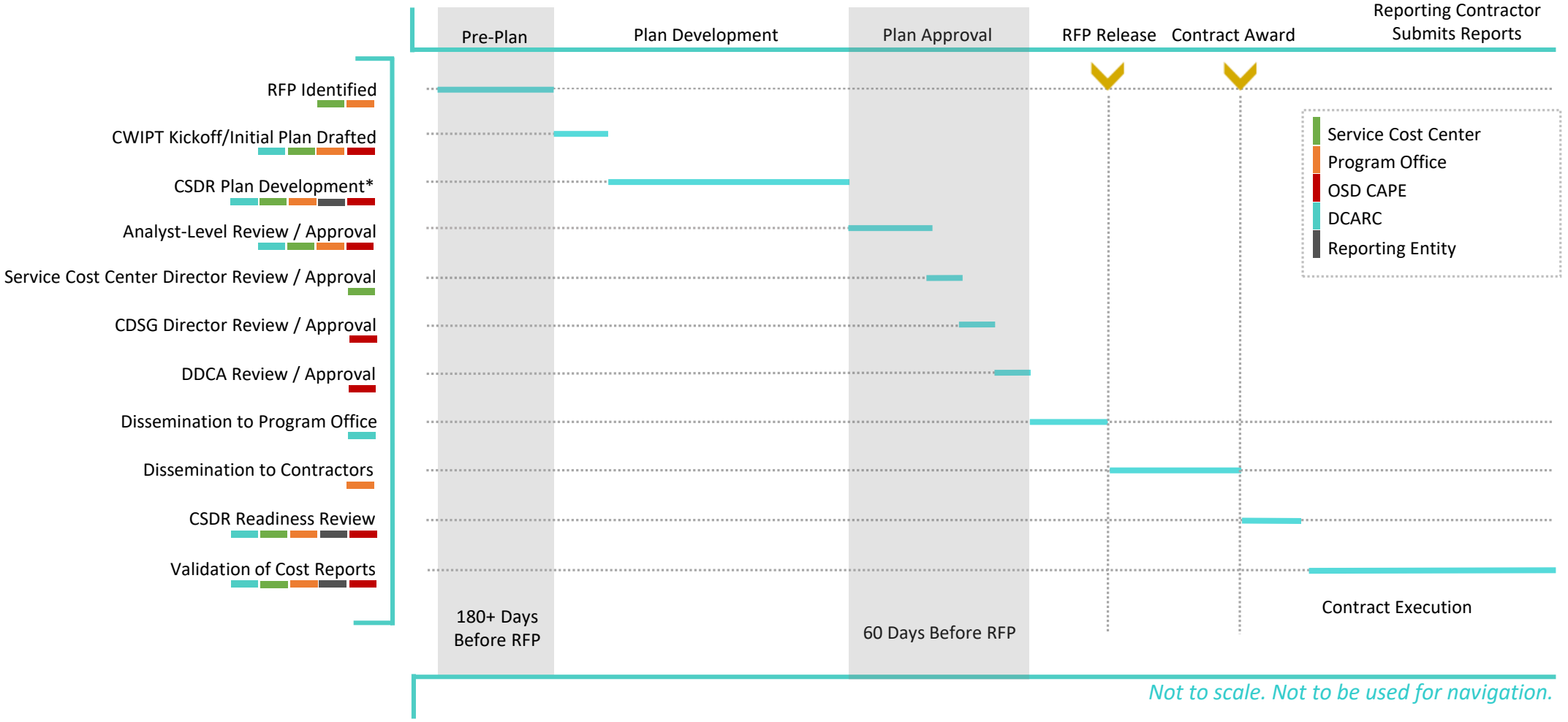
- Business unit level detail across multitude of applicable programs and contracts
- Direct Costs (Material and Labor) and Indirect Costs (Overhead Pools and G&A Expenses)
- Calculate rate (or Overhead / Direct Labor) to support price analysis and understand how OH may influence future costs

COST ASSESSMENT DATA ENTERPRISE

The CSDR Readiness Review



Planning Process Flowchart



* The reporting entity is involved in the plan development process before contract award if the reporting entity is known (i.e., a sole source environment). Otherwise, the reporting entity is involved in development after contract award.

With the FlexFile/Quantity Report, Technical Data, and new SRDR tabs, the CSDR Readiness Review is increasingly important

The CSDR Readiness Review

DFARS Requires it:

242.503-2 Post Award Meeting procedure.

" For contracts that include the clause at 252.234-7004, Cost and Software Data Reporting, post-award meetings shall address the questions in the Cost Assessment and Program Evaluations (CAPE) post award checklist which includes a discussion of the contractor's cost and software data reporting (CSDR) process that satisfies the guidelines contained in the DoDM 5000.04 CSDR Manual, the requirements in the Government-approved CSDR plan for the contract (DD Form 2794), cost, software, technical, and maintenance data related contract data requirements lists (CDRLs), and the related contract Resource Distribution Table."

✓**The CSDR Readiness Review…**

- Can be pre- or post-contract award for potential or actual offeror has questions about CSDR plan
- Is often the first chance Contractor and CWIPT members have to review a CSDR plan together
- Gives Contractor and CWIPT members an opportunity to ensure a common understanding of CSDR plan requirements
- Gives Contractors an opportunity to propose changes to the CSDR plan so that it will better reflect their technical approach and/or tailor reporting to their accounting system
- Is organized by the program office but DCARC and CAPE can lead the meeting (we have a meeting guide online!)

Productive CSDR Readiness Reviews make CSDR collection easier for Contractors and results in better data for the Government.

Plan Changes at the CSDR Readiness Review

Expected and welcomed changes…

- CSDR WBS Elements

11. WORK BREAKDOWN STRUCTURE (WBS)		
a. WBS CODE	b. WBS LEVEL	c. WBS ELEMENT NAME
1.0	1	Ground Vehicle System
1.1	2	Family of Vehicles
1.1.1	3	Lead Variant
1.1.1.1	4	Lead Variant Integration, Assembly, Test, and Checkout
1.1.1.2	4	Hull/Frame/Body/Cab
1.1.1.3	4	System Survivability
1.1.1.4	4	Turret Assembly
1.1.1.5	4	Suspension/Steering
1.1.1.6	4	Vehicle Electronics
1.1.1.7	4	Power Package/Drive Train
1.1.1.7.1	5	Dressed Engine
~~1.1.1.7.1.1~~	~~6~~	~~Turbocharger~~
1.1.1.7.1.2	6	Supercharger
1.1.1.7.1.3	6	Other Dressed Engine
1.1.1.7.2	5	Transmission
1.1.1.7.3	5	Other Power Package/Drive Train
1.1.1.8	4	Auxiliary Automotive
1.1.1.9	4	Fire Control

MIL-STD-881: Appendix G

Tailored WBS Elements

MIL-STD-881: Appendix G

Legend

~~PROPOSED DELETION~~

PROPOSED ADDITION

"We don't even have a Turbocharger in our design?!"

- Engineer

Tailoring MIL-STD-881 WBS elements is an indication the CWIPT desires data at lower level breakouts BUT those lower level elements should be meaningful to the Contractor's design/technical approach.

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Plan Changes at the CSDR Readiness Review

Unexpected and unwelcomed changes…

- CSDR WBS Elements

11. WORK BREAKDOWN STRUCTURE (WBS)		
a. WBS CODE	b. WBS LEVEL	c. WBS ELEMENT NAME
1.0	1	Ground Vehicle System
1.1	2	Family of Vehicles
1.1.1	3	Lead Variant
1.1.1.1	4	Lead Variant Integration, Assembly, Test, and Checkout
1.1.1.2	4	Hull/Frame/Body/Cab
1.1.1.3	4	System Survivability
1.1.1.3.1	5	Dressed Engine
~~1.1.1.4~~	~~4~~	~~Turret Assembly~~
1.1.1.5	4	Suspension/Steering
1.1.1.6	4	Vehicle Electronics
1.1.1.7	4	Power Package/Drive Train
~~1.1.1.7.1~~	~~5~~	~~Dressed Engine~~
~~1.1.1.7.1.1~~	~~6~~	~~Turbocharger~~
~~1.1.1.7.1.2~~	~~6~~	~~Supercharger~~
~~1.1.1.7.1.3~~	~~6~~	~~Other Dressed Engine~~
~~1.1.1.7.2~~	~~5~~	~~Transmission~~
~~1.1.1.7.3~~	~~5~~	~~Other Power Package/Drive Train~~
1.1.1.8	4	Auxiliary Automotive
1.1.1.9	4	Fire Control
1.1.1.10	4	Armament
~~1.1.1.11~~	~~4~~	~~Automatic Ammunition Handling~~
1.1.1.12	4	Navigation and Remote Piloting Systems

Legend

~~PROPOSED DELETION~~

PROPOSED ADDITION

Not MIL-STD-881 compliant since definition of "System Surv…" does not include an engine.

Proposing to delete all tailored WBS elements is unlikely to be met with agreement by CWIPT.

Can't delete MIL-STD-881 level 3 (or above) elements.

Contractor proposed WBS changes must be MIL-STD-881 compliant and wholesale deletions are unlikely to be popular with the CWIPT.

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Plan Changes at the CSDR Readiness Review

Submission event date changes are expected

"The contract was just awarded and the CSDR Plan says submission 1 is 'Contract Award (plus 12 months)' but it is due next week!?" - Scheduler

"Didn't that RFP amendment make this contract 6 (not 4) years long?" - Contracting

"It sure would be a lot less work if these CSDR submissions fell in line with our accounting calendar!" - Finance

"I thought prototypes were due in July 2022 but the CSDR Plan says March! We better accelerate production!" - Production Lead

Contract Award

COST AND SOFTWARE DATA REPORTING PLAN

14. CSDR SUBMISSION EVENTS

a. EVENT ID	b. DATA REPORT(S)	c. SUBMISSION EVENT NAME	d. REPORT CYCLE	e. AS OF DATE (YYYYMMDD)	f. DUE DATE (YYYYMMDD)
1	Cost and Hour Report (FlexFile), Quantity	Contract Award (plus 12 months)	Initial	20200630	20200829
2	Technical Data Report	Contract Award (plus 12 months)	Initial	20200630	20200829
3	Cost and Hour Report (FlexFile), Quantity	Contract Year Two	Final	20210630	20210829
4	Technical Data Report	Contract Year Two	Final	20210630	20210829
5	Cost and Hour Report (FlexFile), Quantity	Milestone Decision Support	Final	20211212	20220210
6	Technical Data Report	Milestone Decision Support	Final	20211212	20220210
7	Cost and Hour Report (FlexFile), Quantity	Prototype Delivery End	Final	20220322	20220521
8	Technical Data Report	Prototype Delivery End	Final	20220322	20220521
9	Cost and Hour Report (FlexFile), Quantity	Contract Year Three	Final	20220630	20220829
10	Technical Data Report	Contract Year Three	Final	20220630	20220829
11	Cost and Hour Report (FlexFile), Quantity	Contract Year Four: Contract Completion	Final	20230630	20230829
12	Technical Data Report	Contract Year Four: Contract Completion	Final	20230630	20230829

DRAFT DD FORM 2794 (PAGE 3), SUBMISSION EVENTS, JANUARY 2019 PREVIOUS EDITION IS OBSOLETE

Changed at PAC

COST AND SOFTWARE DATA REPORTING PLAN

14. CSDR SUBMISSION EVENTS

a. EVENT ID	b. DATA REPORT(S)	c. SUBMISSION EVENT NAME	d. REPORT CYCLE	e. AS OF DATE (YYYYMMDD)	f. DUE DATE (YYYYMMDD)
1	Cost and Hour Report (FlexFile), Quantity	Contract Award (plus 12 months)	Initial	20200330	20200529
2	Technical Data Report	Contract Award (plus 12 months)	Initial	20200330	20200529
3	Cost and Hour Report (FlexFile), Quantity	~~Contract Year Two~~ Calendar Year 2021	Final	20211231	20220301
4	Technical Data Report	~~Contract Year Two~~ Calendar Year 2021	Final	20211231	20220301
5	Cost and Hour Report (FlexFile), Quantity	Milestone Decision Support	Final	20210630	20210829
6	Technical Data Report	Milestone Decision Support	Final	20210630	20210829
7	Cost and Hour Report (FlexFile), Quantity	Prototype Delivery End	Final	20220630	20220829
8	Technical Data Report	Prototype Delivery End	Final	20220630	20220829
9	Cost and Hour Report (FlexFile), Quantity	~~Contract Year Two~~ Calendar Year 2022	Final	20221231	20230301
10	Technical Data Report	~~Contract Year Two~~ Calendar Year 2022	Final	20221231	20230301
11	Cost and Hour Report (FlexFile), Quantity	~~Contract Year Four: Contract Completion~~ Cal Year 2023	Final	20231231	20240229
12	Technical Data Report	~~Contract Year Four: Contract Completion~~ Cal Year 2023	Final	20231231	20240229
11	Cost and Hour Report (FlexFile), Quantity	Calendar Year 2024	Final	20241230	20250228
12	Technical Data Report	Calendar Year 2024	Final	20241230	20250228
11	Cost and Hour Report (FlexFile), Quantity	Calendar Year 2025: Contract Completion	Final	20251230	20260228
12	Technical Data Report	Calendar Year 2025: Contract Completion	Final	20251230	20260228

DRAFT DD FORM 2794 (PAGE 3), SUBMISSION EVENTS, JANUARY 2019 PREVIOUS EDITION IS OBSOLETE

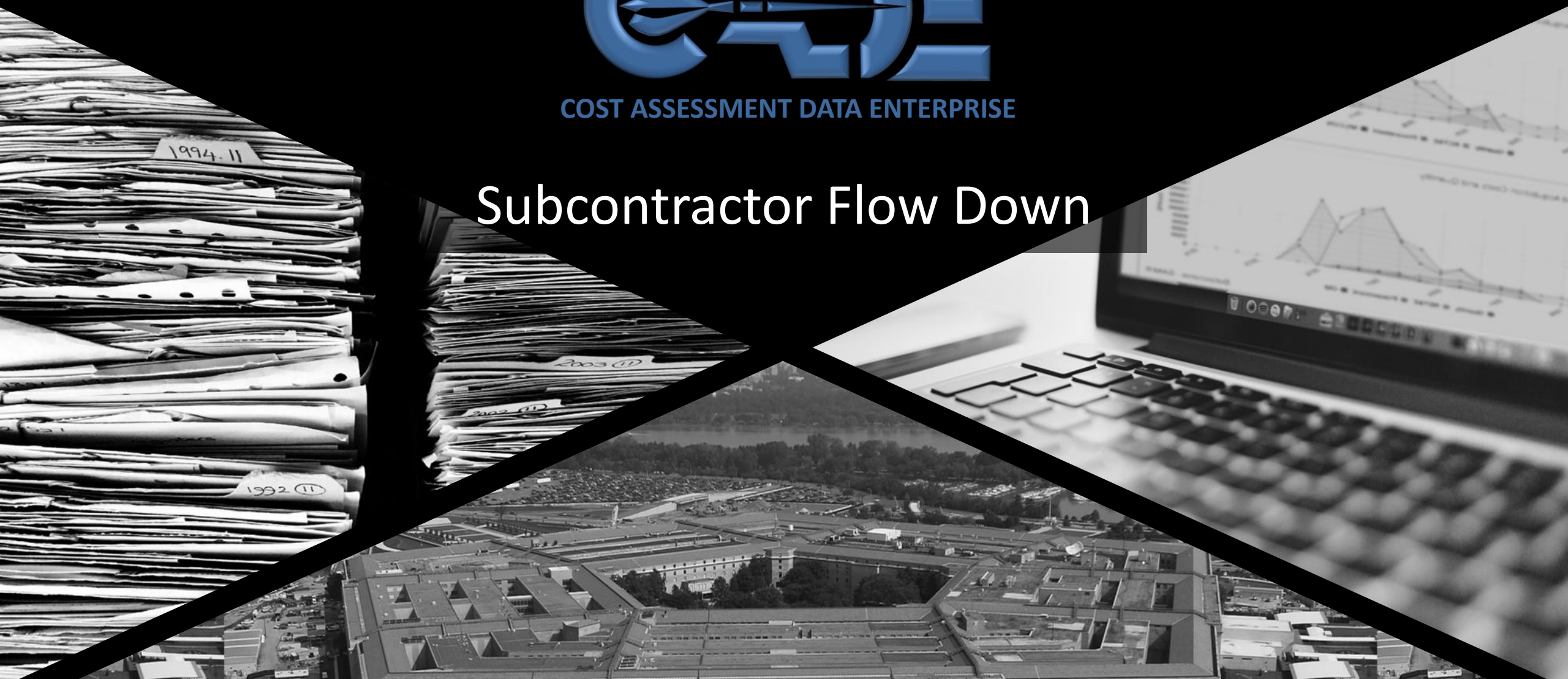
✓ **Initial CSDR Plans are often approved over a year before contract award…**

- Initial submission dates are estimates and are expected to change.
- Recurring "annual" submissions can often (but not always) be tailored to a contractor's accounting year or the contract's delivery order schedule.
- Late breaking Scope of work/RFP changes sometimes are not reflected in the CSDR Plan at base award.
- "Regular" submission events can often be moved but submissions that support major program decisions (e.g., milestones) or are baselined against major program events (e.g., Test Readiness Review, Preliminary Design Review) are unlikely to be removed or decoupled from their triggering event.

DCARC CSDR Plan Remark Standard Language

COST ASSESSMENT DATA ENTERPRISE

Subcontractor Flow Down



CSDR Subcontractor Flow-Down

CSDR Subcontractor Flow-Down is a persistent contractual requirement:

- Included in DoDI 5000.73, Cost Analysis Guidance and Procedures
- 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.
- Included in DFARS 252.234–7003 Notice of Cost and Software Data Reporting System
  - *Section (c): CSDR reporting will be required for subcontractors at any tier with a subcontract that exceeds $50 million. The offeror shall identify, by providing comments on the Resource Distribution Table, the subcontractors, or, if the subcontractors have not been selected, the subcontracted effort in this category.*
- Included in DFARS 252.234-7004 Cost and Software Data Reporting System
  - *Section (b) The Contractor shall require CSDR reporting from subcontractors at any tier with a subcontract that exceeds $50 million. If, for subcontracts that exceed $50 million, the Contractor changes subcontractors or makes new subcontract awards, the Contractor shall notify the Government.*

Subcontractor CSDR plans should reflect the subcontracted scope separate from the prime CSDR plan

CSDR Subcontractor Flow-Down

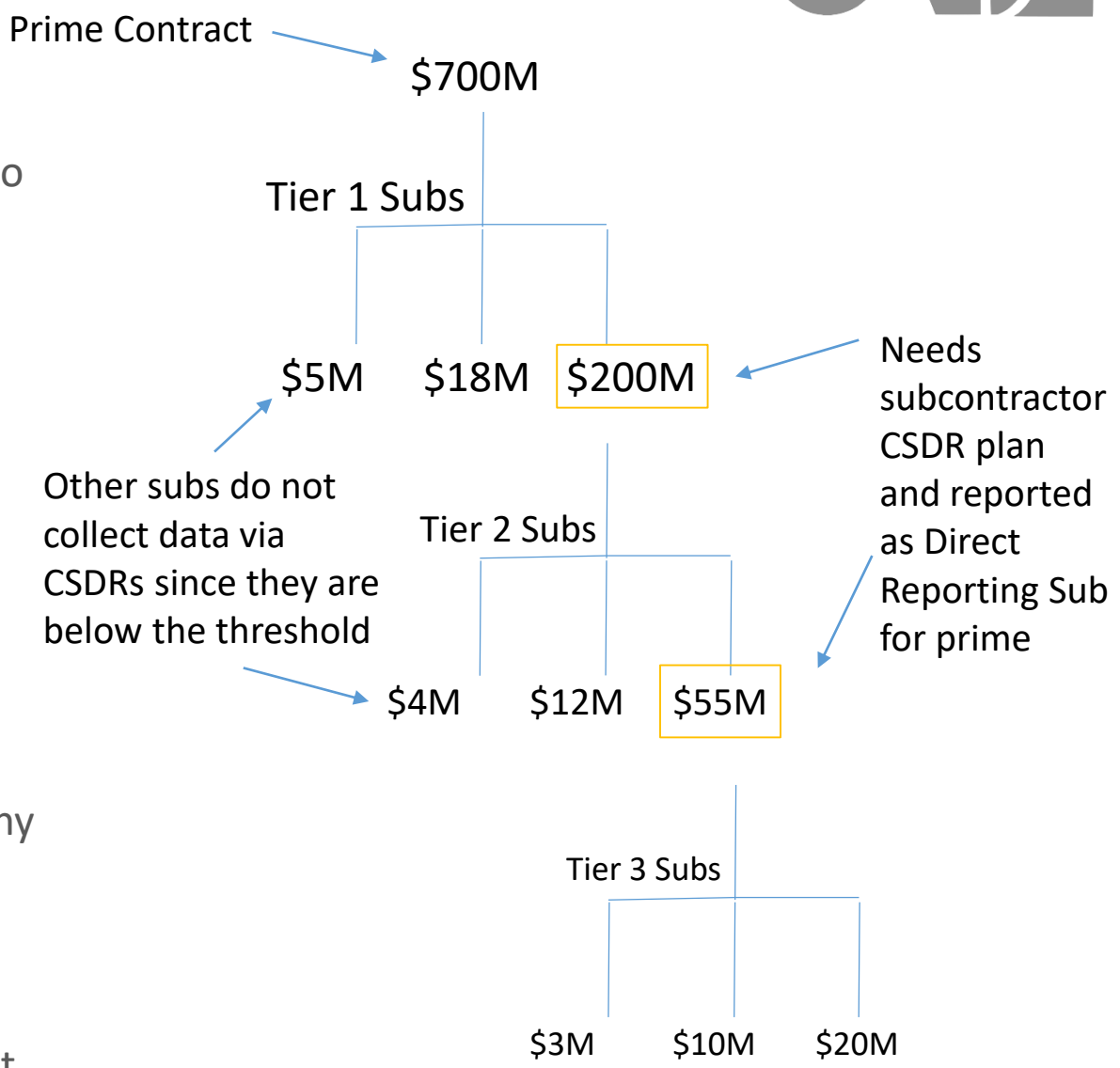
Prime contractor is required to flow-down CSDR requirements

- Subcontractors to the Prime contractor may also be required to provide CSDR data if their portion of the prime contract exceeds $50M ($20M for MTA/804 Programs)
- The RDT is provided by the Prime contractor at its Post Award Conference and the CWIPT identifies subcontractors that will be required to be direct reporting subcontractors

CSDR subcontractor flow-down is a persistent contractual requirement:

The RDT identifies…

- The total anticipated contract value between the prime and any subcontractors;
- Identifies which subcontractors are performing work to accomplish each CSDR WBS element.
- The RDT does not have a prescribed DD Form format/DID. cPet (which is a CSDR support software) can generate a template



The Resource Distribution Table (RDT)

CSDR subcontractor flow-down and use of the RDT:

The RDT identifies…

- The total anticipated contract value between the prime and any subcontractors;
- Identifies which subcontractors are performing work to accomplish each CSDR WBS element.
- The RDT does not have a prescribed DD Form format/DID. cPet can generate a template:

cPet Generated RDT:

Resource Distribution Table (RDT)
- TBD

	Prime Contractor		Subcontractors		
Prime Contractor or Sub-Contractor	Total	In-House	Total	Sub	Sub
Description					
Contractor/Organization Name	TBD				
Contractor/Organization Location					
Contract Number					
Total Program Office or Contract/Effort Value (Estimated), TY$M					
Subtotal Software Contract Value (Estimated), TY$M					
Government Organization or PARM					
CSDR Direct Reporting per CWIPT (Yes/No)					
SRDR Direct Reporting per CWIPT (Yes/No)					

WBS NUMBERS	WBS Element Name L1	L2	L3	L4	L5
1.0	Ground Vehicle System				
1.1		Family of Vehicles			
1.1.1			Lead Variant		
1.1.2			Lead Variant Integration, Assembly, Test, and Checkout		
1.1.3			Hull/Frame/Body/Cab		

The RDT is primarily utilized to identify subcontractor who qualify for CSDR flow-down.

RDT/Flow-Down Best Practices

Early identification of qualified subcontractors is key…

- Include CSDR flow-down requirements in all subcontract agreements which do (or may) qualify for CSDR flow-down requirements.
- Inform the CWIPT of qualified (or at risk of being qualified) subcontractors as soon as possible.
- Subcontract flow-down may be waived (and requirements removed from subcontractor agreements) only by the OSD CAPE Deputy Director of Cost Assessment, or DDCA, and only considered for approval if the following conditions are met (formatted for emphasis):
  - Rationale for why CSDR data collection is not in the government's best interest.
  - Description of the competitive pressures that exist on the contract action being planned and the degree to which those will or will not exist on future or follow-on actions for the same or similar scopes of work.
  - Description of alternative information that will be used to determine whether proposed prices are fair and reasonable, both on the contract action being planned and on future or follow-on actions for the same or similar scopes of work.
  - List of all data deliverables that are required on the contract that will provide actual cost data in lieu of CSDR deliverables.
  - If the CSDR waiver rationale is based on commerciality, provide a copy of the commercial item determination(s) signed by either a contracting officer or DCMA's Commercial Item Determination Group. If a signed commercial item determination cannot be provided, provide an explanation regarding why it cannot.

OSD CAPE DDCA is the only individual legally authorized to waive subcontractor flow-down requirements.

COST ASSESSMENT DATA ENTERPRISE

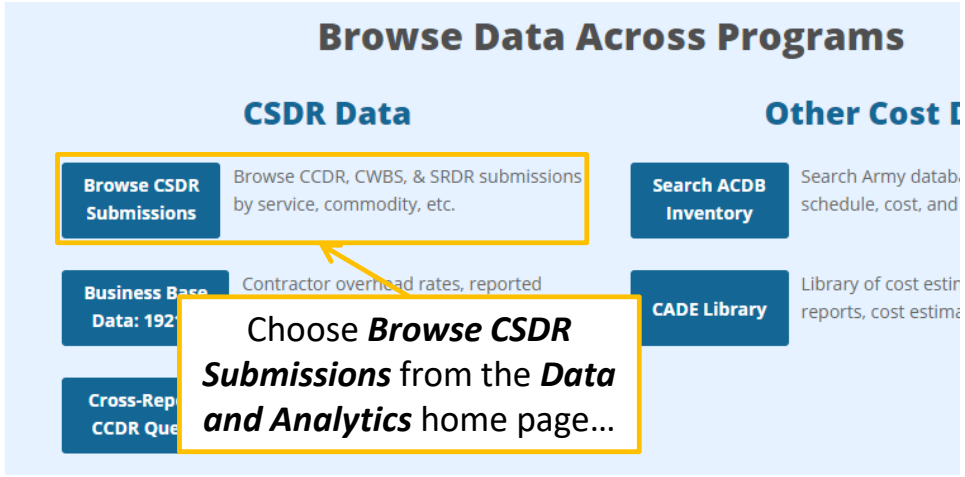
Data Access and Export Demo

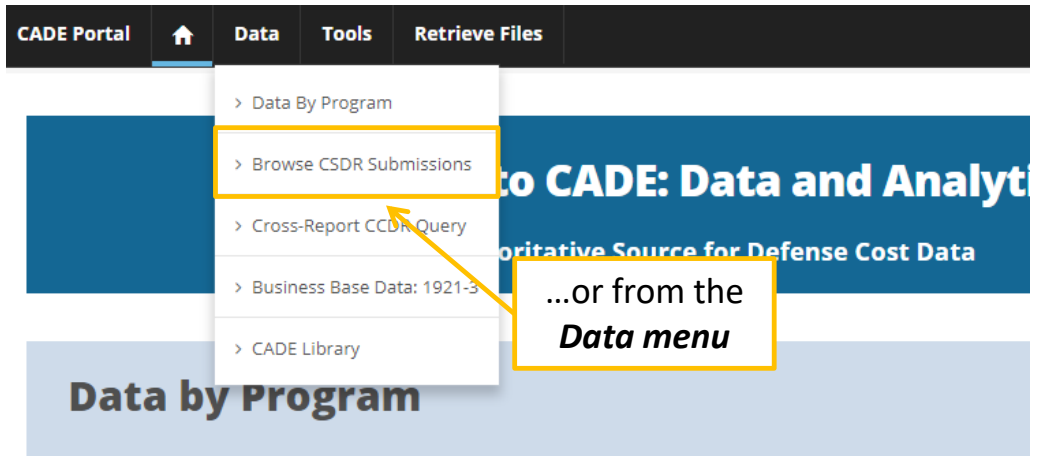
Data and Analytics Landing Page

- A new design for the ***Data and Analytics home page*** was published on 05 Dec 2018
- It is intended to better support two primary modes of accessing data
  - **Browse Data Across Programs**: Aggregate data from multiple Tasks/Contracts/Programs
    - Think "*analysis-ready flat files*"
  - **Data by Program**: Drill-down by Program, Contract, and Task
    - Think "*standard reporting formats*"

Multiple CSDRs – Flexible Search

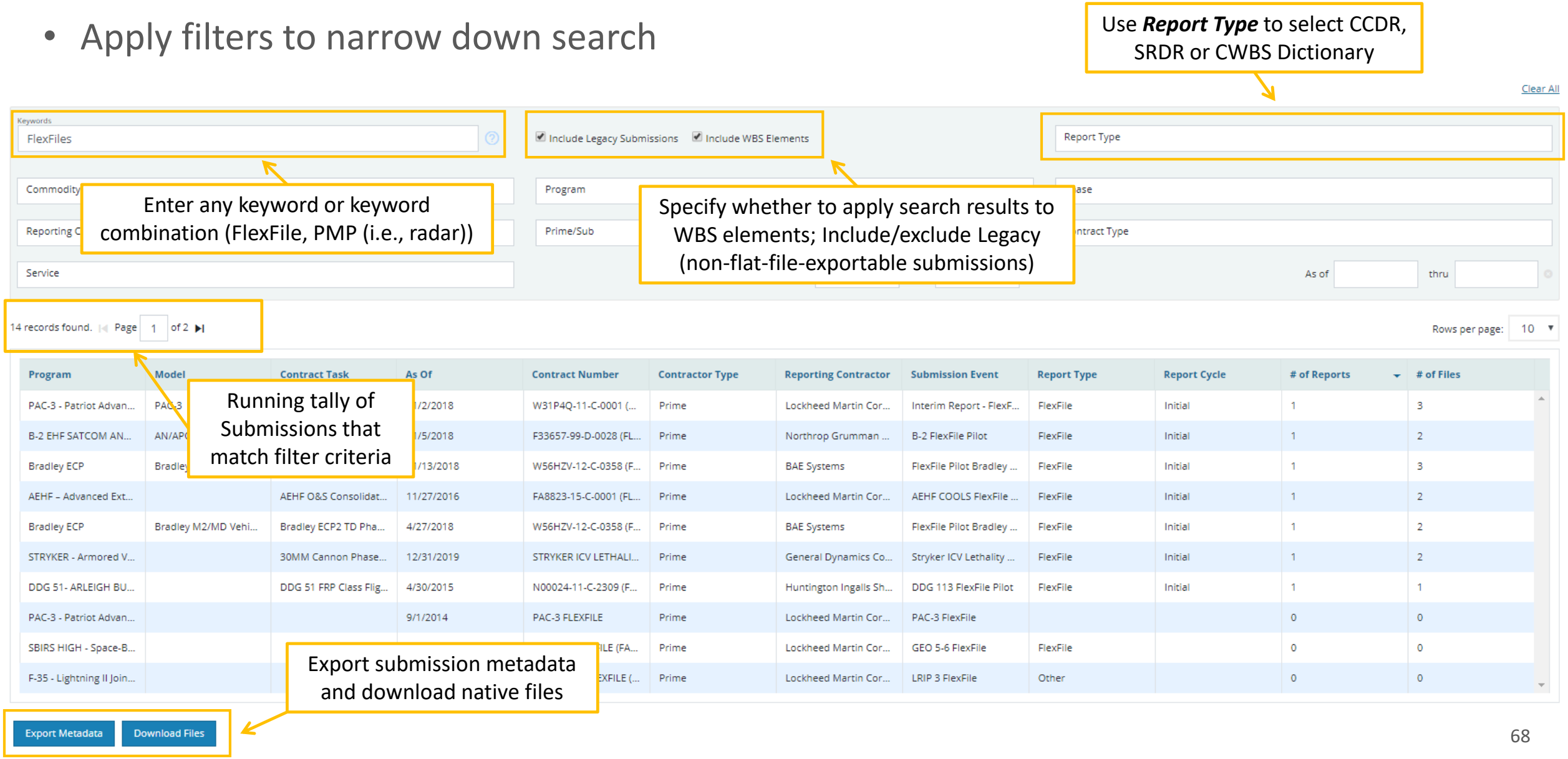
- The ***Browse CSDR Submissions*** function provides a more flexible "DACIMS-like" search/browse
  - Simultaneously locate and download multiple CSDRs
  - Works with any mix of Contractor Cost Data Reports (CCDRs) and Software Resources Data Reports (SRDRs)
- Access to all contract-specific 1921-series forms
  - CDSR (1921), FCHR (1921-1), PCR (1921-2), Sustainment FCHR (1921-5)
  - **Includes <u>FlexFiles</u>!**
- CCDRs are available as both "formatted" and flat file downloads





Browse CSDR Submissions

- Apply filters to narrow down search



Program	Model	Contract Task	As Of	Contract Number	Contractor Type	Reporting Contractor	Submission Event	Report Type	Report Cycle	# of Reports	# of Files
PAC-3 - Patriot Advan...	PAC-3		/2/2018	W31P4Q-11-C-0001 (...	Prime	Lockheed Martin Cor...	Interim Report - FlexF...	FlexFile	Initial	1	3
B-2 EHF SATCOM AN...	AN/AP(		/5/2018	F33657-99-D-0028 (FL...	Prime	Northrop Grumman ...	B-2 FlexFile Pilot	FlexFile	Initial	1	2
Bradley ECP	Bradley		/13/2018	W56HZV-12-C-0358 (F...	Prime	BAE Systems	FlexFile Pilot Bradley ...	FlexFile	Initial	1	3
AEHF – Advanced Ext...		AEHF O&S Consolidat...	11/27/2016	FA8823-15-C-0001 (FL...	Prime	Lockheed Martin Cor...	AEHF COOLS FlexFile ...	FlexFile	Initial	1	2
Bradley ECP	Bradley M2/MD Vehi...	Bradley ECP2 TD Pha...	4/27/2018	W56HZV-12-C-0358 (F...	Prime	BAE Systems	FlexFile Pilot Bradley ...	FlexFile	Initial	1	2
STRYKER - Armored V...		30MM Cannon Phase...	12/31/2019	STRYKER ICV LETHALI...	Prime	General Dynamics Co...	Stryker ICV Lethality ...	FlexFile	Initial	1	2
DDG 51- ARLEIGH BU...		DDG 51 FRP Class Flig...	4/30/2015	N00024-11-C-2309 (F...	Prime	Huntington Ingalls Sh...	DDG 113 FlexFile Pilot	FlexFile	Initial	1	1
PAC-3 - Patriot Advan...			9/1/2014	PAC-3 FLEXFILE	Prime	Lockheed Martin Cor...	PAC-3 FlexFile			0	0
SBIRS HIGH - Space-B...				ILE (FA...	Prime	Lockheed Martin Cor...	GEO 5-6 FlexFile	FlexFile		0	0
F-35 - Lightning II Join...				EXFILE (...	Prime	Lockheed Martin Cor...	LRIP 3 FlexFile	Other		0	0

CADE 201

Browse CSDR Submissions Details Page

Back to Search

Submission Metadata

Program:	STRYKER - Armored Vehicle	Phase:	N/A
MIL-STD:	SURFACE VEHICLE	Contract Task:	30MM Cannon Phase 2 Development
Contract #:	STRYKER ICV LETHALITY UPGRADE PHASE II DEVELOPMENT	Sub Event:	Stryker ICV Lethality Upgrade Phase II Development
Reporting Ctr:	General Dynamics Corporation	Report Cycle:	Initial
Division:	Land Systems Division	As Of Date:	12/31/2019
Location:	Sterling Heights, MI	Plan #:	WBS given in original submission
Prime/Sub:	Prime	Submission ID:	47866

Submission Files

File Name
Round 3_STRYKER_GDLS 30MM Production_Jan17_D
Round 3_STRYKER_GDLS 30MM Production_DO5.zip

Expor

Header Data | 1921 Cost Data

Formatted File Export | Export to Excel

WBS ELEMENT CODE	WBS REPORTING ELEMENTS	NUMBER OF UNITS TO DATE	COSTS INCURRED TO DATE (thousands of U.S. Dollars)			NUMBER OF UNITS AT COMPLETION	COSTS INCURRED AT COMPLETION (thousands of U.S. Dollars)		
			NONRECURRING	RECURRING	TOTAL		NONRECURRING	RECURRING	TOTAL
1.0	TOTAL	10	$4452822977.0	$4449920771.0	$8902743748.0	10/0	$4452822977.0	$4449920771.0	$8902743748.0
1.1	Subsystem 1.1	20	$3598704958.0	$3594763883.0	$7193468841.0	20/0	$3598704958.0	$3594763883.0	$7193468841.0
1.1.1	Subsystem 1.1.1	0	$15571725.0	$15540979.0	$31112704.0	0	$15571725.0	$15540979.0	$31112704.0
1.1.2	Subsystem 1.1.2	200	$36076646.0	$36099436.0	$72176082.0	200/0	$36076646.0	$36099436.0	$72176082.0
1.1.3	Subsystem 1.1.3	0	$105062496.0	$104141873.0	$209204369.0	0	$105062496.0	$104141873.0	$209204369.0
1.1.4	Subsystem 1.1.4	0	$3205411874.0	$3201941379.0	$6407353253.0	0	$3205411874.0	$3201941379.0	$6407353253.0
1.1.4.1	Subsystem 1.1.4.1	0	$811353545.0	$810383227.0	$1621736772.0	0	$-	$-	$-
1.1.4.2	Subsystem 1.1.4.2	0	$1271507537.0	$1268989134.0	$2540496671.0	0	$-	$-	$-
1.1.4.3	Subsystem 1.1.4.3	0	$15901322.0	$15945578.0	$31846900.0	0	$-	$-	$-
1.1.4.4	Subsystem 1.1.4.4	0	$679893027.0	$682025741.0	$1361918768.0	0	$-	$-	$-
1.1.4.5	Subsystem 1.1.4.5	0	$74647228.0	$75129132.0	$149776360.0	0	$-	$-	$-
1.1.4.6	Subsystem 1.1.4.6	0	$352109215.0	$349468567.0	$701577782.0	0	$-	$-	$-
1.1.5	Subsystem 1.1.5	0	$236582217.0	$237040216.0	$473622433.0	0	$236582217.0	$237040216.0	$473622433.0
1.1.5.1	Subsystem 1.1.5.1	0	$11504988.0	$11503700.0	$23008688.0	0	$-	$-	$-
1.1.5.2	Subsystem 1.1.5.2	0	$18999518.0	$19017065.0	$38016583.0	0	$-	$-	$-
1.1.5.3	Subsystem 1.1.5.3	0	$21234824.0	$21293666.0	$42528490.0	0	$-	$-	$-
1.1.5.4	Subsystem 1.1.5.4	0	$50216239.0	$50251521.0	$100467760.0	0	$-	$-	$-
1.1.5.5	Subsystem 1.1.5.5	0	$17939627.0	$17985623.0	$35925250.0	0	$-	$-	$-
1.1.5.6	Subsystem 1.1.5.6	0	$116687021.0	$116988641.0	$233675662.0	0	$-	$-	$-
1.2	Subsystem 1.2	0	$46416008.0	$46624880.0	$93040888.0	0	$46416008.0	$46624880.0	$93040888.0
1.3	Subsystem 1.3	0	$432744539.0	$432534470.0	$865279009.0	0	$432744539.0	$432534470.0	$865279009.0
1.3.1	Subsystem 1.3.1	0	$349900225.0	$349585498.0	$699485723.0	0	$349900225.0	$349585498.0	$699485723.0
1.3.2	Subsystem 1.3.2	0	$60594104.0	$60678795.0	$121272899.0	0	$60594104.0	$60678795.0	$121272899.0

Administrative Files

File Name
CSDR Cost and Hour Report Template_STRYKER RI

Parsed 1921-Series Reports

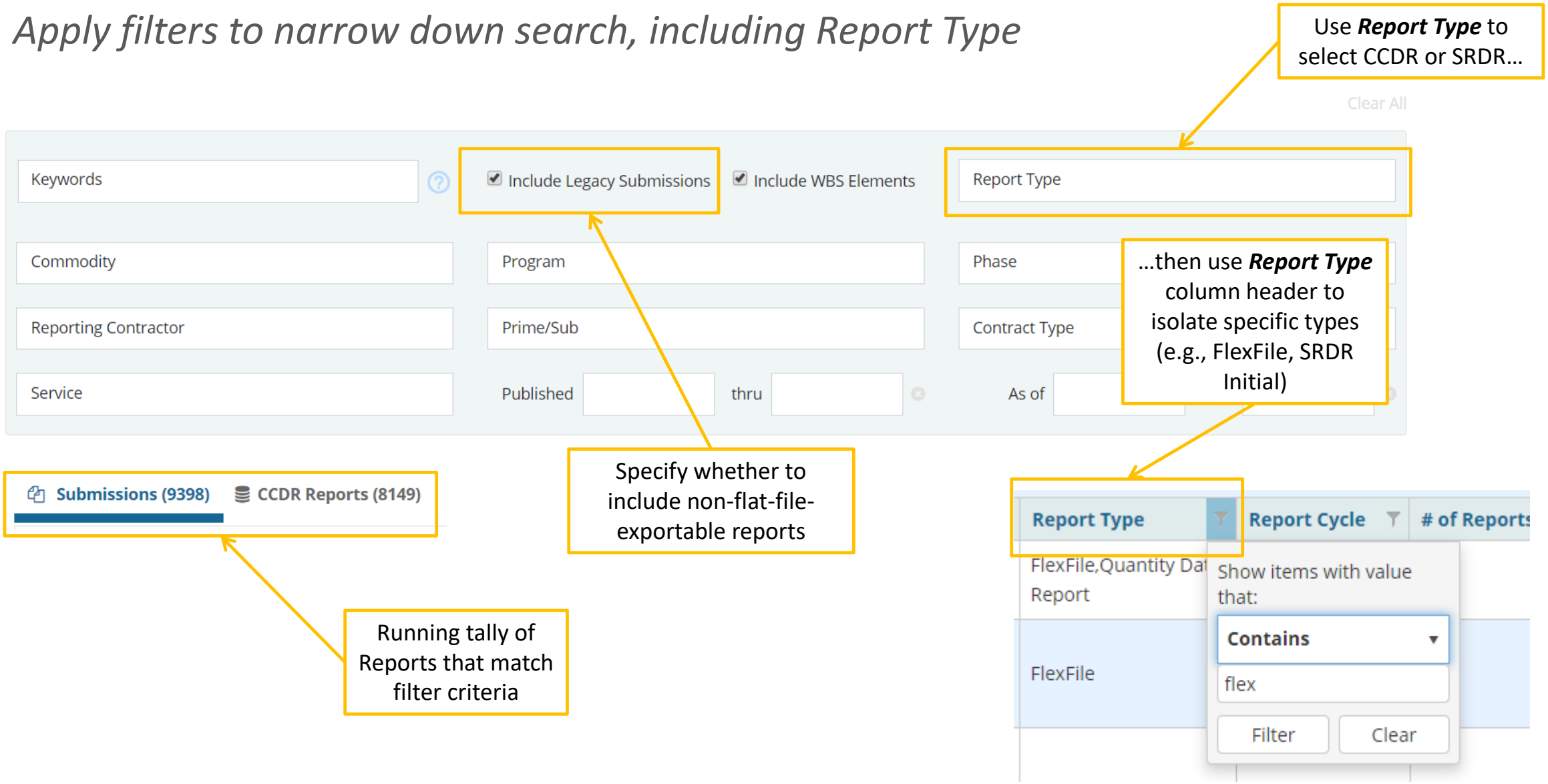
Report Name	Derived From	As Of Date	Subtotal, At Complete ($k)			% Complete	Actions
			NR	Rec	Tot		
Stryker ICV Lethality Upgrade Phase II Development							

Bulk download submission files

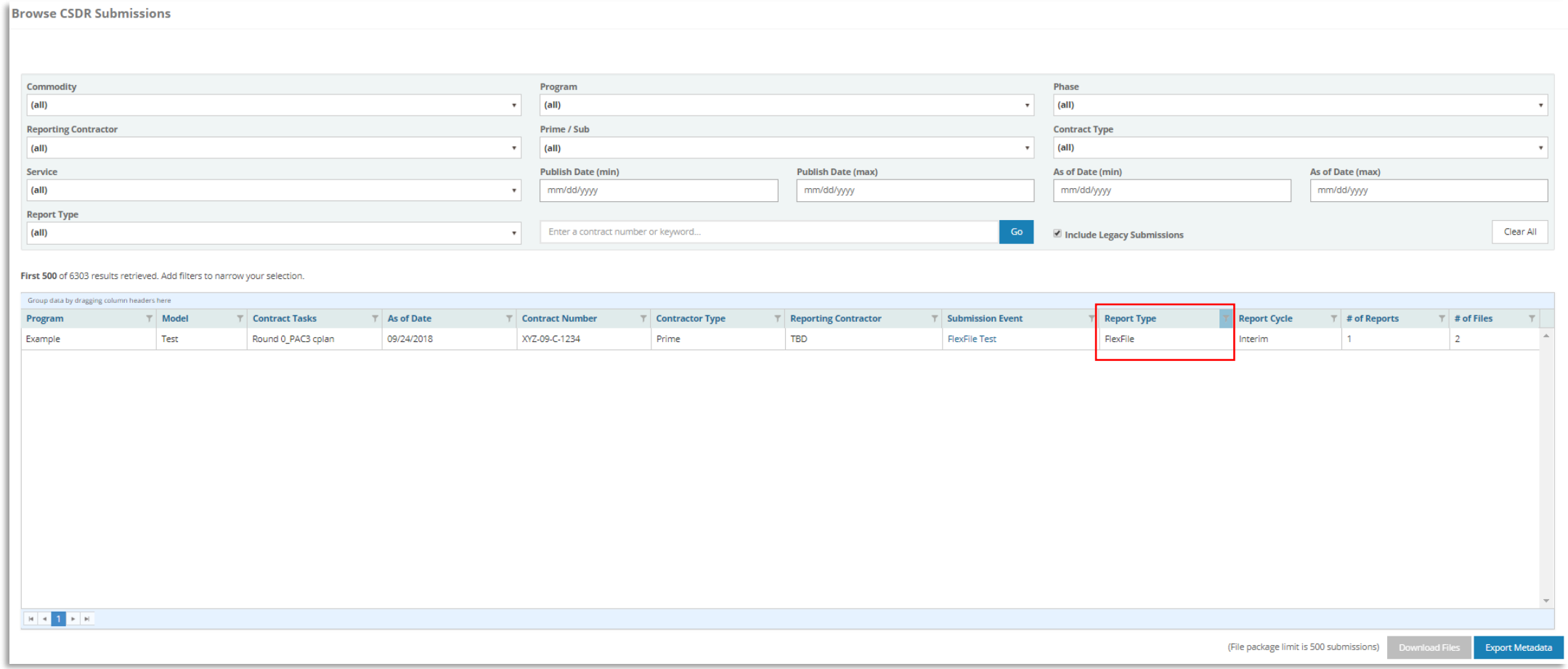
Download excel version of formatted 1921 & flat file export *(metadata, remarks & definitions)*

Browse CSDR Submissions Details

Apply filters to narrow down search, including Report Type



Data Access – Data and Analytics



FlexFiles can be accessed using the Browse CSDR Submissions feature in Data & Analytics
Utilize filters to narrow search results > select submission event.

Data Access – Bulk Exports

SAR Data

Analysts can bulk export all available Select Acquisition Report (SAR) in the JSON format using the button below.

Export SAR Data — Last Updated: 9/1/2023

SRDR Data

Analysts can bulk export all submitted SRDR data using the buttons below.

Export SRDR Dev Data — 261 Software Development Reports (3026-1), last updated 09/20/2023.

Export SRDR Maint Data — 134 Software Maintenance Reports (3026-2), last updated 09/21/2023.

Export SRDR ERP Data — 63 ERP Software Development Reports (3026-3), last updated 09/21/2023.

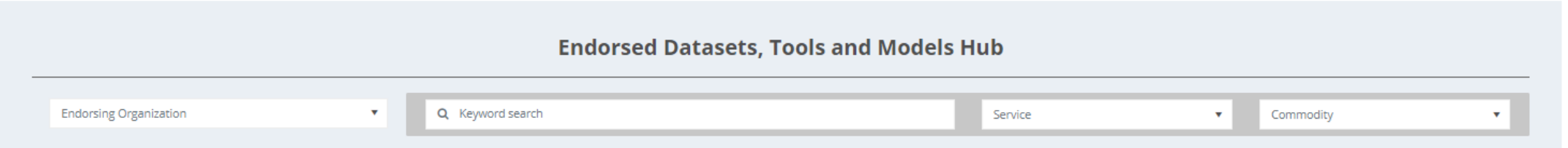
Export Legacy SRDR Data — Database of legacy SRDR data (2630 series) containing 5,405 data points and last updated in Feb 2023. (Maintained by NAVAIR Cost and Schedule Analysis Department)

FlexFile Data

This export provides the time-phased actual-to-date data for all FlexFiles in a flattened, pivot-friendly format. The data for each FlexFile is provided as a CSV file which is then packaged into a collection of CSVs within a single ZIP file, identified by the CADE submission ID.

Export FlexFile Pivot Data — 540 FlexFiles, last updated 08/14/2023.

Data Access – DTM Hub

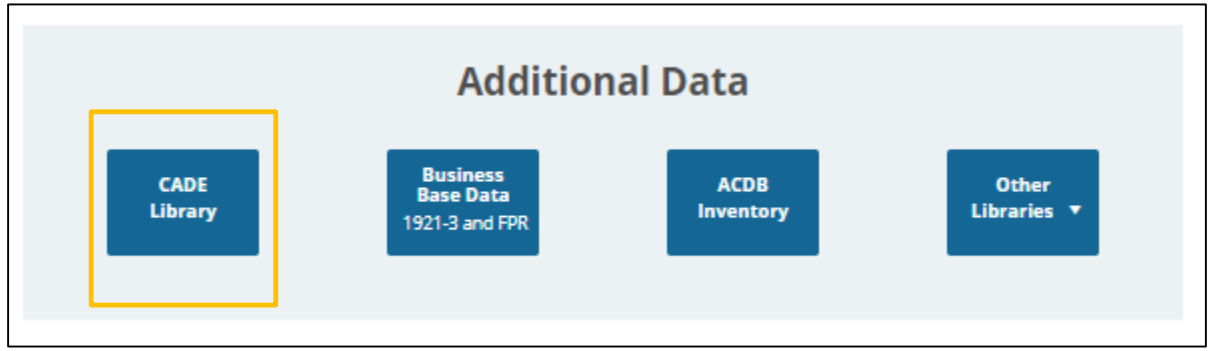


Available Tools depends on CADE Roles / Access

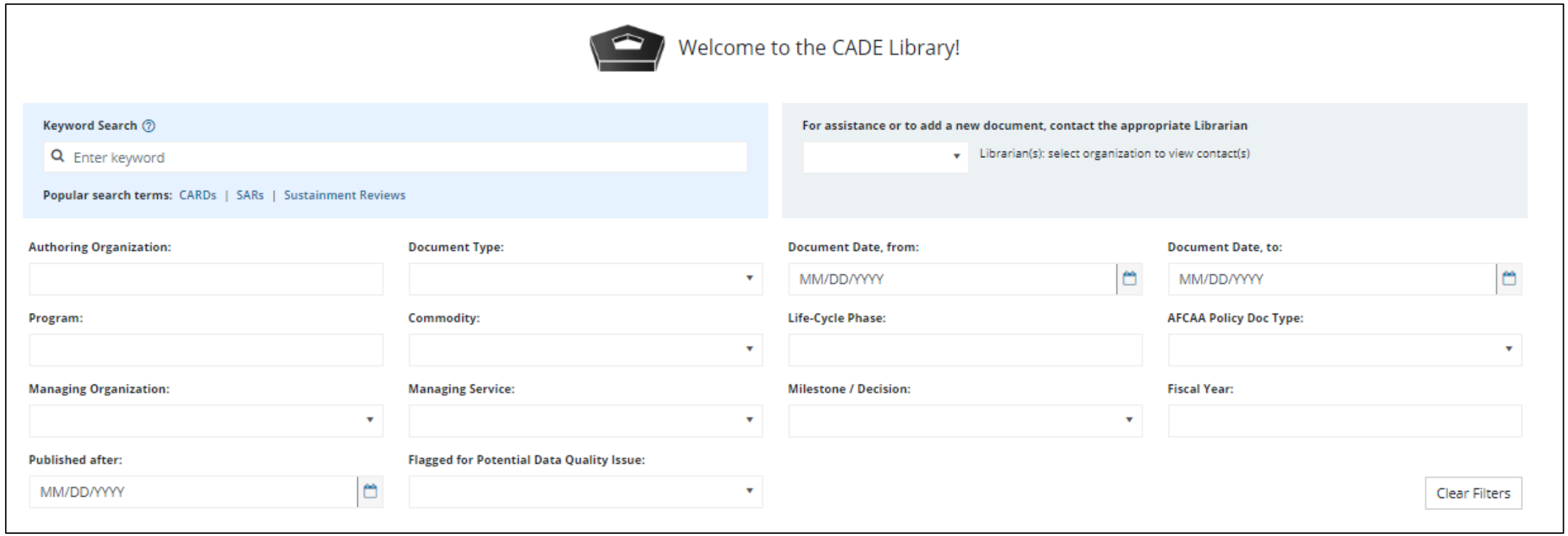
- CADE tools include but are not limited to:
  - NAVAIR SRDR Database
  - AFTOC / OSMIS / VAMOSC
  - KDB: Contracts Database
  - Commodity Specific Databases
  - JIC: Joint Inflation Calculator
  - Validation Tools: Reviewcsdr R Package* and PowerBI CSDR Tool
  - ACEIT Tables

* = Available in FACADE

Data Access - CADE Library



- The CADE library is a document repository that government analysts can use to search for supplemental files that are stored in CADE.
- The library does not currently search the Cost and Software Data Reports (CSDR) or Earned Value Management (EVM) data stored in DACIMS, the EVM-Central Repository (EVM-CR), or CADE.



Next Steps for YOU

Important Documents and POC

All documents can be found at https://cade.osd.mil/

- ✓ Report DIDs (FlexFile, Quantity Data Report, SRDR, and Tech Data Report)
- ✓ Report Implementation Guides
- ✓ Instructions for completing DD 2794
- ✓ DD Form 2794 Format
- ✓ Draft CDRL Language

See https://cade.osd.mil/support for training material and information on upcoming training events