C*CERT+

Release Notes
Version 4.1.6.0

August 26, 2025

Table of contents

CSDR Requirement Thresholds

<u>**May 2019**</u>

<u>Affected Programs:</u>

- All ACAT I Programs. ACAT I is defined as:
    - RDT&E > 480M
    - Procurement > $2.79B

- CAPE August 2018 Memorandum
    - Middle Tier Acquisition Programs where:
        - Total estimate expenditures > $100M
        - Contracts > than $20M

- CAPE January 2019 Memorandum
    - All ACAT II Programs where:
        - Contracts > $50M
        - Discretionary by Program Manager or Agency Cost Center at > $20M

TECHNICAL INFORMATION

System Requirements - Page #5

Pre-Installation Recommendation - Page #6 - Page #8

Installation - Page #9 - Page #10

System Requirements

Framework

  i. Microsoft .net framework 4.6 is required

  ii. Installation of C*CERT+ does not include the installation of Microsoft .net framework

System Files

  i. Microsoft Visual C++ (2015 - 2019) Redistributable (x64)

    i. This file comes included with the C*CERT+ installation package as a prerequisite.

    ii. If, during installation, this file is not found to already be installed on the computer, then C*CERT+ will prompt the user to install.

  iii. All other files required are included in the installation process

Operating Systems

  i. Windows 11 Professional 64-bit

    ii. Some Windows 11 Professional Configurations may required the Windows Feature ".Net 3.5 (Includes 3.0 and 2.0)" to be turned on in order to completely install.

  iii. Windows 10 Professional 64-bit

  iv. Windows Server 2012/2016 64-bit

  v. 32-bit Operating Systems are no longer supported

Pre-Installation Recommendations

It is always recommended a backup is made of the following C*CERT+ data items were applicable.

Use the C*CERT+ Export to Excel functionality to create the backup files where a

Legacy			Flex File		
Menu Tab	**Menu Group**	**Items(s) to Backup**	**Menu Tab**	**Menu Group**	**Item(s) to Backup**
CPR Consolidation	Consolidation	Consolidated Headers	CCDR	Setup	Report Configuration - Screen Shot should suffice
CCDR	Setup	Meta Data	CCDR	Setup	Meta Data
CCDR	Setup	Alternate WBS	CCDR	Setup	DD 2794 WBS
CCDR	Setup	Templates(s) - Screen Shot should suffice	CCDR	Setup	Order/Lots
CCDR	Setup	Unit/Lots	CCDR	Setup	End Items
CCDR	Mappings	DD 2794 WBS Mapping	CCDR	Setup	CLINs
CCDR	Mappings	Element Maintenance	CCDR	Setup	Overhead Categories
CCDR	Mappings	Functional Data Element Mapping	CCDR	Mappings	Rec/Non Recurring
CCDR	Mappings	Unit Grouping - Screen Shot should suffice	CCDR	Mappings	Category Mappings/Category Rules
CCDR	Mappings	Unit/Lot Allocations	CCDR	Mappings	WBS Definitions/Remarks
CCDR	Mappings	Characteristics	CCDR	Mappings	Overhead Category Mapping
			CCDR	Mappings	CLIN Mapping
			CCDR	Allocations	Order/End Item Allocations
			CCDR	Allocations	Unit/Sublot Allocations
			CCDR	Quantity Data	1921-Q
			CCDR	Quantity Data	1921-Q Remarks

Use Source Data Extraction for Backup

Source Data Extraction provides the means to export out all of the Database Source Data, Mappings and Allocations during a single process.

For single file backups - this is the recommendation.
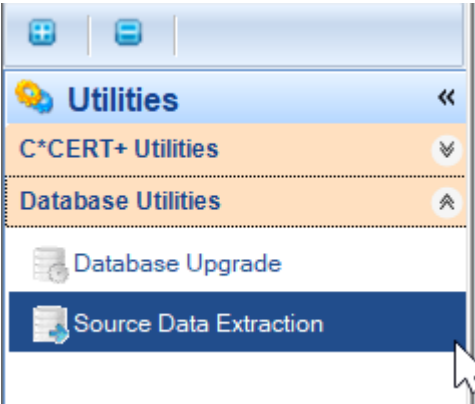
1. Select the Path of where the Database(s) are to perform Source Data Extraction.
2. Select the Database for Source Data Extraction

3. Connect to Selected Database

	Database List	Select Database for Data Extraction	Selected Database Version
1	New DB Check DD 2794 Foreign Keys		
2	New Empty Database		
3	RADAR 1 & 2_FF_ETC SAME_MULTIPLE BY TYPE v4.0.1.0 Delete Order 1		
4	RADAR 1 & 2_FF_ETC SAME_MULTIPLE BY TYPE v4.0.1.0 Delete Order		
5	RADAR 1 & 2_FF_ETC SAME_MULTIPLE BY TYPE		
6	RADAR 1_FF_FAC SAME_TYPE_TIER 1 v4.0.1.0 DEV		
7	RADAR 1_FF_FAC SAME_TYPE_TIER 1 v4.0.1.0		
8	RADAR 1_FF_FAC SAME_TYPE_TIER 1		
9	TD Import Test		
10	Test new xml import		
11	Timephase Blank DB Test 2		
12	Timephase Blank DB Test		

Use Database Archive for Backup

Database Archive performs a backup in the form of a ZIP file to a desired backup location.

For full Database Backups - this is the recommendation.
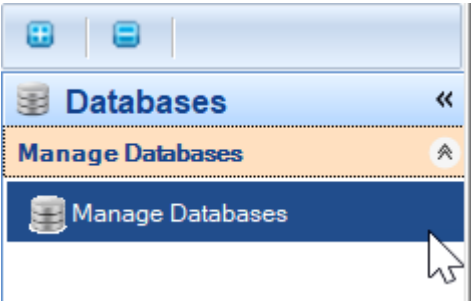
1. Select the Path of where the Database(s) reside for Archive
2. Select the Database to Archive

3. Select the Archive Database button

|	Select to Connect	Database Name	Last Modified
1		New DB Check DD 2794 Foreign Keys	10/29/2021 8:23:18 AM
2		New Empty Database	10/19/2021 6:43:41 AM
3		RADAR 1 & 2_FF_ETC SAME_MULTIPLE BY TYPE v4.0.1.0 Delete Order 1	10/29/2021 1:31:00 PM
4		RADAR 1 & 2_FF_ETC SAME_MULTIPLE BY TYPE v4.0.1.0 Delete Order	10/29/2021 11:37:27 AM
5		RADAR 1 & 2_FF_ETC SAME_MULTIPLE BY TYPE	9/16/2021 7:57:54 AM
6	✓	RADAR 1_FF_FAC SAME_TYPE_TIER 1 v4.0.1.0 DEV	10/29/2021 10:09:50 AM
7		RADAR 1_FF_FAC SAME_TYPE_TIER 1 v4.0.1.0	10/1/2021 4:00:39 PM
8		RADAR 1_FF_FAC SAME_TYPE_TIER 1	9/30/2021 3:49:19 PM
9		TD Import Test	9/1/2021 11:34:05 AM
10		Test new xml import	10/19/2021 11:29:04 AM
11		Timephase Blank DB Test 2	10/19/2021 11:45:55 AM
12		Timephase Blank DB Test	10/19/2021 11:33:01 AM

Installation Summary

This version (4.1.6.0) of C*CERT+ is a FULL x64 bit Application.

C*CERT+ is no longer supported on x86 Machines.

• The C*CERT+ installation package comes in the form of a Compressed ZIP File.
• There are two files contained within the ZIP file and they need to be extracted to a desired location in which they can then be accessed.

• The two files are:
    1. C-CERT+ *version* Install.exe (where the version is represented similar to "v4.1.6.0" ; example: "C-CERT+ v4.1.6.0 Install.exe")
        • This file is the actual installation file
        • It is recommended you have Administrator Rights prior to executing this file. In addition it is recommended using the Right-Click "Run As Administrator".

    2. C*CERT License Activation.pdf
        • Provides information and guidelines on activating C*CERT+ after installation.
        • Activation is required for new C*CERT+ users only.

During installation, if the Microsoft Visual C++ Redistributable (x64) (version 2015-2019) is not found to already been installed, then the C*CERT+ install package will prompt the user to install. If this file is not installed then C*CERT+ will not perform 100%.
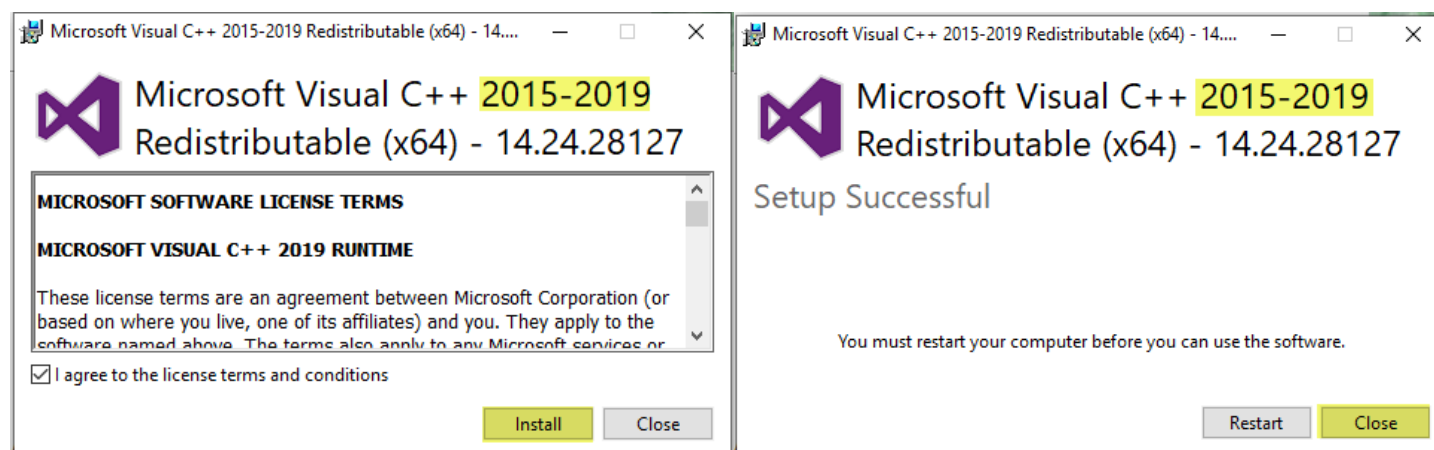
Restart should not be required to complete the installation of C*CERT+ v4.1.6.0

Post v4.1.6.0 Installation

After installing v4.1.6.0 and opening up C*CERT+ - it will try and connect to the last Database used (this information is stored in the ccertconfig.xml file)

After connecting - if the connected database is a version pre v4.1.6.0 - a message will appear indicating a <u>Database Schema Upgrade</u> is required.

Perform a Database <u>Schema</u> Upgrade using **Utilities - Database Upgrade** when this message appears.

  - Use Utilities => Database Utilities => Database Upgrade

  - Note: a connected Database cannot be upgraded (it will show as disabled in the Database Upgrade Utility)
     - You must first connect to another database, or create a temporary database and connect to it, and then use the Database Upgrade Utility and upgrade the desired Database.

  - Please follow the C*CERT+ help on this subject to perform this task

During C*CERT+ Database Upgrade only the Main Database is upgraded. The CCDR Rollup Database, Source Data Database and the Report Database are not upgraded (these are attached databases to the Main database).

These three databases are dynamic and are recreated during each process:

  - ***mainDBName**_tmpRollup.ccertdb* is recreated for each CCDR Rollup process
  - ***mainDBName**_tmpSourceData.ccertdb* is recreated for each Source Data Import process
  - ***mainDBName**_tmpReports.ccertdb* is recreated for some specific Database comparison Reports
  - where *mainDBName* is the name of the Main Database

If after upgrading to v4.1.6.0 this error is received at any time: "SQL Logic Error: no such column T1.TAGKey"

The solution to this is to simply re-import the Source Data which will regenerate the _tmpSourceData.ccertdb database.

Release Notes

Release Notes Overview

Version 4.1.6.0 includes both new Features and Maintenance Updates.

NOTE: there were no changes made to the C*CERT+ Database Connection Manager application.

The Database Configuration Manager will no longer be supported after this v4.1.6.0 release.

COBRA Interface

Although it was still available and can be used, the COBRA Interface SUPPORT was discontinued with the Release of v4.1.5.0.

The same holds true with the Release of v4.1.6.0. However, v4.1.6.0 will be the **last version to provide the availability to use the COBRA Interface**.

This Navigation Option will be **removed starting with v4.1.7.0**.
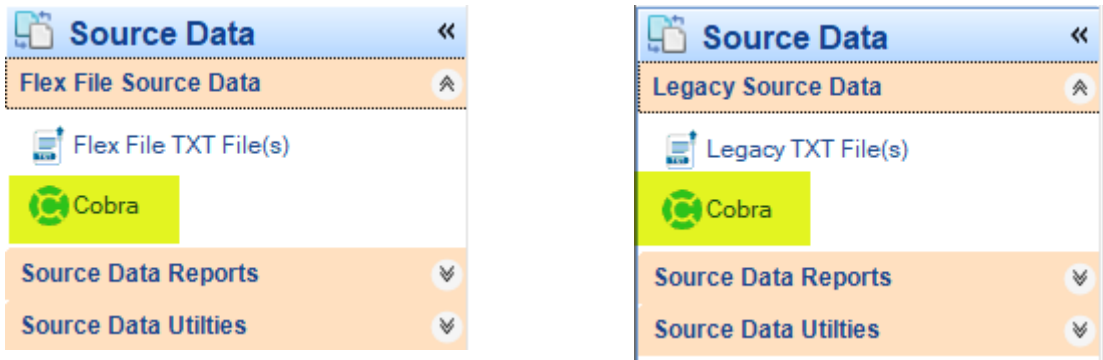
If the COBRA / C*CERT+ interface is still being used, it is highly recommended some communication takes place with the COBRA Database Administrators regrading extraction of Source Data.
    • This should occure IMMEDIATELY

Database Configuration Manager

Although it was still available and can be used, the C*CERT+ Database Configuration Manager SUPPORT was discontinued with the Release of v4.1.5.0.

This utility has been **removed from the installation of v4.1.6.0**.
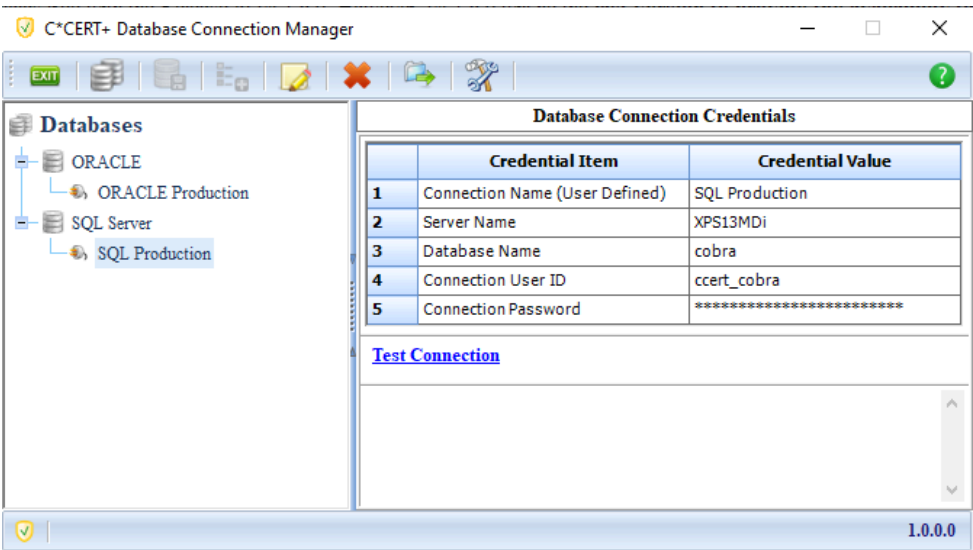
If the Database Configuration Manager Utility is still being used, it is highly recommended some communication takes place with the COBRA Database Administrators regrading extraction of Source Data.
  • This should occure IMMEDIATELY

NEW Features

The following list indentifies the New Features released with C*CERT+ v4.1.6.0

Item	Module	New Feature	DB Types Affected	Page
1	Report Configuration	Always Include Units/Sublots in JSON Output	FlexFile	16
2	DD 2794 WBS	Added SRDR Required Column	FlexFile	17
3	DD 2794 WBS	Added Technical Data Required Column	FlexFile	18
4	DD 2794 WBS	Added CSDR Submission Table retrieve during Import **XML Import Only**	FlexFile	19
5	DD 2794 WBS	Added CSDR Plan Remarks retrieve during Import **XML Import Only**		20
6	WBS Remarks Categories	Added: • PARENT LEVEL ALLOCATIONS • HRS IN INDIRECT CATEGORIES • HRS IN NON LABOR CATEGORIES	FlexFile	21
7	Validations	Direct vs Overhead Details View	FlexFile	22
8	Validations	For **Other Cost Threshold Validations**: Any WBS, even if a Rollup WBS, that breaches ODC 10% threshold will now be Visible	FlexFile	23
9	Validations	For **Other Cost Threshold Validations**: • Copy Selected Text to Parents	FlexFile	24
10	Validations	For **Other Cost Threshold Validations**: • Clear Selected Text at Parent	FlexFile	25
11	Validations	Update WBS Remarks with Not Applicable	FlexFile	26
12	Technical Data Report	Support for the Output of the Technical Data Report has been added	FlexFile	27

Always include Units/Sublots in JSON Output

A new option selection has been added to the Unit/Sublot Allocation Level Report Configuration Item.
  • Always Include Units/Sublots in JSON Output

With this option selected, if Units or Sublots were created in the Units/Sublots Setup User Interface, the Units/Sublots JSON table will be created showing these items regardless if there are any Actual Allocations or not. This provides as solution to be compliant with a request from the Government customer to provide Units or Sublots that will eventually contains Actual Touch Labor Cost Allocations.

Report Configuration

Report Configuration

EXIT

	Configuration Item	Configuration Option
1	Actuals To Date Time-phasing Defined in DD 2794 Plan	Monthly
2	Detail Line Item Level Of Cost	Direct + Overhead + G&A + FCCM
3	Standard Category Source And Mapping	Use Source SC Mapping Field
4	Standard Category Source Field Lookup	SC_CODES
5	Standard Category Level	Standard Category
6	Unit/Sublot Allocation Level	Touch Labor Cost Only
7	First Unit/Last Unit Sequence Required	N/A
8	CLIN Source and Mapping	Touch Labor Cost Only
9	Functional Category Field	Always Include Units/Sublots in JSON Output / Type
10	Forecast At Completion By Recurring/NonRecurring Required	YES
11	Forecast At Completion By Standard Category Required	YES
12	G&A as Standard Category	YES
13	FCCM As Standard Category	YES
14	ETC/FAC exists at the same Hierarchy Level as Actuals	YES
15	Zero Actual Submittal	NO
16	Validations and JSON output Format Number of Decimal Places (Def	4
17	Recurring/Non Recurring Source and Mapping	REC_NR
18	Recurring Lookup Value	REC
19	Non Recurring Lookup Value	NR

DD 2794 WBS: SRDR Column

As part of the DD 2794 WBS, a new Field has been added: SRDR Required.

If using the DD 2794 XML format to import into C*CERT+, this field will automatically be updated.

It can also be updated manually in the DD 2794 WBS User Interface.

DD 2794 WBS: Technical Data Report Column

As part of the DD 2794 WBS, a new Field has been added: Technical Data Required.

If using the DD 2794 XML format to import into C*CERT+, this field will automatically be updated.

It can also be updated manually in the DD 2794 WBS User Interface.

Level	WBS	Description	Parent WBS	Responsible WBS?	Actuals To Date Required	FAC Required	Quantity Required	SRDR Required	Technical Data Required
1	1	Aircraft System		✔	✔	✔	✔	☐	☐
2	1.1	Air Vehicle	1	✔	✔	✔	✔	☐	☐
3	1.1.1	Airframe	1.1	✔	✔	✔	☐	✔	✔
3	1.1.2	Propulsion	1.1	✔	✔	✔	☐	✔	✔
3	1.1.3	AV Applications Software	1.1	✔	✔	✔	✔	✔	✔
3	1.1.4	AV System Software	1.1	✔	✔	✔	✔	☐	✔
3	1.1.5	Communications/Identification	1.1	✔	✔	✔	✔	☐	☐
3	1.1.6	Navigation/Guidance	1.1	✔	✔	✔	✔	✔	✔
3	1.1.7	Central Computer	1.1	✔	✔	✔	✔	☐	☐
3	1.1.8	Fire Control	1.1	✔	✔	✔	✔	☐	☐
3	1.1.9	Data Display and Controls	1.1	✔	✔	✔	✔	☐	☐
3	1.1.10	Survivability	1.1	✔	✔	✔	✔	☐	☐
3	1.1.11	Radar Subsystem AV	1.1	✔	✔	✔	✔	☐	☐
3	1.1.12	Automatic Flight Control	1.1	✔	✔	✔	✔	☐	☐
3	1.1.13	Central Integrated Checkout	1.1	✔	✔	✔	✔	☐	☐
3	1.1.14	Antisubmarine Warfare	1.1	✔	✔	✔	✔	☐	☐
3	1.1.15	Armament	1.1	✔	✔	✔	✔	☐	☐
3	1.1.16	Weapons Delivery	1.1	✔	✔	✔	✔	☐	☐
3	1.1.17	Auxiliary Equipment	1.1	✔	✔	✔	✔	☐	☐

DD 2794 WBS: Submission Event Table

As part of the DD 2794 WBS, a new Option has been added: Submission Event Table

If using the DD 2794 XML format to import into C*CERT+, the Submission Event table from the XML will be imported. Submission Events are imported and stored based on :
- The Plan Number
- Revision Number
- Last Approved Date
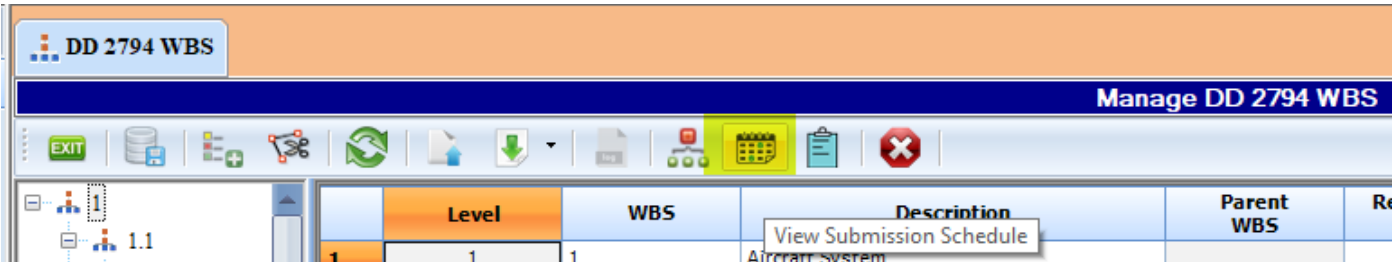
Plan Number: [REDACTED] **Revision Number:** 1 **Last Approved Date:** 2020-05-06

	Event ID	Events	Submission Number	Event Name	Report Cycle	As Of Date	Due Date
1	3845b6f0	COST HOUR REPORT | QUANTITY REPORT	1	Contract Award Plus 6 Months	INITIAL	2022-11-30	2023-01-31
2	63049819	SRDR / DEVELOPMENT | COST HOUR REPORT | QUANTITY REPORT	2	FY23 Annual Report	INTERIM	2023-07-31	2023-09-30
3	60b3ab33	COST HOUR REPORT | QUANTITY REPORT	3	FY24 Annual Report	INTERIM	2024-07-31	2024-09-30
4	1b707a46	SRDR / DEVELOPMENT | COST HOUR REPORT | QUANTITY REPORT	4	FY25 Annual Report	INTERIM	2025-07-31	2025-09-30
5	65cd4672	COST HOUR REPORT | QUANTITY REPORT	5	FY26 Annual Report	INTERIM	2026-07-31	2026-09-30
6	48be041f	SRDR / DEVELOPMENT | COST HOUR REPORT | QUANTITY REPORT	6	FY27 Annual Report	INTERIM	2027-07-31	2027-09-30
7	63a307b3	COST HOUR REPORT | QUANTITY REPORT	7	FY28 Annual Report	INTERIM	2028-07-31	2028-09-30
8	2bbbd9d8	SRDR / DEVELOPMENT | COST HOUR REPORT | QUANTITY REPORT	8	FY29 Annual Report	FINAL	2029-07-31	2029-09-30

DD 2794 WBS: Remarks Table

As part of the DD 2794 WBS, a new Option has been added: CCDR Remarks Table

If using the DD 2794 XML format to import into C*CERT+, the CCDR Remarks table from the XML will be imported.
CCDR Remarks are imported and stored based on :
• The Plan Number
• Revision Number
• Last Approved Date

The clarity of any Remarks associated with a DD 2794 XML plan is soley dependent on how the Government Financial Analyst created the plan and added the Remarks within their cPET application. Experience indicates this process is not consistent throughout their organizations.
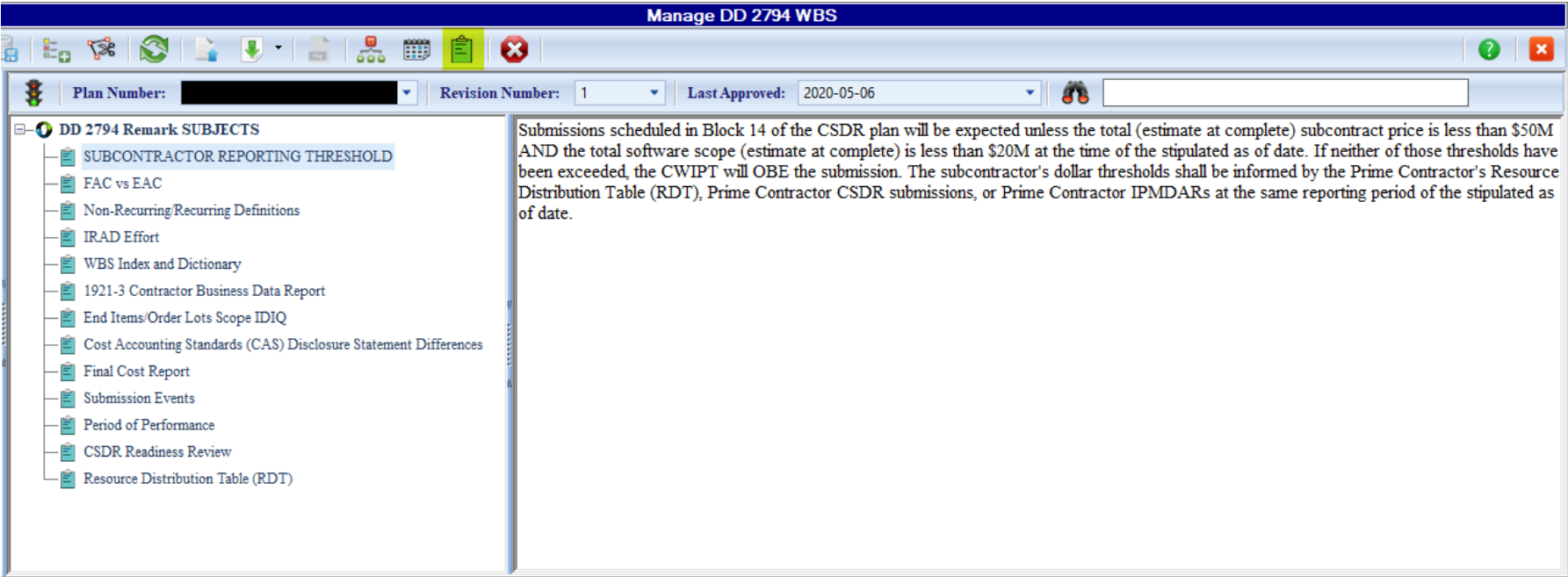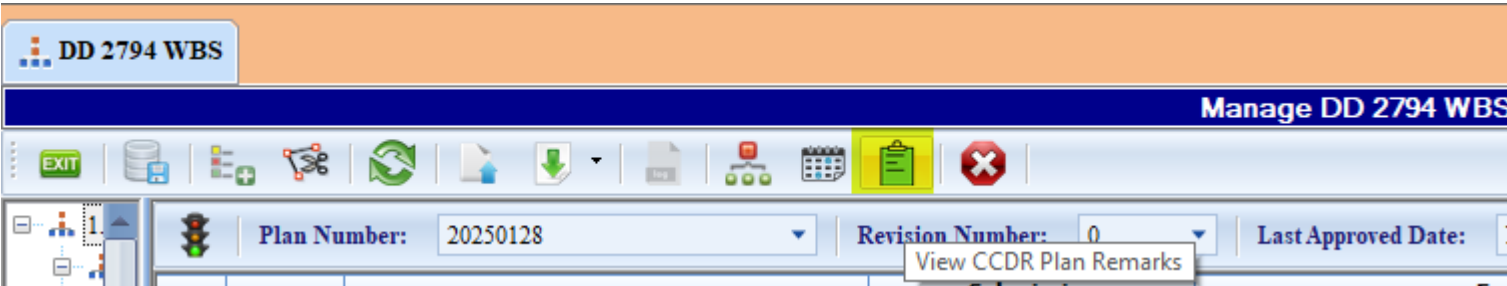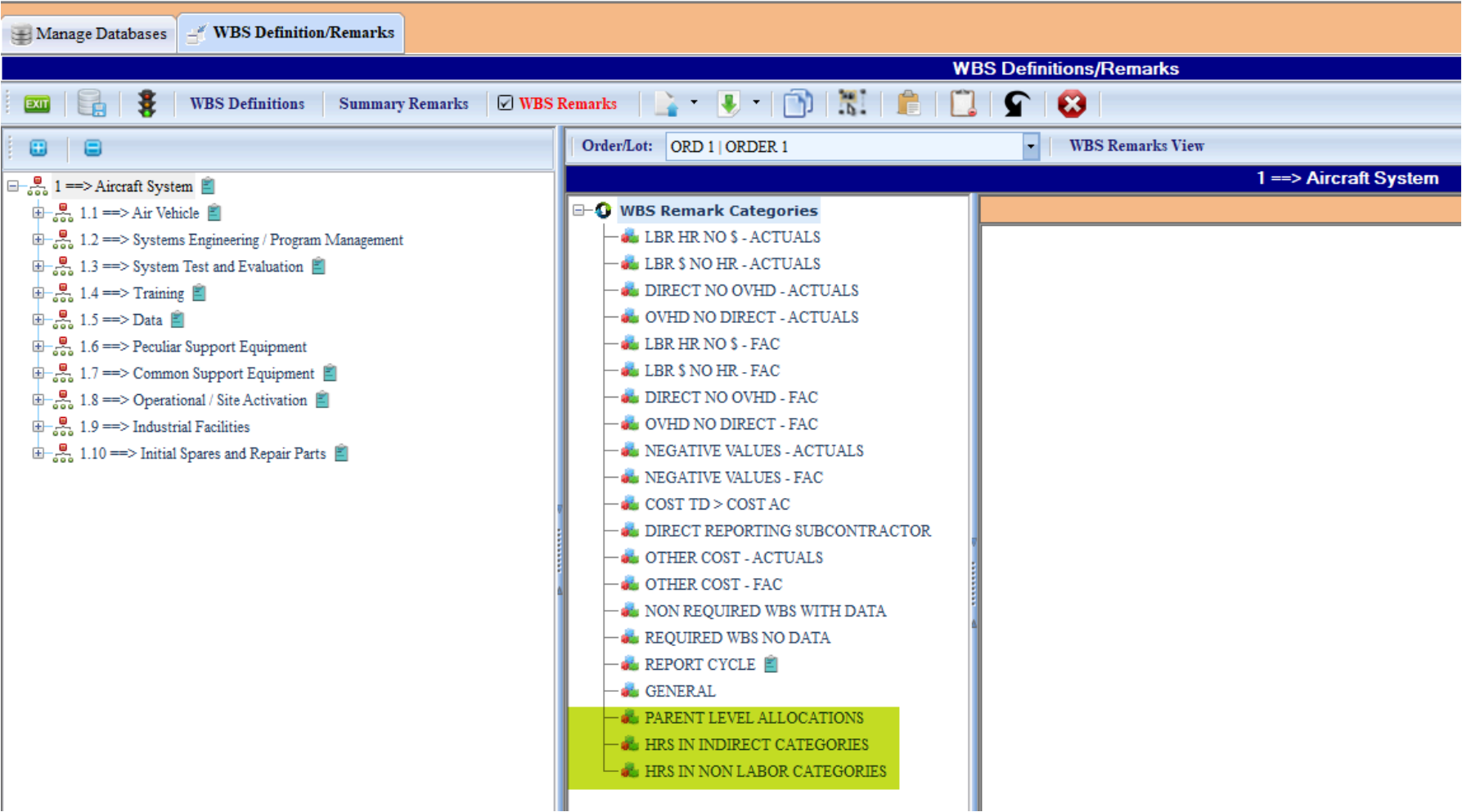
WBS Remarks Categories

In order to support the new Validations implemented on the CADE Portal at the end of February 2025, new WBS Remark Categories have been added:

1. PARENT LEVEL ALLOCATIONS
2. HRS IN INDIRECT CATEGORIES
3. HRS IN NON LABOR CATEGORIES

Remarks entered in these respective Validations will be saved to these new WBS Remark Categories

Direct vs Overhead Details View

A New Data View has been added in Support of the New/Updated CADE/DCARC portal upload validations.
There have been concentrations on these set of Validations:
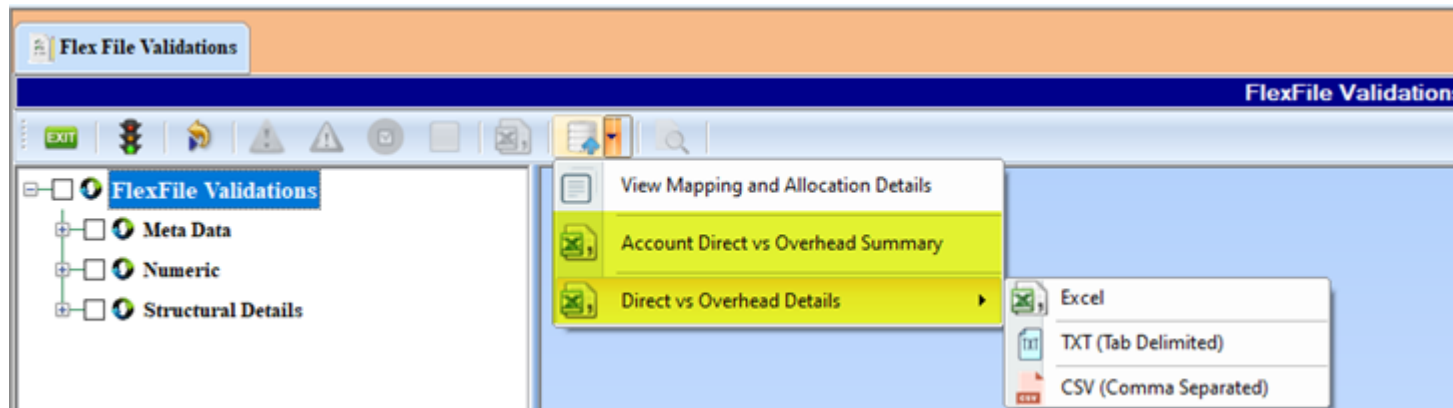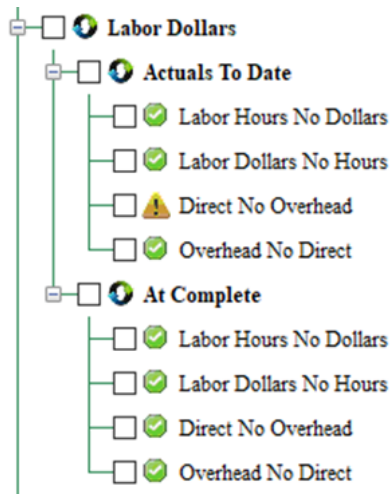
The Direct vs Overhead Details data view can be found when opening the FlexFile Validations.

The Direct vs Overhead Details for Actuals and FAC is designed to provide a side by side look at Direct Hours vs Direct Dollars vs Overhead Dollars.
This View can help analyze the following Validations:
- Labor Hours no Dollars
- Labor Dollars No Hours
- Direct No Overhead
- Overhead No Direct

Output options include TXT and CSV for better performance on Large Databases

Other Cost Threshold Validations

All Reportable WBS Elements, whether detail Child Elements or Parent Rolled Up Elements, that breach the 10% ODC Threshold will now be visible in the following Validations

For FlexFile Databases: **For Legacy Databases:**

	Level	WBS	Parent WBS
1	1	1.0	
2	2	1.1	1.0
3	3	1.1.1	1.1
4	3	1.1.2	1.1
5	3	1.1.3	1.1
6	3	1.1.4	1.1
7	3	1.1.5	1.1
8	3	1.1.6	1.1
9	4	1.1.6.1	1.1.6
10	4	1.1.6.2	1.1.6
11	4	1.1.6.3	1.1.6

COPY Selected Text to Parents

Selecting Remark Text can be **COPIED** to the Parent Hierarchy for those Parents that also breach the ODC Threshold

DD 2794 WBS
:TO DATE total amount of dolla
1.3.3
1.3.3.1
1.3.3.1.1
1.3.3.1.1.10
1.0
1.3

For each Identified Reportable WBS, explain why the Actuals To I

1.3.3.1.1.10 ODC cost which cause the Threshold Breach is due to Travel and Program Management Overhead

1. Select Text
2. Right Click in Remarks Text Box

- Copy to Clipboard
- Paste from Clipboard
- Copy Selected Text to Parents
- Clear Selected Text at Parents

=> Saving WBS/Summary Remarks...
=> Actuals >= 10% - Remarks Required - Remarks Saved!

=> Saving selected text up the WBS Hierarchy. Please Stand By...
=>   • Updating Parent WBS: 1.3.3.1.1...√
=>   • Updating Parent WBS: 1.3.3.1...√
=>   • Updating Parent WBS: 1.3.3...√
=>   • Updating Parent WBS: 1.3...√
=>   • Updating Parent WBS: 1.0...√

If there is Text found at any Parent Level that matches EXACTLY the Text that was Selected and Copied at the Child Element, then it will not copy and produce a duplicate Remark.

CLEAR Selected Text at Parents

Selecting Remark Text can be **CLEARED** at the Parent Hierarchy for those Parents that also breach the ODC Threshold

=> Saving WBS/Summary Remarks...
=> Actuals >= 10% - Remarks Required - Remarks Saved!

=> Saving selected text up the WBS Hierarchy. Please Stand By...
=>   • Updating Parent WBS: 1.3.3.1.1...√
=>   • Updating Parent WBS: 1.3.3.1...√
=>   • Updating Parent WBS: 1.3.3...√
=>   • Updating Parent WBS: 1.3...√
=>   • Updating Parent WBS: 1.0...√

Text at any Parent Level to be CLEARED must match the Selected Text from the Child Element EXACTLY.

Update WBS Remarks with Not Applicable

If a Reportable WBS has a WBS Definition identified as Not Applicable, then in the following FlexFile Validations, the WBS Remarks can quickly be updated.

In the Validation, where the field "WBS Definition has N/A" has a CHECK, right click. A context menu will appear. An option to update the Selected WBS Row only is available, OR all WBS Elements that have a CHECK in the "WBS Definition has N/A" can be updated at one time. The WBS Remark Text added is:

- This Reportable WBS is Not Applicable to this Contract

Technical Data Report

DATA ITEM DESCRIPTION
Title: Technical Data Report
Number: DI-MGMT-82165

New feature added with v4.1.6.0

Overview
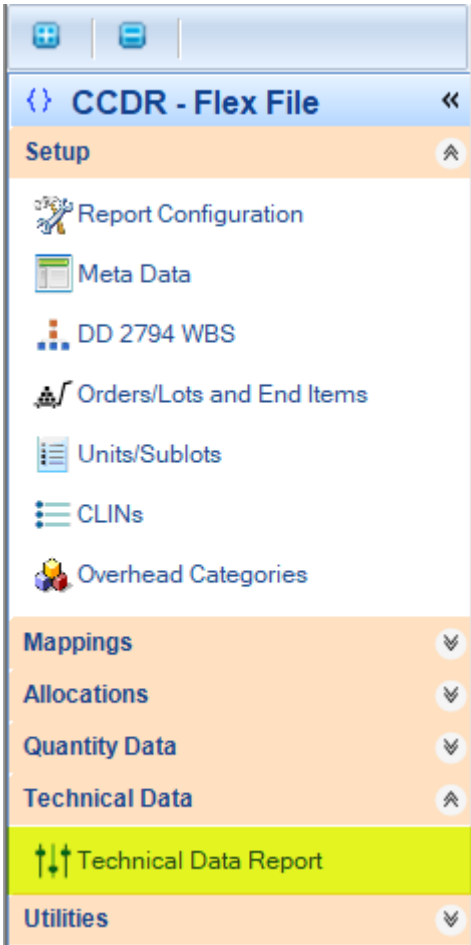
The Technical Data Report is the Department of Defense (DoD) system for collecting technical parameter data as part of the Cost, Software, and Data Reporting (CSDR) requirement.

 The Technical Data Report allows the Government to produce independent assessments of technical and programmatic solutions, and the data provides context to the cost data that assists in developing cost estimating relationships.

The Technical Data Report (TDR) submission format is an Excel Workbook with the following worksheets:
1. Report Metadata
2. Orders Or Lots
3. End Items
4. Work Breakdown Structure
5. Technical Data Parameters
6. WBS Mapping

Items 1 through 4 above will come from the C*CERT+ data created as part of the FlexFile Cost/Hour requirements.

Items 5 and 6 is Technical Data required to be filled out by Technical Engineers.
• C*CERT+ will create these worksheets with some predefined information to help the Technical Engineers complete the requirement.

If C*CERT+ finds any DD 2794 Reportable WBS Elements that have been marked for Technical Data Reporting, then a Navigation Item will be created.

Use the Technical Data Report Navigation option to create the Technical Data Report options:

• Item Types
• Parameters
• Units of Measure
• Unit of Measure Qualifiers

TDR Information from CSDR Plan

If the Government Analyst creates the CSDR Plan that includes Technical Data Information, this data will be included in the CSDR Plan XML Format. This information will then be included during the XML Import into C*CERT+ and be visible when selecting the "View TDR from CSDR Plan" option.

This information will be used and inlcuded with the Technical Data Report Lists when the Technical Data Report Excel Template is created.

There may cases where the required Techincal Data Information is not included in the DD 2794 Plan - XML version. Since this is required, there are two other options to get this data into C*CERT+:

- Import from the Excel version of the DD 2794 Plan - assuming it exists there
- Import from a "Custom" Excel worksheet

	WBS Code	Item Type	Parameter Name	Unit Of Measure (UOM)	UOM Qualifier	Parameter Repeatable?	Parameter Definition
1	1.1.1	SurfaceVehicle	Length	Inches	Per Vehicle		The overall length of the vehicle as measured from the front of the hull to the rear of the hull or turret (exclu
2	1.1.1	SurfaceVehicle	Width	Inches	Per Vehicle		The overall width of the vehicle (excluding appendages)
3	1.1.1	SurfaceVehicle	Crew	Descriptor	Per Vehicle		Number of crew members required to operate the vehicle and key systems on the vehicle
4	1.1.1	SurfaceVehicle	Passengers	Descriptor	Per Vehicle		Number of passengers the vehicle can carry in addition to the required crew.
5	1.1.1	SurfaceVehicle	Fuel Capacity	Gallons	Per Fuel Tank		Total number of gallons of fuel the vehicle can store in its fuel tank(s).
6	1.1.1	SurfaceVehicle	Ground Clearance	Inches	Per Vehicle		Number of inches from the ground the vehicle can successfully clear when moving so that the underbody doe
7	1.1.1	SurfaceVehicle	Fording Depth	Inches	Per Vehicle		Number of inches the vehicle can successfully ford through a water obstacle
8	1.1.1	SurfaceVehicle	Gap Crossing	Inches	Per Vehicle		Number of inches that a water or dry obstacle that the vehicle can traverse or overcome by self bridging.
9	1.1.1	SurfaceVehicle	Vehicle Cone Index	Descriptor	Per Vehicle		At gross vehicle weight, this represents the minimum soil strength coupled with the ground pressure that de
10	1.1.1	SurfaceVehicle	Height	Inches	Per Vehicle		The overall height of the vehicle as measured from the ground to the top of the vehicle superstructure (exclu
11	1.1.1	SurfaceVehicle	Gross Vehicle Weight	Pounds	Per Vehicle		The total weight of the vehicle when all equipment and armor kits are included.
12	1.1.1	SurfaceVehicle	Curb Weight	Pounds	Per Vehicle		The weight of the empty vehicle (no payload) plus the fuel, lubricants, coolant, basic issue items, crew and th
13	1.1.1	SurfaceVehicle	Top Speed	Miles per Hour (mph)			Top speed of the vehicle in mph at gross vehicle weight.
14	1.1.1	SurfaceVehicle	Fuel Economy	Miles per Gallon			Fuel economy measure that represents how far a vehicle can travel on one gallon of fuel at gross vehicle wei
15	1.1.1	SurfaceVehicle	Cruise Range	Miles	Per Vehicle/Fuel Tank		Number of miles vehicle can travel using the on board fuel capacity at gross vehicle weight.
16	1.1.1	SurfaceVehicle	Payload Capacity	Pounds	Per Vehicle		The maximum amount of mission essential cargo, personnel, and equipment the vehicle may carrier/transpor
17	1.1.1.1	IA&T	Quantity Next Higher Assembly	Quantity	Per Vehicle		Number of units of this item to be assembled into its parent assembly.

TDR List Option Values

It is recommended when creating the DD 2794 WBS, to obtain the DD 2794 Plan in XML format and import into C*CERT+.

The XML format will include Technical Data Report required information and in many cases this will include:

- Item Type List values
- Parameter Name List values
- Units of Measure List values.

Whether the imported DD 2794 xml file includes some of these values or not, they can be created and/or added to existing values within C*CERT+.

	Add new Value		Export the entire List Options and values to an Excel Workbook
	Delete selected Value(s)		Import the entire Lists Options and values from an Excel TDR Template

Technical Data Report

	Item Types		Parameters		Units of Measure		Unit of Measure Qualifiers
1	Item Type 1	1	Crew	1	Descriptor	1	Per Fuel Tank
2	Item Type 2	2	Curb Weight	2	Gallons	2	Per Vehicle
3	Item Type 3	3	Fording Depth	3	Inches	3	UOM Qualifier 1
4	Item Type 44	4	Fuel Capacity	4	UOM 1	4	UOM Qualifier 2
5	Item Type 5	5	Gap Crossing	5	UOM 22	5	UOM Qualifier 3D
6	Item Type Plan	6	Gross Vehicle Weight	6	UOM 3	6	UOM Qualifier 4D
7	SurfaceVehicle	7	Ground Clearance				
		8	Height				
		9	Length				
		10	Parameter 1				
		11	Parameter 2				
		12	Parameter 3				
		13	Passengers				
		14	Top Speed				
		15	Vehicle Cone Index				
		16	Width				

Updates v4.1.6.0

The following list indentifies the Updates released with C*CERT+ v4.1.6.0

Item	Module	New Feature	DB Types Affected	Page
1	All	Order/Lot and End Item ID and Name presentation	FlexFile	32
2	FlexFile Validations	Validations Update to support CADE/DCARC Changes	FlexFile	33
3	FlexFile Validations	Validation Export to Excel formatting	FlexFile	34
4	Legacy Validations	New 1921-2 First Unit/Last Unit Compliance	Legacy	35
5	Source Data Import	Indirect Costs Same Row Settings	FlexFile	36

Order/Lot and End Item fields

As per the FlexFile JSON Specifications, ID fields are Primary Key fields (e.g. they are required to be Unique). However, Name fields associated with these ID fields are not required to be Unique.

For Example:

End Item ID	End Item Name
1A	Production
2A	Production

This could be two different End Item Variant Types, however the End Item Name could be the same.

Therefore, starting with C*CERT+ v4.1.6.0 all User Interfaces which include a pick list for Orders/Lots and/or End Items will be represented the following way:

• ID | Name

For Example:

• 1A | Production
• 2A | Production
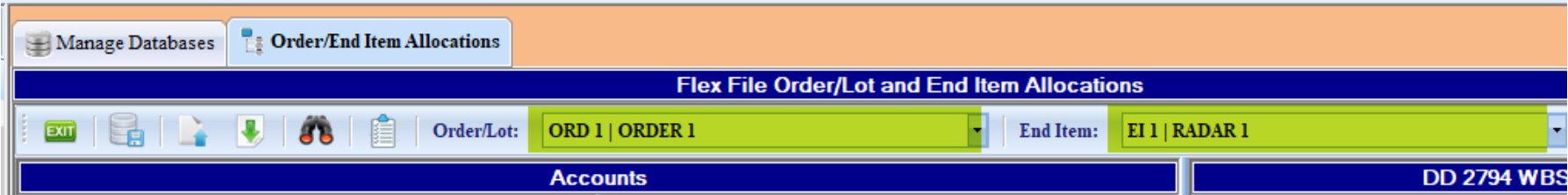
Starting with C*CERT+ v4.1.6.0 all Exports where Orders/Lots and/or End Items are included will also follow the same naming convention.
Start with C*CERT+ v4.1.6.0 all Imports where Orders/Lots and/or End Items are included will also be required to follow the same naming convention.

When importing a file that may have been created in a C*CERT+ version PRIOR to v4.1.6.0, there may be errors indicating Order/Lot and/or End Item not found
• The new naming convention will need to be used

FlexFile Validations

The CADE/DCARC rolled out 207 new/updated Validations to the CADE Portal during the End of February 2025.
Of these 207 Validations, 108 were either new Major Validations or existing Validations that were udpated to the Major level.
A Major Validation will now typically result in a Rejection.

C*CERT+ already had many of these Validations. However in order to support and be compliant with the 207 CADE/DCARC Validation release, many of these C*CERT+ validations were updated from Yellow level to Red level and also updated with more details.

Validations Export to Excel
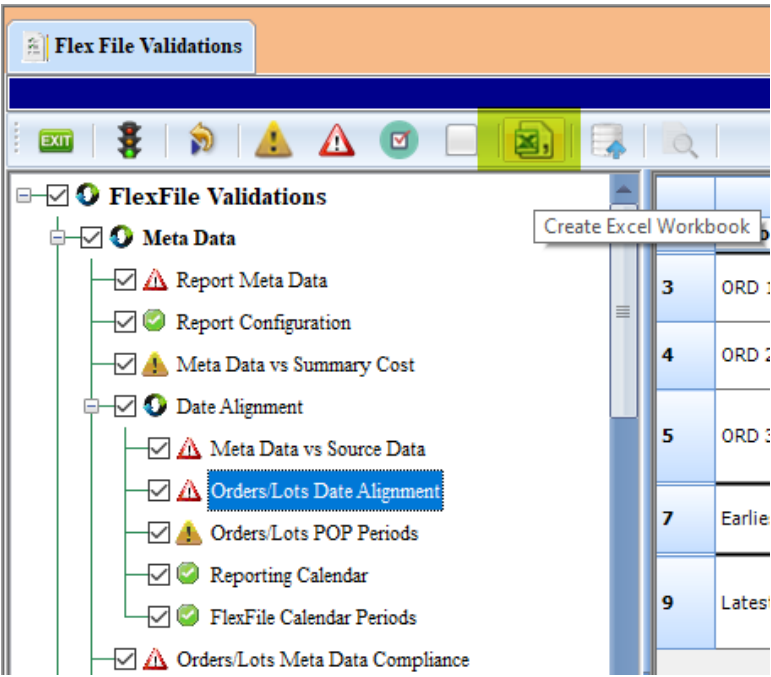
Any Validation which has a check in the Validation Check Box will be included as a separate worksheet in a Saved Excel Workbook.

• For v4.1.6.0, this feature has not changed.

With C*CERT+ v4.1.6.0, every Validation Excel output was updated for formatting in the created worksheet.

• Including the Red, Green and Yellow tab coloring.

Example

	Data Item	POP Start	POP Finish	Note
1				
2	Report Meta Data	2015-09-26	2021-12-31	
3				
4	ORD 1 | ORDER 1	2015-10-26	2021-02-14	• POP Start within Report Meta Data POP Periods. OK. • POP Finish within Report Meta Data POP Periods. OK.
5	ORD 2 | ORDER 2	2015-10-26	2021-02-14	• POP Start within Report Meta Data POP Periods. OK. • POP Finish within Report Meta Data POP Periods. OK.
6	ORD 3 | ORDER 2			• **Missing Order/Lot POP Start. Please Review** • **Missing Order/Lot POP Finish. Please Review.**
7				
8	Earliest Order/Lot POP Start	2015-10-26		• Earliest Order/Lot POP Start not equal to Report Meta Data POP Start. Please Review.
9				
10	Latest Order/Lot POP Finish		2021-02-14	• Latest Order/Lot POP Finish not equal to Report Meta Data POP Finish. Please Review.

Worksheet tabs: Meta Data | Report Configuration | Meta Data vs Summary Cost | Date Alignment | Order_Lot Date Alignment | Orders_Lots POP Same Periods | Reporting Calendar

Legacy Validation: 1921-2

A new Validation was added for the Legacy Database which includes the 1921-2 Requirement.

• The Validation check is: by WBS, the WBS First Unit Number and Last Unit Number by Unit/Lot and compares to the same in the To Date Column
• The To Date Column First Unit Number and Last Unit Number should match the respective Units/Lots

CCDR Validations

	Template	DD 2794 WBS	Unit/Lot	Unit/Lot First Number	To Date First Number	Unit/Lot	Unit/Lot Last Number	To Date Last Number
1	Master	1.3.3.6.1	A1	1.0	3.0	A3	20.0	10.0
2	Master	1.3.3.6.5	A2	1.0	3.0	A3	21.0	10.0

CCDR Validations
- Meta Data
- Numeric
  - CCDR Reports Reconciliation
    - 1921 Report
    - 1921-1 Report
    - 1921-2 Report
    - 1921-5 Report
    - Parent/Child Rollups
  - Recurring/Non Recurring
  - Report Hours vs Contract Hours
  - Functional Data Element Totals
  - Cost To Date > Cost At Complete
  - Labor Dollars but No Labor Hours
  - Labor Dollars but No Labor Overhead
  - Labor Hours but No Labor Dollars
  - Overhead but No Direct Dollars
  - Negative Values Found
  - Units To Date > Units At Complete
  - Required Element has Zero At Complete
  - Non Required Element with Costs
  - Other Costs Threshold
  - (1921-2) Other Costs Threshold
 - (1921-2) Unit/Lot First - Last Compliance

Characteristics: 1.3.3.6.1

	Unit	Lot	Data Element	A1	A2	A3	A4	WIP	TD
1	✔	☐	MODEL AND SERIES						
2			FIRST UNIT	1.0	0	5.0	0	0	3.0
3			LAST UNIT	10.0	0	20.0	0	0	10.0
4			CONCURRENT UNITS	0	0	0	0	0	0

Characteristics: 1.3.3.6.5

	Unit	Lot	Data Element	A1	A2	A3	A4	WIP	TD
1	☐	☐	MODEL AND SERIES						
2			FIRST UNIT	0	1.0	11.0	0	0	3.0
3			LAST UNIT	0	10.0	21.0	0	0	10.0
4			CONCURRENT UNITS	0	0	0	0	0	0

Indirect Costs Same Row Settings
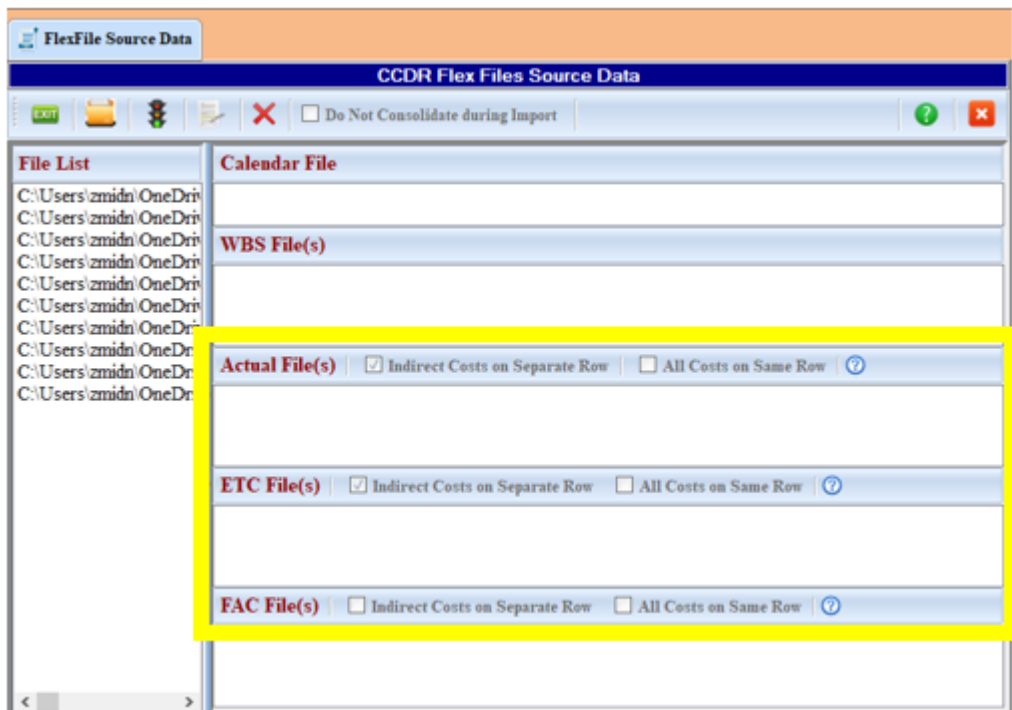
Starting with v4.1.6.0, Enforcement of Actuals/ETC/FAC Indirect Settings have been implemented.

• Once data is initially imported, CCERT "Locks" the "Indirect Cost on Separate Rows" or "Costs on Same Rows" settings for that database
• This prevents the re-importing of conflicting TXT files

In addition, during the importing process, C*CERT+ will check each Transaction record to make sure it aligns with the Configuration Rule selected.

• If a mis-alignment is found, the import Process will be discontinued.