

CUI

AFLCMC/C3CW

Engineering Design Document for

Crew Builder Client – CBC

[Bug 12767](#)

CBC - Crew Details, MEP Error Messaging

Created By: Rahsaan Pringle
Today's Date: 08/11/2025
Requested Push Date: TBD

CUI

1. Change Description and System Information

1.1 System Name and Identification

System Name:	Crew Builder Client
System Acronym:	CBC
Configuration Item Name and Acronym	Crew Builder Client – CBC
Version Number:	1.0.24
Sprint(s):	79
Change Description:	This change corrects the display and wording for specific error messages.
Change Purpose:	Correct incorrect display and wording for error messages.
Impact if change is not approved:	Error messages would be improperly worded and have an incorrect color scheme.

1.2 Required Firewall Modifications:

N/A

1.3 Personally Identifiable Information

N/A

2. Network

2.1 External Interfaces

Domain/Network	Interfaces	Information Description	Information Exchange Attributes
N/A	N/A	N/A	N/A

2.2 IP address

Device Name	Private IP Address	System Name	Additional Information
N/A	N/A		N/A

2.3 Internal Interfaces

Container / Module / Code Base	Internal Interfaces	Information Description	Information Exchange Attributes
N/A	N/A	N/A	N/A

2.4 IP Address

Device Name	Private IP Address	System Name	Additional Information
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SGBP-WS-02P	131.7.1.131	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
SGBP-WS-EPEX03P	131.7.1.132	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
SGBP-WS-EPEX04P	131.7.1.133	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
SGBP-WS-EPEX05P	131.7.1.134	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
SGBP-WS-EPEX07P	131.7.1.136	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
SGBP-WS-EPEX08P	131.7.1.137	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
SGBP-WS-EPEX10P	131.7.1.139	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
SGBP-WS-EPEX11P	131.7.1.142	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
BXCR-AS-SRV51P	214.27.220.51	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
BXCR-AS-SRV52P	214.27.220.52	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers

3. Hardware and Software Lists

3.1. Hardware List

Hardware	Manufacturer Model	COTS/ GOTS Operating Sys	Function	Hardware
SGBP-WS-EPEX02P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX02P
SGBP-WS-EPEX03P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX03P
SGBP-WS-EPEX04P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX04P
SGBP-WS-EPEX05P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX05P
SGBP-WS-EPEX06P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX06P
SGBP-WS-EPEX07P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX07P
SGBP-WS-EPEX08P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX08P
SGBP-WS-EPEX10P	DL360 Gen9	COTS Windows Server 2016	OMNI Staging Web Server	SGBP-WS-EPEX10P
SGBP-WS-EPEX11P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX11P

3.2 Software List

Component	Language	Version	Function
PR Link	TypeScript	V5.4.5	Pull request 1796

3.3 Languages

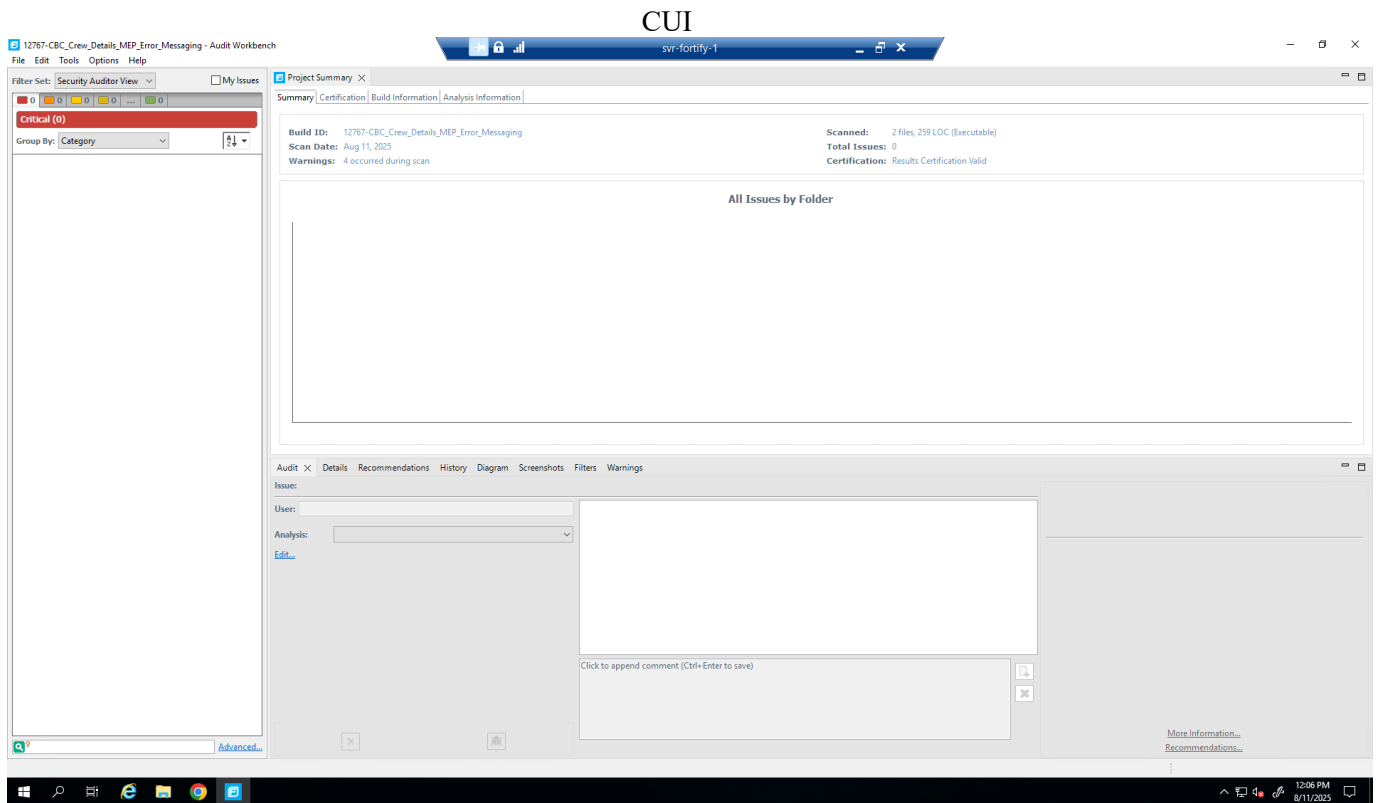
TypeScript v.5.4.5

4. Security Scans, Testing & Help Documents

4.1. Send security scans in POAM format

Attachment provided:

Fortify Scan Results:



4.2 Describe all testing:

Test Cases: David Feathers

- [Test Case 12988 Updated MEP Message](#)

1. Log into PEX with permissions to Flying Schedule
2. Load the sortie filter
3. Select Crew Builder for a sortie with multiple crew members
4. Select the Crew Details for the sortie
5. Select 2 crew members to be "Flight Lead"
6. Select 2 crew members to be "Deputy Lead"

4.3 Is there a Help File? No.

5. Code/Change Review

- [Pull request 1796](#)

5.2. Reviewer Names:

- **Code Reviewed By: TBD**
- **EDD Reviewed By: Phillip Hassoun**

5.3. Does the change require UX Team validation? No.

5.4. Review code for

Readability: There are no redundant comments.

Security: There are no security risks.

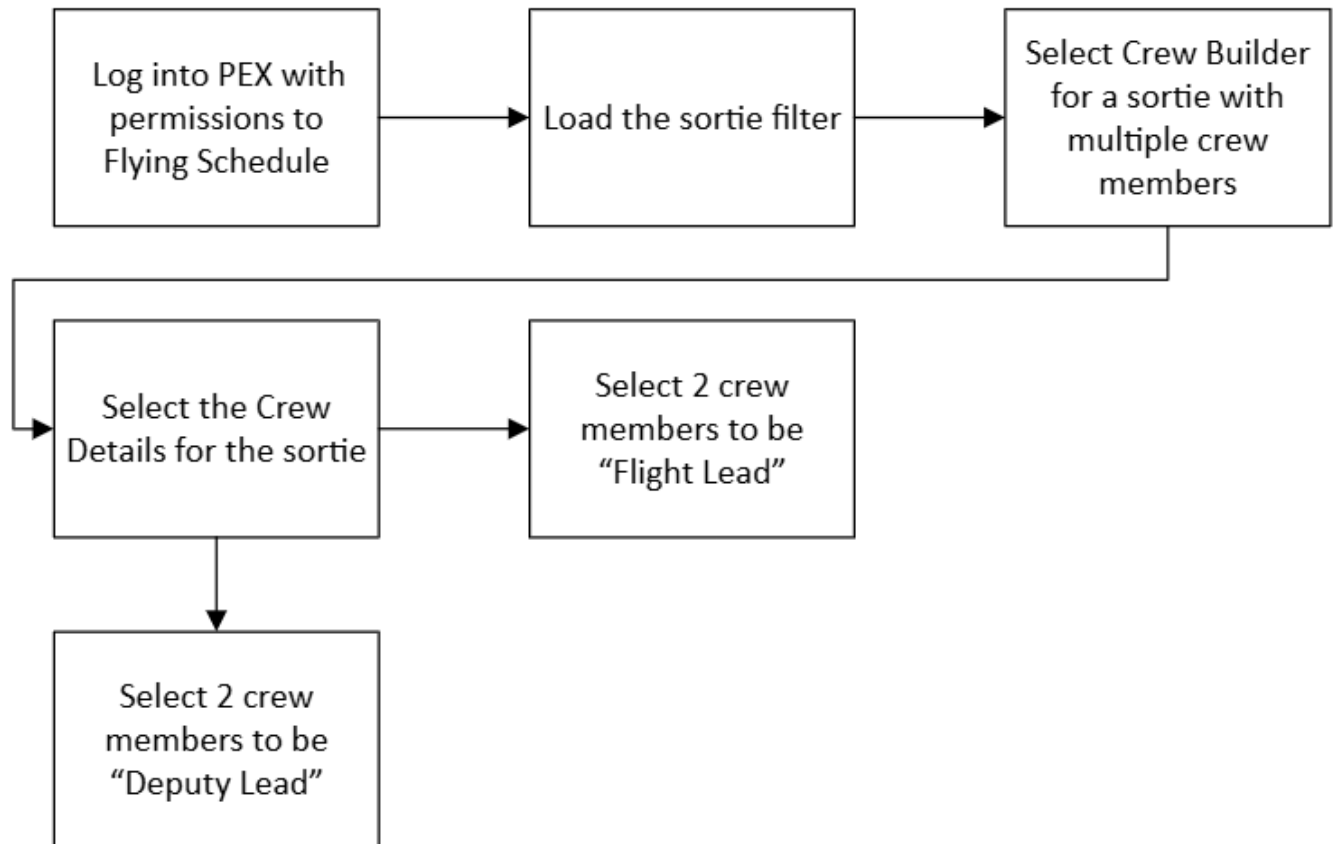
Test coverage: No more test cases required.

Architecture: This code makes use of a design pattern for encapsulation, modularization, and

containerization.

Reusability: This change does not involve the need for reusable components.

6. Data Flow Diagram



7. Logical Connection Diagram

