

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

## 1. Change Description and System Information

### 1.1 System Name and Identification

<b>System Name:</b>	Crew Builder Client
<b>System Acronym:</b>	CBC
<b>Configuration Item Name and Acronym</b>	Crew Builder Client – CBC
<b>Version Number:</b>	1.0.24
<b>Sprint(s):</b>	79
<b>Change Description:</b>	This change corrects the display and wording for specific error messages.
<b>Change Purpose:</b>	Correct incorrect display and wording for error messages.
<b>Impact if change is not approved:</b>	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

## CUI

<b>SGBP-WS-02P</b>	<b>131.7.1.131</b>	<b>PEX</b>	<b>DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers</b>
<b>SGBP-WS-EPEX03P</b>	<b>131.7.1.132</b>	<b>PEX</b>	<b>DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers</b>
<b>SGBP-WS-EPEX04P</b>	<b>131.7.1.133</b>	<b>PEX</b>	<b>DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers</b>
<b>SGBP-WS-EPEX05P</b>	<b>131.7.1.134</b>	<b>PEX</b>	<b>DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers</b>
<b>SGBP-WS-EPEX07P</b>	<b>131.7.1.136</b>	<b>PEX</b>	<b>DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers</b>
<b>SGBP-WS-EPEX08P</b>	<b>131.7.1.137</b>	<b>PEX</b>	<b>DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers</b>
<b>SGBP-WS-EPEX10P</b>	<b>131.7.1.139</b>	<b>PEX</b>	<b>DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers</b>
<b>SGBP-WS-EPEX11P</b>	<b>131.7.1.142</b>	<b>PEX</b>	<b>DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers</b>
<b>BXCR-AS-SRV51P</b>	<b>214.27.220.51</b>	<b>PEX</b>	<b>DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers</b>
<b>BXCR-AS-SRV52P</b>	<b>214.27.220.52</b>	<b>PEX</b>	<b>DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers</b>

### 3. Hardware and Software Lists

#### 3.1. Hardware List

Hardware	Manufacturer Model	COTS/ GOTs Operati ng 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	<a href="#">Pull request 1796</a>

#### 3.3 Languages

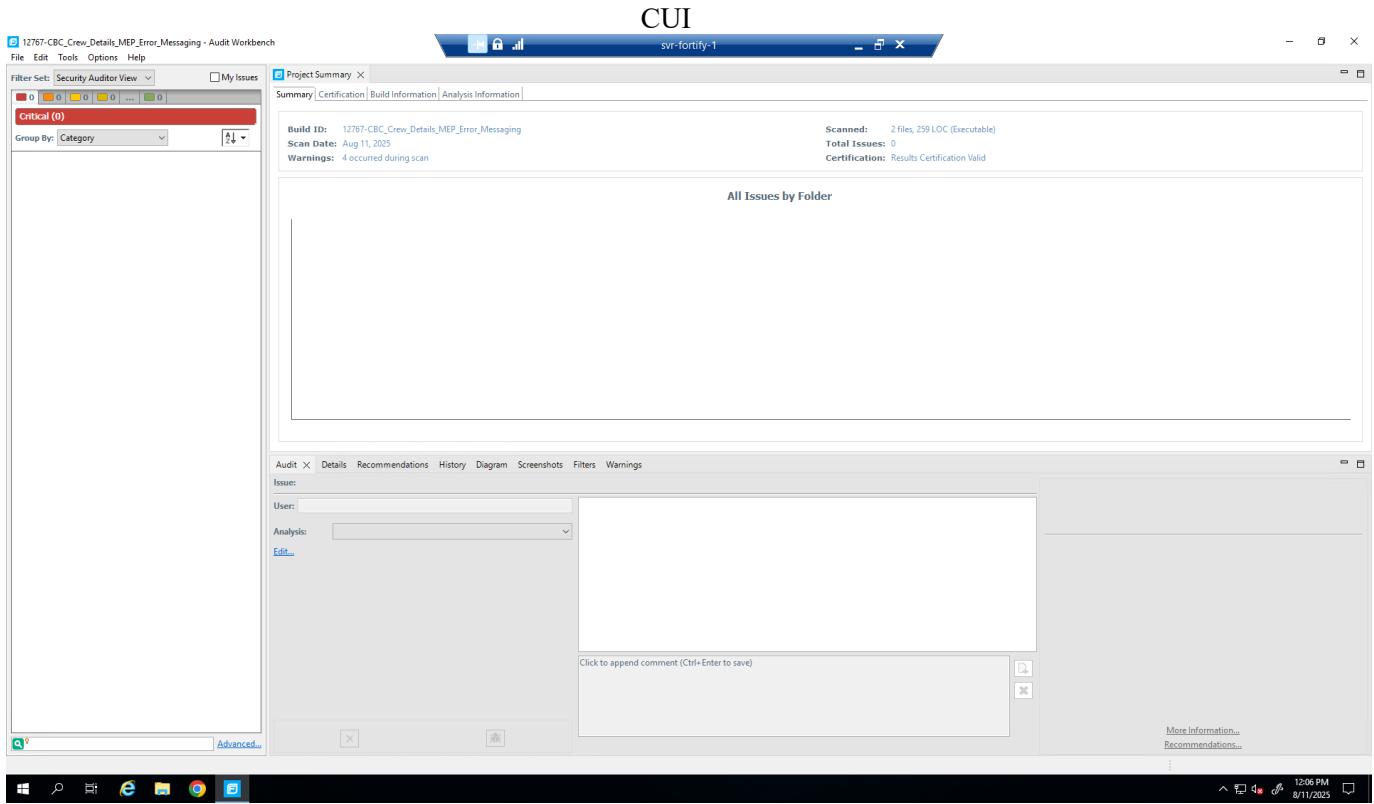
TypeScript v.5.4.5

### 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.

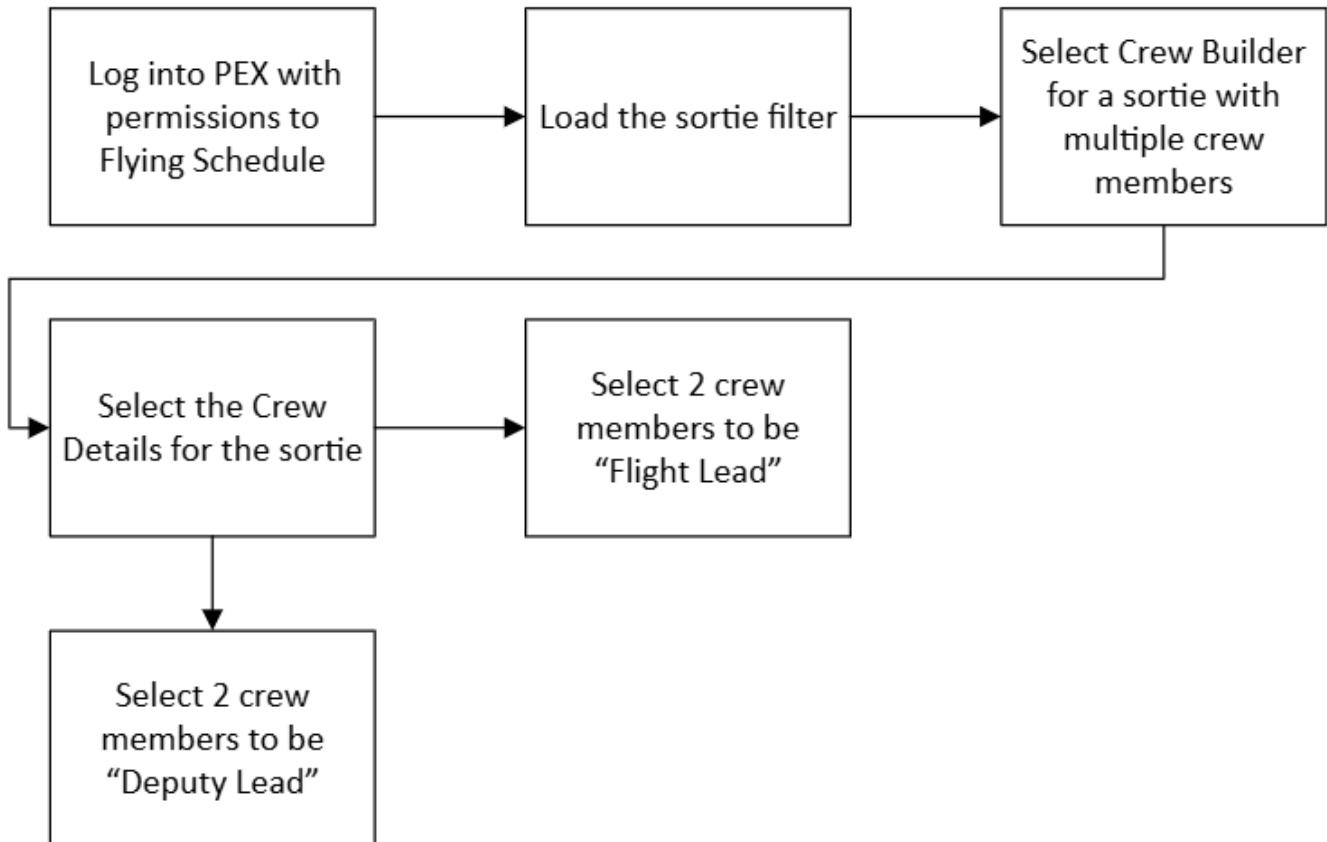
**Test coverage:** No more test cases required.

**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

