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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2025 Air Force **Date:** March 2024

<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 1203176F / <i>Combat Survivor Evader Locator</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	-	0.000	0.000	2.269	0.000	2.269	2.283	2.329	2.414	2.463	Continuing	Continuing
654522: <i>CSAR EMD</i>	-	0.000	0.000	2.269	0.000	2.269	2.283	2.329	2.414	2.463	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**  
 This program, BA 5, PE 1203176F, project 654522, CSEL Portable Interrogator, is a new start.

**A. Mission Description and Budget Item Justification**

The Combat Survivor Evader Locator (CSEL) System provides aircrews with end-to-end global satellite secure emergency communication capability during combat and peace-time flying operations. CSEL provides a hand held radio as part of the mandatory aircrew survival gear. CSEL is a joint program (AF, Army, and Navy) and is the DoD program of record for personnel recovery survival radios. CSEL supports four of five Personnel Mission Phases: Report, Locate, Support, and Recover.

A National Security Agency (NSA) Cryptographic Modernization mandate and the Ultra High Frequency Follow-On satellite constellation are at the end of life and are driving upgrades to base stations. This effort includes development to modernize the system to integrate common waveforms, integrate broadcast reception for non-CSEL devices. A portable interrogator will precisely locate the IP using the CSEL architecture without extensive audio communications that could compromise both rescue forces and IP. The portable interrogator will enable communication between IP and any designated aircraft not equipped with a AN/ARS-6 PLS Lightweight Airborne Radio System (LARS) or similar device as a Rescue Support Force (F-35, F-16, F-15E, Ground Teams etc.) asset.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver CSEL capabilities. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605826F, 0605827F, 0605828F, 0605829F, 0605830F, 0605831F, 0605832F, 0605898F, and 0605833F. In FY24, \$0.000M was expended for civilian pay expenses in this program element and in FY25 \$0.000M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full rate production.

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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Previous President's Budget	0.000	0.000	2.265	0.000	2.265
Current President's Budget	0.000	0.000	2.269	0.000	2.269
Total Adjustments	0.000	0.000	0.004	0.000	0.004
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	0.004	0.000	0.004

<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<b>Title:</b> CSEL Portable Interrogator	0.000	0.000	2.269
<b>Description:</b> Develop portable interrogator that enables Terminal Area Communication directly between Aircraft and Isolated Personnel, independent of and without modification to Aircraft.			
<b>FY 2024 Plans:</b> N/A			
<b>FY 2025 Plans:</b> The FY2025 efforts will support CSEL Portable Interrogator and will be part of the USAF CSEL Command and Control System program. This modification effort is supported by CSE Lead Command ACC/A5R Personnel Recovery Division with potential support to other DoD customers.			
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> FY2025 funding increase due to Portable Interrogator new start efforts.			
<b>Accomplishments/Planned Programs Subtotals</b>	0.000	0.000	2.269

<b>D. Other Program Funding Summary (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• RDTE 05 0207279F: <i>Isolated Personnel Survivability and Recovery</i>	9.591	56.225	10.000	-	10.000	30.252	0.000	25.540	26.044	0.000	157.652

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**D. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u> <u>Base</u>	<u>FY 2025</u> <u>OCO</u>	<u>FY 2025</u> <u>Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
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**Remarks**

**E. Acquisition Strategy**

Program management for CSEL is under the direction of PEO Digital, located at Hanscom AFB, MA. The Aerospace Dominance Enabler Division (AFLCMC/HBZ; Hill AFB, UT) provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support. The Air Force Life Cycle Management Center, provides Other Transaction Authority.



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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2025 Air Force		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 3600 / 5	<b>R-1 Program Element (Number/Name)</b> PE 1203176F / <i>Combat Survivor Evader Locator</i>	<b>Project (Number/Name)</b> 654522 / <i>CSAR EMD</i>

FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

<b>CSEL Portable Interrogator</b>	
Product Development	██

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 Air Force		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 3600 / 5	<b>R-1 Program Element (Number/Name)</b> PE 1203176F / <i>Combat Survivor Evader Locator</i>	<b>Project (Number/Name)</b> 654522 / <i>CSAR EMD</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>CSEL Portable Interregator</i></b>				
Product Development	1	2025	4	2026