Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy											Date: March 2024	
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy* / BA 7: *Operational Systems Development*					R-1 Program Element (Number/Name) PE 0305232M / *RQ-11 UAV*							
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	7.547	1.222	2.107	2.016	-	2.016	1.815	1.832	1.869	1.908	Continuing	Continuing
2292: *Unmanned Air Systems (Intel)*	7.547	1.222	2.107	2.016	-	2.016	1.815	1.832	1.869	1.908	Continuing	Continuing

A. Mission Description and Budget Item Justification

Family of Small Unmanned Aircraft Systems (FoSUAS) (formerly Small Unit Remote Scouting System (SURSS) is a Commandant of the Marine Corps Force Design 2030 initiative. FoSUAS consists of Short Range/Short Endurance (SR/SE), Medium Range/Medium Endurance (MR/ME) and Long Range/Long Endurance (LR/LE) systems. The FoSUAS program provides Small Unmanned Aircraft Systems (SUAS) for battalion/company/detachment level units with scalable airborne Reconnaissance, Surveillance, and Target Acquisition (RSTA) capabilities to aid in detecting, identifying, engaging, and/or avoiding enemy units. Although Force Design 2030 prioritizes LR/LE capabilities, the requirements for SR/SE and MR/ME systems remain to minimize operational risk and improve operational flexibility in asset allocation that maximizes economy of force across the conflict continuum. FoSUAS meets the validated operational requirements delineated in the Operational Requirements Document (ORD), Vertical Take Off and Landing (VTOL) Rapid Acquisition Top Level Requirements (TLR), and Long Range/Long Endurance (LR/LE) TLR.

SR/SE is a SUAS with a 5-10 kilometer range and endurance up to 50 minutes. SR/SE systems address the need for situational awareness in urban and challenging terrain environments and reduce request-to- response timeframes for RSTA coverage.

MR/ME is a SUAS with a 10-20 kilometer range and endurance up to 4 hours. MR/ME provides an organic, persistent RSTA capability to company level units, Route Clearance Platoons (RCP), and Combat Logistics Patrols (CLP) to enhance force protection, detect Improvised Explosive Devices (IEDs), provide laser targeting/ marking/range finding, and communication relay.

LR/LE is a SUAS with a 20-50 kilometer range and endurance up to 6 hours. LR/LE provides organic capabilities to battalion level units to satisfy Ground Combat Element RSTA needs. LR/LE SUAS are currently deployed to conduct multi-sensor RTSA operations for Marine Forces Special Operations Command and support Marine Corps fires and maneuver elements.

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy					Date: March 2024
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy* / BA 7: *Operational Systems Development*		R-1 Program Element (Number/Name) PE 0305232M / *RQ-11 UAV*			
B. Program Change Summary ($ in Millions)	**FY 2023**	**FY 2024**	**FY 2025 Base**	**FY 2025 OCO**	**FY 2025 Total**
Previous President's Budget	1.234	2.107	2.016	-	2.016
Current President's Budget	1.222	2.107	2.016	-	2.016
Total Adjustments	-0.012	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.012	0.000			
• SBIR/STTR Transfer	-	-			
• Rate/Misc Adjustments	0.000	0.000	0.000	-	0.000

Change Summary Explanation

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305232M / *RQ-11 UAV*	Project (Number/Name) 2292 / *Unmanned Air Systems (Intel)*	

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
2292: *Unmanned Air Systems (Intel)*	7.547	1.222	2.107	2.016	-	2.016	1.815	1.832	1.869	1.908	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

In support of the Commandant of the Marine Corps (CMC) Planning Guidance and Force Design 2030, the Family of Small Unmanned Aircraft Systems (FoSUAS) program provides small unmanned aircraft systems (SUAS) for battalion/company/detachment level units with scalable airborne RSTA capabilities to aid in detecting, identifying, engaging, and/or avoiding enemy units. FoSUAS meet validated operational requirements delineated in the Operational Requirements Document (ORD), Vertical Take Off and Landing (VTOL) Rapid Acquisition Top Level Requirements (TLR), and Long Range/Long Endurance (LR/LE) TLR.

SUAS Reusable Architecture (SRA) capability will reduce the size, weight, and manpower required to operate a SUAS, increases the mobility of the operator, and improves digital interoperability. The SRA project, a technology improvement effort, will increase interoperability, protect cyber security, and reduce cyber security risk, decrease maintenance and sustainment costs, minimize risk and cost associated with technology insertion and improvement, and reduce manpower required to operate a FoSUAS. FoSUAS is developing SRA to establish reference implementations and industry guidance for all key SUAS interfaces, drastically improving interoperability by permitting industry, government, and academia to design-to-field hardware and software capabilities with well-defined integration and cybersecurity requirements up front. In addition to accelerating payload integration, SRA will allow portability of both software and hardware-based functionality across disparate platforms and control segments, as well as enable rapid integration of both open and closed-source artificial intelligence/machine learning (AI/ML) tools to inject autonomy and target recognition capabilities into FoSUAS. This effort will reduce duplicative engineering, training, integration, and sustainment efforts associated with closed, proprietary systems. SRA also seeks to authorize all SRA-compliant systems under a single service accreditation in order to define, address, and mitigate security vulnerabilities at the enterprise-level in current and future platforms.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Product Development	0.624	1.400	0.683	0.000	0.683
Articles:	-	-	-	-	-
FY 2024 Plans: - Continue design of engineering solutions for mandatory SUAS cyber security assessments. - Continue to design engineering solutions to for all new SUAS systems/components. - Perform analysis on system interoperability and modularity . - Integration efforts for SRA Project.					
FY 2025 Base Plans: - Continue design of engineering solutions for mandatory SUAS cyber security assessments for all SUAS systems/components.					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305232M / *RQ-11 UAV*	**Project (Number/Name)** 2292 / *Unmanned Air Systems (Intel)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
- Perform analysis on system interoperability and modularity. - Continue to design engineering solutions to for all new SUAS systems/components. - Continue Integration efforts for SRA. - Design engineering solution for dropped payloads solutions for current and future systems. - Investigate plausibility of Swarming Technology for SUAS. ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2024 to FY 2025 decrease of $0.717M is due to transitioning from the development and integration of SRA to the implementation.					
Title: Support ***Articles:***	0.000 -	0.507 -	0.918 -	0.000 -	0.918 -
FY 2024 Plans: - Contract follow on phase of SRA efforts to meet the updated requirements of FD2030 objectives. - Research in relevant technical areas where SRA refinement and modernization is required. ***FY 2025 Base Plans:*** While in transition to impending SRA implementation, the program will continue to: - Research in relevant technical areas where SRA refinement and modernization is required. - Conduct engineering analysis of commercial systems. - Conduct market research to inform future technology demonstrations. - Complete initial (on new components) and mandatory recurring engineering assessments including, but not be limited to, cyber security, air worthiness, flight clearances, authority to operate, and battery certification of FoSUAS. ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2024 to FY 2025 increase of $0.411M is required to support increased efforts associated with market research, technological demonstrations, SRA implementation and cyber security, airworthiness, and battery certifications.					
Title: Test and Evaluation	0.598	0.200	0.415	0.000	0.415

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305232M / *RQ-11 UAV*	**Project (Number/Name)** 2292 / *Unmanned Air Systems (Intel)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Articles:	-	-	-	-	-
FY 2024 Plans: - Continue operational assessment of SRA for FoSUAS platforms. - Continue assessment of low cost, commercial available UAS to inform future procurements, and determine potential adversary capabilities.					
FY 2025 Base Plans: - Continued integration, operational assessment, and implementation of SRA for FoSUAS platforms. - Continue market research and assessment of low cost, commercially available UAS to inform future procurements via field user evaluations and lab analysis/testing. - Perform NDAA sections 817 (FY2023) and 848 (FY2020) Compliance testing on systems. - Assessment of UAS, software applications, payload/sensor capabilities, and other UAS ancillary components. - Research into integration of a Cross Domain Solution (CDS).					
FY 2025 OCO Plans: N/A					
FY 2024 to FY 2025 Increase/Decrease Statement: FY 2024 to FY 2025 increase of $0.215M is due to increased validation efforts for Interim Flight Clearances (IFC), Authority To Operate (ATO) and Cyber Testing of system configuration modifications/upgrades.					
Accomplishments/Planned Programs Subtotals	1.222	2.107	2.016	0.000	2.016

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PMC/4757: *RQ-11 UAV*	42.249	52.273	59.077	-	59.077	57.919	87.282	89.545	92.270	Continuing	Continuing

Remarks

D. Acquisition Strategy

The program office continues to implement acquisition approaches to quickly field new technology and capabilities to meet requirements set forth by USMC in order to meet FD2030 objectives.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305232M / *RQ-11 UAV*	Project (Number/Name) 2292 / *Unmanned Air Systems (Intel)*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SRA Integration	WR	Various : Various	1.235	0.624	May 2023	1.400	Jan 2024	0.683	Dec 2024	-		0.683	Continuing	Continuing	Continuing
Prior Years Cumulative Funding	Various	Various : Various	2.976	0.000		0.000		0.000		-		0.000	0.000	2.976	-
		Subtotal	4.211	0.624		1.400		0.683		-		0.683	Continuing	Continuing	N/A

Remarks

FY 2024 to FY 2025 decrease is due to transitioning from the development and integration of SRA to the implementation.

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Commercial UAS Analysis/ Cyber Security	WR	NAWCAD : Pax River, MD	0.655	0.000		0.253	May 2024	0.528	Nov 2024	-		0.528	Continuing	Continuing	Continuing
Engineering Analysis	WR	NAWCAD : Pax River, MD	1.354	0.000		0.254	Nov 2023	0.390	Jan 2025	-		0.390	Continuing	Continuing	Continuing
		Subtotal	2.009	0.000		0.507		0.918		-		0.918	Continuing	Continuing	N/A

Remarks

FY 2024 to FY 2025 increase is due to increased efforts associated with market research, technological demonstrations, SRA implementation and cyber security, airworthiness, and battery certifications.

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (DT&E)	WR	Various : Various	0.779	0.598	May 2023	0.200	Jan 2024	0.415	Jan 2025	-		0.415	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	Various	Various : Various	0.548	0.000		0.000		0.000		-		0.000	0.000	0.548	-
		Subtotal	1.327	0.598		0.200		0.415		-		0.415	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305232M / *RQ-11 UAV*	Project (Number/Name) 2292 / *Unmanned Air Systems (Intel)*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract

Remarks

FY 2024 to FY 2025 increase is due to increased validation efforts for Interim Flight Clearances (IFC), Authority To Operate (ATO) and Cyber Testing of system configuration modifications/upgrades.

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	7.547	1.222		2.107		2.016		-		2.016	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305232M / *RQ-11 UAV*	**Project (Number/Name)** 2292 / *Unmanned Air Systems (Intel)*

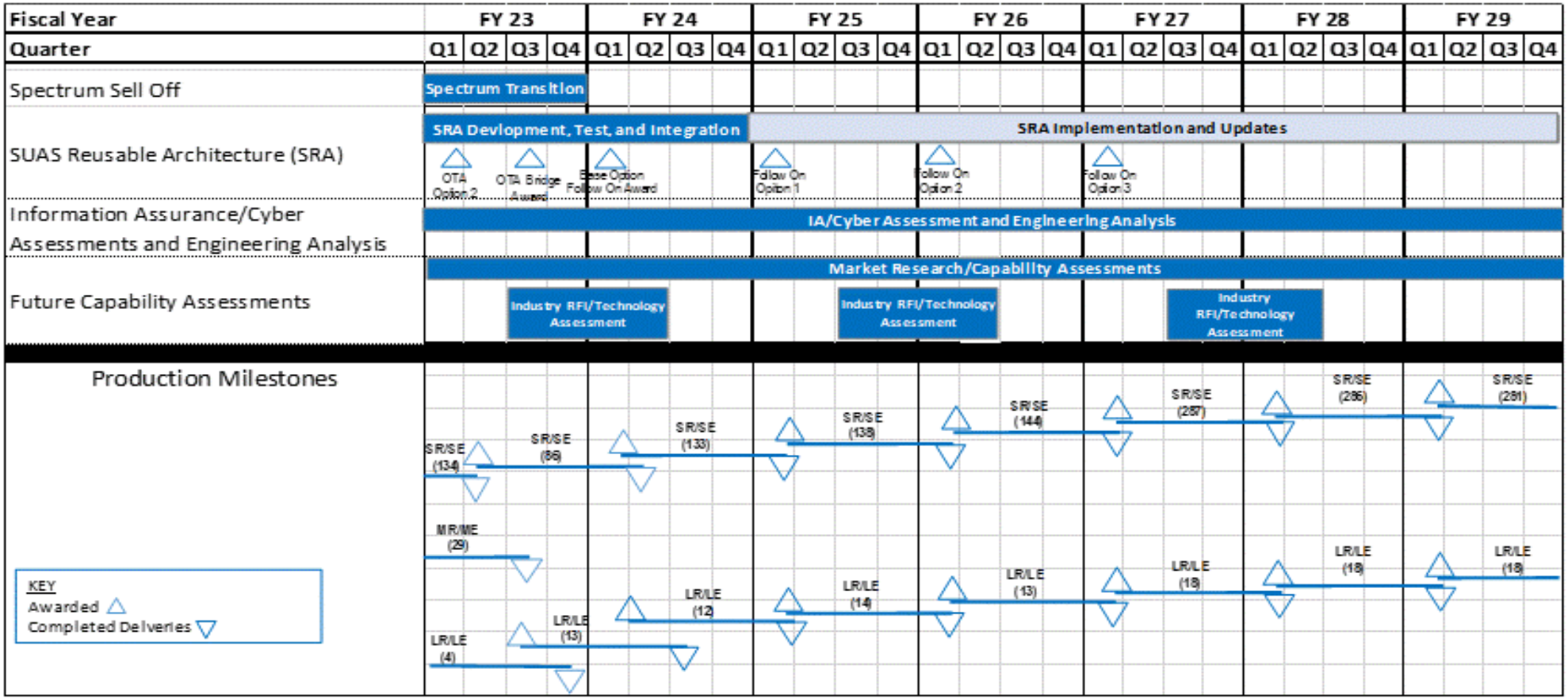

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305232M / *RQ-11 UAV*	**Project (Number/Name)** 2292 / *Unmanned Air Systems (Intel)*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 2292				
SUAS Reusable Architecture (SRA): SRA Development, Test, and Integration	1	2023	4	2024
SUAS Reusable Architecture (SRA): SRA Implementation and Updates	1	2025	4	2029
SUAS Reusable Architecture (SRA): OTA Option 2	1	2023	1	2023
SUAS Reusable Architecture (SRA): OTA Bridge Award	3	2023	3	2023
SUAS Reusable Architecture (SRA): Base Year Follow-On Award	1	2024	1	2024
SUAS Reusable Architecture (SRA): Follow-On Option 1 Award	1	2025	1	2025
SUAS Reusable Architecture (SRA): Follow-On Option 2 Award	1	2026	1	2026
SUAS Reusable Architecture (SRA): Follow-On Option 3 Award	1	2027	1	2027
Future Capability Assessments/Cyber Assessments: Cyber Assessment	1	2023	4	2029
Future Capability Assessments/Cyber Assessments: Market Research/Capability Assessments	1	2023	4	2029
Future Capability Assessments/Cyber Assessments: FY23 Industry RFI/Technology Assessment	3	2023	2	2024
Future Capability Assessments/Cyber Assessments: FY25 Industry RFI/Technology Assessment	3	2025	2	2026
Future Capability Assessments/Cyber Assessments: FY27 Industry RFI/Technology Assessment	3	2027	2	2028
Production Milestones: Contract Award: FY23 SR/SE	2	2023	2	2023
Production Milestones: Contract Award: FY23 LR/LE	3	2023	3	2023
Production Milestones: Contract Award: FY24 SR/SE	1	2024	1	2024
Production Milestones: Contract Award: FY24 LR/LE	1	2024	1	2024
Production Milestones: Contract Award: FY25 SR/SE	1	2025	1	2025
Production Milestones: Contract Award: FY25 LR/LE	1	2025	1	2025

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305232M / *RQ-11 UAV*	**Project (Number/Name)** 2292 / *Unmanned Air Systems (Intel)*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Production Milestones: Contract Award: FY26 SR/SE	1	2026	1	2026
Production Milestones: Contract Award: FY26 LR/LE	1	2026	1	2026
Production Milestones: Contract Award: FY27 SR/SE	1	2027	1	2027
Production Milestones: Contract Award: FY27 LR/LE	1	2027	1	2027
Production Milestones: Contract Award: FY28 SR/SE	1	2028	1	2028
Production Milestones: Contract Award: FY28 LR/LE	1	2028	1	2028
Production Milestones: Contract Award: FY29 SR/SE	1	2029	1	2029
Production Milestones: Contract Award: FY29 LR/LE	1	2029	1	2029