Exhibit R-2, RDT&E Budget Item Justification: PB 2020 United States Special Operations Command	Date: March 2019
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*

COST ($ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	20.081	33.576	44.970	37.377	5.000	42.377	39.154	36.252	38.152	40.058	Continuing	Continuing
S855: *Unmanned ISR*	20.081	33.576	44.970	37.377	5.000	42.377	39.154	36.252	38.152	40.058	Continuing	Continuing

A. Mission Description and Budget Item Justification

NOTE: Unmanned Intelligence, Surveillance, and Reconnaissance (ISR) includes the consolidation of Special Applications for Contingencies (SAFC) (previously Program Element (PE) 0304210BB); MQ-1 Unmanned Aerial Vehicle (UAV), (previously PE 0305219BB); MQ-8, (previously PE 0305231BB); RQ-11, UAV (previously PE 1105232BB); and RQ-7 UAV, (previously PE 1105233BB).

This program element is part of the Military Intelligence Program (MIP). Unmanned ISR rapidly develops and deploys special capabilities to perform Intelligence, Surveillance, and Reconnaissance (ISR) for deployed Special Operations Forces (SOF) using non-traditional means. USSOCOM has been designated as the DOD lead for planning, synchronizing, and as directed, executing global operations against terrorist networks and targets. USSOCOM requires the capability to find, fix, and finish time-sensitive high-value fixed and fleeting targets at the unit and team level without placing personnel and units in harm's way. These targets can often only be identified with patient collection of information and require rapid, decisive action during the short periods in which they present themselves. This PE addresses the primary areas of ISR and Targeting capabilities for SOF. This R-1 program element includes $5.000 million of FY2020 enduring Overseas Contingency Operations funding.

B. Program Change Summary ($ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget	34.766	38.970	30.549	0.000	30.549
Current President's Budget	33.576	44.970	37.377	5.000	42.377
Total Adjustments	-1.190	6.000	6.828	5.000	11.828
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-6.190	-			
• Congressional Rescissions	-	-			
• Congressional Adds	5.000	6.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other	-	-	6.828	5.000	11.828

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2018	FY 2019
Project: S855: *Unmanned ISR*		
Congressional Add: *Anti-ice for Group 3 and above UAV's*	5.000	6.000

Exhibit R-2, RDT&E Budget Item Justification: PB 2020 United States Special Operations Command	Date: March 2019
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2018	FY 2019
Congressional Add Subtotals for Project: S855	5.000	6.000
Congressional Add Totals for all Projects	5.000	6.000

Change Summary Explanation

Funding:

FY 2018: Net decrease of -$1.190 million due to congressional add for UAS anti-icing ($5.000 million) and congressional directed program decrease to Special Applications for Contingencies (-$6.190 million).

FY 2019: Increase of $6.000 million due to congressional add for Group 3 and above UAS anti-icing.

FY 2020: Net increase of $11.828 million for SOF-Peculiar unmanned ISR payloads ($6.828M) and overseas contingency operations funding for development of various advanced payloads to support ISR payload requirements in support of SOF missions to include counterterrorism execution order missions ($5.000M).

Schedule: None.

Technical: None.

Exhibit R-2A, RDT&E Project Justification: PB 2020 United States Special Operations Command			Date: March 2019
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160434BB / *Unmanned ISR*	Project (Number/Name) S855 / *Unmanned ISR*	

COST ($ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
S855: *Unmanned ISR*	20.081	33.576	44.970	37.377	5.000	42.377	39.154	36.252	38.152	40.058	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project is part of the Military Intelligence Program (MIP). It rapidly develops and deploys special capabilities to perform intelligence, surveillance, and reconnaissance (ISR) for deployed Special Operations Forces (SOF) using non-traditional means.

Group 1, 2, 3 and 4, Unmanned Aerial Systems (UAS) developmental efforts are to identify, develop, integrate, and test SOF-unique mission kits, mission payloads, air vehicle enhancements, and modifications to ground control stations. Based on stakeholder input and requirements, Special Applications for Contingencies (SAFC) develops and integrates UAS payloads to advance ISR capabilities that address dynamic and emergent operational needs of the SOF user. Efforts include improving imagery intelligence and electronic warfare payloads, capitalizing on developing technologies to reduce size, weight and power while addressing processing and data management challenges. This program also provides a mechanism for SOF user combat evaluation of emerging sensor technologies.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Title: SAFC	23.309	20.679	22.276	-	22.276
Description: Provides for efforts to develop and integrate Unmanned Aerial Systems (UAS) payloads and technologies, leveraging DOD middle tier acquisition (MTA) strategy and other rapid prototyping capacity, to rapidly develop and field ISR capabilities to address dynamic and emergent operational needs and vulnerabilities of the SOF user. Efforts include improving imagery intelligence and electronic warfare payloads, capitalizing on developing technologies to reduce size, weight and power while addressing processing and data management challenges. It also provides a mechanism for SOF user combat evaluation of emerging sensor technologies. SAFC applies focused Research & Development (R&D) for relatively low cost solutions to provide short lead-time contingency planning requirements where focused R&D will allow for test and evaluation of leading edge solutions to emergent problem sets.					
FY 2019 Plans: Continue development and combat evaluation of selected sensor delivery platforms and mounted or deliverable ISR capabilities for global contingencies including short-notice requirements. Continue evaluation of unique sensor technologies, persistent stare and quick reaction systems.					
FY 2020 Base Plans:					

Exhibit R-2A, RDT&E Project Justification: PB 2020 United States Special Operations Command		Date: March 2019
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*	**Project (Number/Name)** S855 / *Unmanned ISR*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Continues development and combat evaluation of selected sensor delivery platforms and mounted or deliverable ISR capabilities for global contingencies including short-notice requirements. Continues evaluation of unique sensor technologies, persistent stare and quick reaction systems. ***FY 2019 to FY 2020 Increase/Decrease Statement:*** Increase of $1.597 million is for additional payload development and platform enhancements.					
Title: Group 1 UAS ***Description:*** Group 1 UAS are small tactical systems, less than 20 pounds in weight. Provides for rapid development and prototyping efforts to identify, develop, integrate, and test SOF-unique mission kits. Leverages SAFC and conduct MTA strategies to rapidly develop and field capabilities. ***FY 2019 Plans:*** Continue integration and testing of SOF-unique mission kits, mission payloads, and modifications to the small tactical UAS and ground control station, to include but not limited to: improved capabilities for geo-location, collection of push-to-talk, communications, specialized tagging, tracking, and locating, and enhanced communications relay and work to miniaturize previously developed payloads. ***FY 2019 to FY 2020 Increase/Decrease Statement:*** In FY20, all funding has been consolidated under the EOTACS program.	0.355	0.329	-	-	-
Title: Expeditionary Organic Tactical Airborne ISR Capability Set (EOTACS) ***Description:*** EOTACS systems are less than 55 pounds in weight and include fixed wing, Vertical Takeoff and Landing, and tethered platforms. Provides for rapid development and prototyping efforts to identify, develop, integrate, and test SOF-unique mission kits. Leverages SAFC to rapidly develop and field capabilities. ***FY 2020 Base Plans:*** Group 1 UAS funding is incorporated into the EOTACS program starting in FY20. Continues integration and testing of SOF-unique mission kits, mission payloads, and modifications to the small tactical UAS and ground control station, to include but not limited to: improved capabilities for geo-location, collection of push-to-talk, communications, specialized tagging, tracking, and locating, and enhanced communications relay and work to miniaturize previously developed payloads. ***FY 2019 to FY 2020 Increase/Decrease Statement:*** In FY20, all Group 1 UAS funding has been consolidated under the EOTACS program.	-	-	0.279	-	0.279
Title: Group 2 MTUAS	4.912	6.262	7.854	-	7.854

Exhibit R-2A, RDT&E Project Justification: PB 2020 United States Special Operations Command		Date: March 2019
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*	**Project (Number/Name)** S855 / *Unmanned ISR*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Description: Group 2 MTUAS are medium tactical systems, between 21 pounds and 55 pounds in weight. Provides for development efforts utilizing a MTA strategy to rapidly identify, develop, integrate, and test SOF-unique mission kits. ***FY 2019 Plans:*** Continue integration and testing of SOF-unique mission capabilities for the medium tactical UAS, to include but not limited to: signals intelligence gathering, full motion video, and geo-location. ***FY 2020 Base Plans:*** Continues integration and testing of SOF-unique mission capabilities to meet new medium tactical UAS requirements, to include but not limited to: signals intelligence gathering, full motion video, geo-location, and decreased footprint. ***FY 2019 to FY 2020 Increase/Decrease Statement:*** Increase of $1.592 million is for additional integration and testing of SOF-unique mission capabilities to meet new medium tactical UAS requirements.					
Title: Group 3 UAS ***Description:*** Group 3 UAS are systems, between 55 pounds and 1320 pounds in weight. Provides for development efforts to identify, develop, integrate, and test SOF-unique mission kits. ***FY 2019 Plans:*** Develop various advanced payloads to support ISR payload requirements in support of SOF missions to include counterterrorism execution order missions. Current Service payloads are insufficient for precision application of SOF mission sets. (OCO Funding) ***FY 2020 Base Plans:*** N/A ***FY 2020 OCO Plans:*** Develops various advanced payloads to support ISR payload requirements in support of SOF missions to include counterterrorism execution order missions. Current Service payloads are insufficient for precision application of SOF mission sets. ***FY 2019 to FY 2020 Increase/Decrease Statement:***	-	5.000	0.000	5.000	5.000

Exhibit R-2A, RDT&E Project Justification: PB 2020 United States Special Operations Command		Date: March 2019
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*	**Project (Number/Name)** S855 / *Unmanned ISR*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
None.					
Title: Group 4 UAS ***Description:*** Group 4 UAS are large systems that weigh greater than 1,320 pounds and fly higher than flight level 180. Provides for development efforts to identify, develop, integrate, and test SOF-unique mission kits. ***FY 2019 Plans:*** Develop and integrate Beyond Line of Sight (BLOS) wiring harnesses required to operate SOF-unique sensors, VORTEX encrypted data link capability, and Persistent Close Air Support (PCAS) collaborative engagement management capabilities on the SOF Gray Eagle Extended Range UAS. (OCO Funding) ***FY 2020 Base Plans:*** Develops, tests, and integrates SOF peculiar emerging technology mission kits, mission payloads, weapons, and modification on MQ-1C UAVs, Ground Control Stations (GCS) and training systems. ***FY 2019 to FY 2020 Increase/Decrease Statement:*** Increase of $0.268 million is for Grey Eagle Extended Range SOF Peculiar integration.	-	6.700	6.968	-	6.968
Accomplishments/Planned Programs Subtotals	28.576	38.970	37.377	5.000	42.377

	FY 2018	FY 2019
Congressional Add: Anti-ice for Group 3 and above UAV's	5.000	6.000
FY 2018 Accomplishments: Developed anti-ice solutions for Group 3 and above UAV's		
FY 2019 Plans: Continue development of anti-ice solutions for Group 3 and above UAV's.		
Congressional Adds Subtotals	5.000	6.000

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
• PROC/0201UMNISR: *Unmanned ISR*	69.923	74.708	15.208	8.207	23.415	31.230	23.407	24.335	27.819	Continuing	Continuing

Remarks

Exhibit R-2A, RDT&E Project Justification: PB 2020 United States Special Operations Command		Date: March 2019
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*	**Project (Number/Name)** S855 / *Unmanned ISR*

D. Acquisition Strategy

SAFC acquisition strategy is evolutionary and spiral-based for technology insertion and low volume procurement. Leverages a Middle Tier Acquisition strategy to provide rapid development and fielding of dynamic and emergent operational needs. SAFC utilizes existing competed contract vehicles to the maximum extent possible for minor development and integration and modification of Government-Off-The-Shelf/Commercial-Off-The-Shelf equipment. It utilizes limited/full and open competition contracts for major developments.

The Group 1 UAS/EOTACS are evolutionary acquisition programs that deliver, integrate, and qualify SOF-unique mission kits, mission payloads, weapons, air vehicle enhancements, and ground control station upgrades. These capabilities are obtained through a thorough stakeholder's analysis in order to provide well and broadly defined capabilities. A well-defined stakeholder requirement facilitates rapid development and integration of capabilities, thus more rapidly providing capability to the field. Contracting methods depend on the type of development effort. Competitive source selection will be conducted as much as possible. Proprietary considerations may direct some effort to the Original Equipment Manufacturer (OEM).

Group 2 MTUAS are evolutionary acquisition programs that deliver, integrate, and qualify SOF-unique mission kits, mission payloads, weapons, air vehicle enhancements, training systems, and ground control station upgrades. These capabilities are obtained through a middle tier acquisition strategy that includes a thorough stakeholder's analysis to provide well and broadly defined capabilities. A well-defined stakeholder requirement facilitates rapid development and integration of capabilities, thus more rapidly providing capability to the field. Contracting methods depend on the type of development effort. Competitive source selection will be conducted as much as possible. Proprietary considerations may direct some effort to the OEM.

Group 3 UAS are evolutionary acquisition programs that deliver, integrate, and qualify SOF-unique mission kits, mission payloads, weapons, air vehicle enhancements, and ground control station upgrades. These capabilities are obtained through a thorough stakeholder's analysis in order to provide well and broadly defined capabilities. A well-defined stakeholder requirement facilitates rapid development and integration of capabilities, thus more rapidly providing capability to the field. Contracting methods depend on the type of development effort. Competitive source selection will be conducted as much as possible. Proprietary considerations may direct some effort to the OEM.

Group 4 UAS is an evolutionary acquisition program that develops, tests, and integrates SOF peculiar emerging technology mission kits, mission payloads, weapons, and modifications on MQ-1C UAVs, GCS, and training systems. Group 4 UAS provides rapid prototype activities and technology maturation events to increase situational awareness and lethality. Contract types include a mix of cost type and fixed price. Proprietary issues with the aircraft and GCS software as well as aircraft modification considerations dictate sole source contracts. Group 4 UAS leverages service common Contractor Logistics Support (CLS) and developmental activities and contracts for aircraft and ancillary equipment development, improvement, and sustainment.

E. Performance Metrics

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 United States Special Operations Command			Date: March 2019
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160434BB / *Unmanned ISR*	Project (Number/Name) S855 / *Unmanned ISR*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2018 Cost	FY 2018 Award Date	FY 2019 Cost	FY 2019 Award Date	FY 2020 Base Cost	FY 2020 Base Award Date	FY 2020 OCO Cost	FY 2020 OCO Award Date	FY 2020 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Special Applications for Contingencies (SAFC) Platform/Payload Development and Integration	MIPR	Smartronix Inc. : Hollywood, MD	-	2.603	Dec 2017	-		-		-		-	0.000	2.603	-
SAFC Platform/Payload Development and Integration	MIPR	Johns Hopkins University : Baltimore, MD	-	1.551	Dec 2017	0.500	Dec 2018	0.500	Dec 2019	-		0.500	Continuing	Continuing	-
SAFC Platform/Payload Development and Integration	MIPR	Cambridge International : Cambridge, MD	-	1.076	May 2018	10.641	May 2019	11.500	Nov 2019	-		11.500	Continuing	Continuing	-
SAFC Platform/Payload Development and Integration	MIPR	NEANY Atlantic Dive Supply : Virginia Beach, VA	-	0.708	Mar 2018	-		-		-		-	0.000	0.708	-
SAFC Heat Coat UAS Anti-Icing	MIPR	Cambridge International : Cambridge, MD	-	4.852	Jun 2018	5.822	Nov 2018	-		-		-	0.000	10.674	-
Classified Program	MIPR	Classified : Classified	2.382	3.000	Nov 2017	-		-		-		-	Continuing	Continuing	-
Group 1 Unmanned Aerial System (UAS)/ Expeditionary Organic Tactical Airborne ISR Capability Set (EOTACS) Payload Integration	C/IDIQ	Various : Various	0.124	0.355	Mar 2018	0.329	Mar 2019	0.279	Mar 2020	-		0.279	Continuing	Continuing	-
Group 2 UAS Platform/ Payloads Development and Integration	MIPR	Various : Various	1.627	4.126	Nov 2018	5.100	Jan 2019	6.020	Mar 2020	-		6.020	Continuing	Continuing	-
Group 3 UAS Platform/ Payload Development and Integration (OCO)	C/TBD	Various : Various	-	-		5.000	Mar 2019	0.000		5.000	Mar 2020	5.000	Continuing	Continuing	-
Group 4 UAS Platform/ Payloads Development and Integration	C/TBD	Various : Various	5.600	-		6.432	Mar 2019	6.681	Mar 2020	-		6.681	Continuing	Continuing	-
Prior Year Effort	Various	Various : Various	4.122	-		-		-		-		-	0.000	4.122	-
		Subtotal	13.855	18.271		33.824		24.980		5.000		29.980	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 United States Special Operations Command			Date: March 2019
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160434BB / *Unmanned ISR*	Project (Number/Name) S855 / *Unmanned ISR*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2018 Cost	FY 2018 Award Date	FY 2019 Cost	FY 2019 Award Date	FY 2020 Base Cost	FY 2020 Base Award Date	FY 2020 OCO Cost	FY 2020 OCO Award Date	FY 2020 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SAFC Platform/Payload Integration	MIPR	Various : Various	0.600	0.682	Jan 2018	0.527	Jan 2019	0.600	Jan 2020	-		0.600	Continuing	Continuing	-
Group 2 UAS Platform/ Payload Support	MIPR	Various : Various	0.617	0.201	Feb 2018	0.100	Feb 2019	0.050	Jan 2020	-		0.050	Continuing	Continuing	-
		Subtotal	1.217	0.883		0.627		0.650		-		0.650	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2018 Cost	FY 2018 Award Date	FY 2019 Cost	FY 2019 Award Date	FY 2020 Base Cost	FY 2020 Base Award Date	FY 2020 OCO Cost	FY 2020 OCO Award Date	FY 2020 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SAFC Sensor Testing, Evaluation and Demonstration	MIPR	Smartronix Inc. : Hollywood, MD	-	2.426	Mar 2018	-		-		-		-	0.000	2.426	-
SAFC Sensor Testing, Evaluation and Demonstration	MIPR	Johns Hopkins University : Baltimore, MD	-	3.723	Dec 2017	0.205	Dec 2018	0.230	Dec 2019	-		0.230	Continuing	Continuing	-
SAFC Sensor Testing, Evaluation and Demonstration	MIPR	Cambridge International : Cambridge, MD	-	6.139	May 2018	7.223	Nov 2018	7.831	Nov 2019	-		7.831	Continuing	Continuing	-
Group 2 UAS Platform/ Payload Test and Evaluation	MIPR	Various : Various	0.825	0.126	Mar 2018	0.496	Feb 2019	1.004	Mar 2020	-		1.004	Continuing	Continuing	-
Group 4 UAS Test and Evaluation	Various	Various : Various Vendors During Integration	0.120	-		0.268	Mar 2019	0.287	Mar 2020	-		0.287	Continuing	Continuing	-
Prior Year	Various	Various : Various	2.374	-		-		-		-		-	0.000	2.374	-
		Subtotal	3.319	12.414		8.192		9.352		-		9.352	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 United States Special Operations Command			Date: March 2019
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160434BB / *Unmanned ISR*	Project (Number/Name) S855 / *Unmanned ISR*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2018 Cost	FY 2018 Award Date	FY 2019 Cost	FY 2019 Award Date	FY 2020 Base Cost	FY 2020 Base Award Date	FY 2020 OCO Cost	FY 2020 OCO Award Date	FY 2020 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SAFC Sensor Testing, Evaluation and Demonstration Management	MIPR	Various : Various	1.073	1.401	Mar 2018	1.583	Mar 2019	1.615	Mar 2020	-		1.615	Continuing	Continuing	-
SAFC Heat Coat UAS Anti-Icing Contract Administration	MIPR	Cambridge International : Cambridge, MD	-	0.148	Jun 2018	0.178	Nov 2018	-		-		-	0.000	0.326	-
Group 2 UAS Platform/ Payload Management	C/TBD	Various : Various	0.617	0.459	Jan 2018	0.566	Feb 2019	0.780	Mar 2020	-		0.780	Continuing	Continuing	-
		Subtotal	1.690	2.008		2.327		2.395		-		2.395	Continuing	Continuing	N/A

	Prior Years	FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	20.081	33.576		44.970		37.377		5.000		42.377	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2020 United States Special Operations Command		Date: March 2019
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*	**Project (Number/Name)** S855 / *Unmanned ISR*

SAFC Schedule

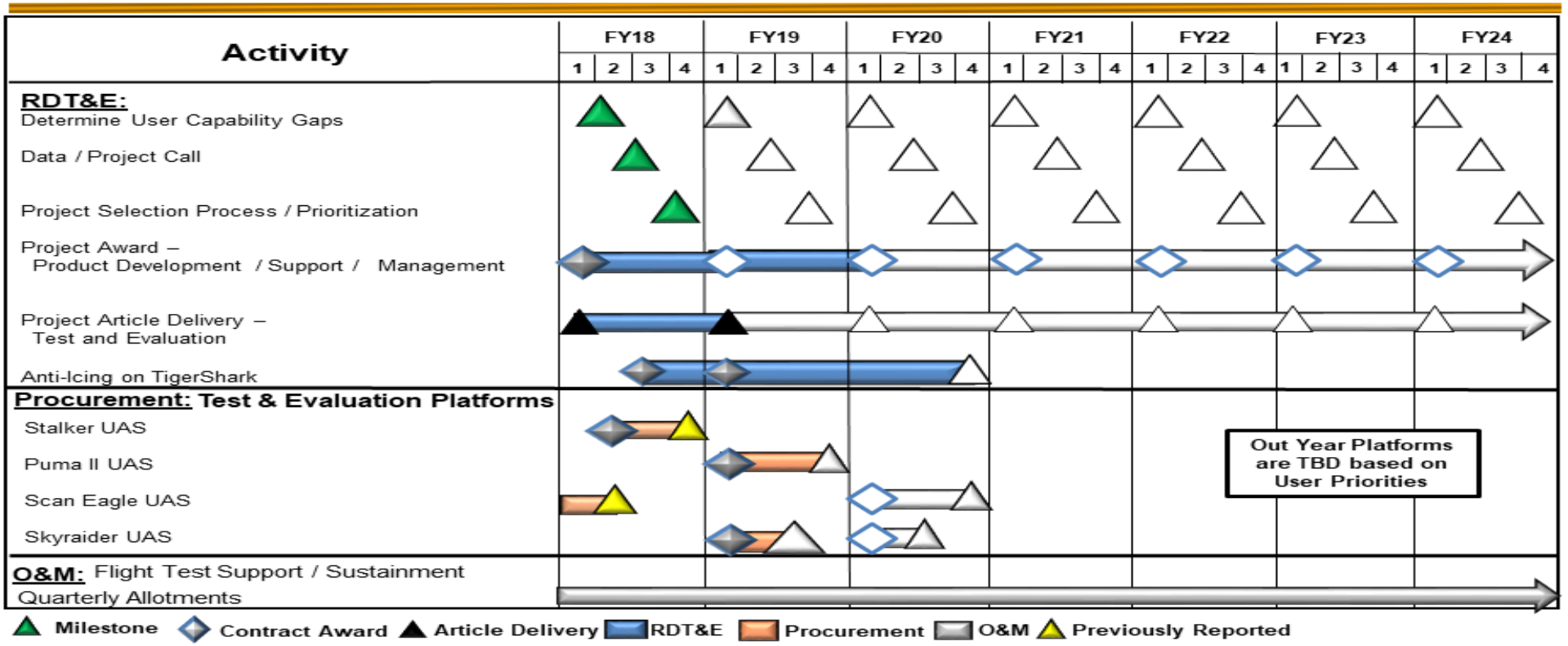

Exhibit R-4, RDT&E Schedule Profile: PB 2020 United States Special Operations Command		Date: March 2019
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*	**Project (Number/Name)** S855 / *Unmanned ISR*

Group 1 UAS/EOTACS Schedule

(Incorporates Group 1 Schedule for FY18-FY19)

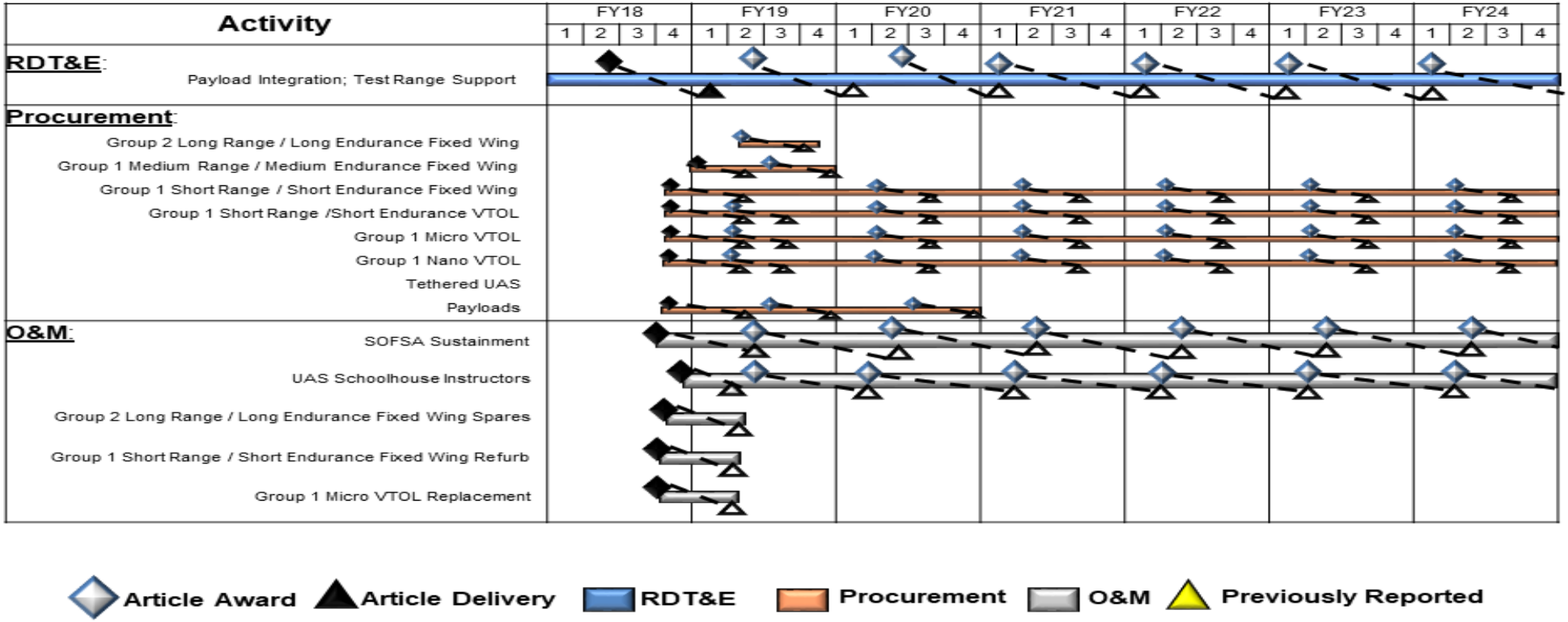

Exhibit R-4, RDT&E Schedule Profile: PB 2020 United States Special Operations Command		Date: March 2019
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*	**Project (Number/Name)** S855 / *Unmanned ISR*

Group 2 (MTUAS) Schedule

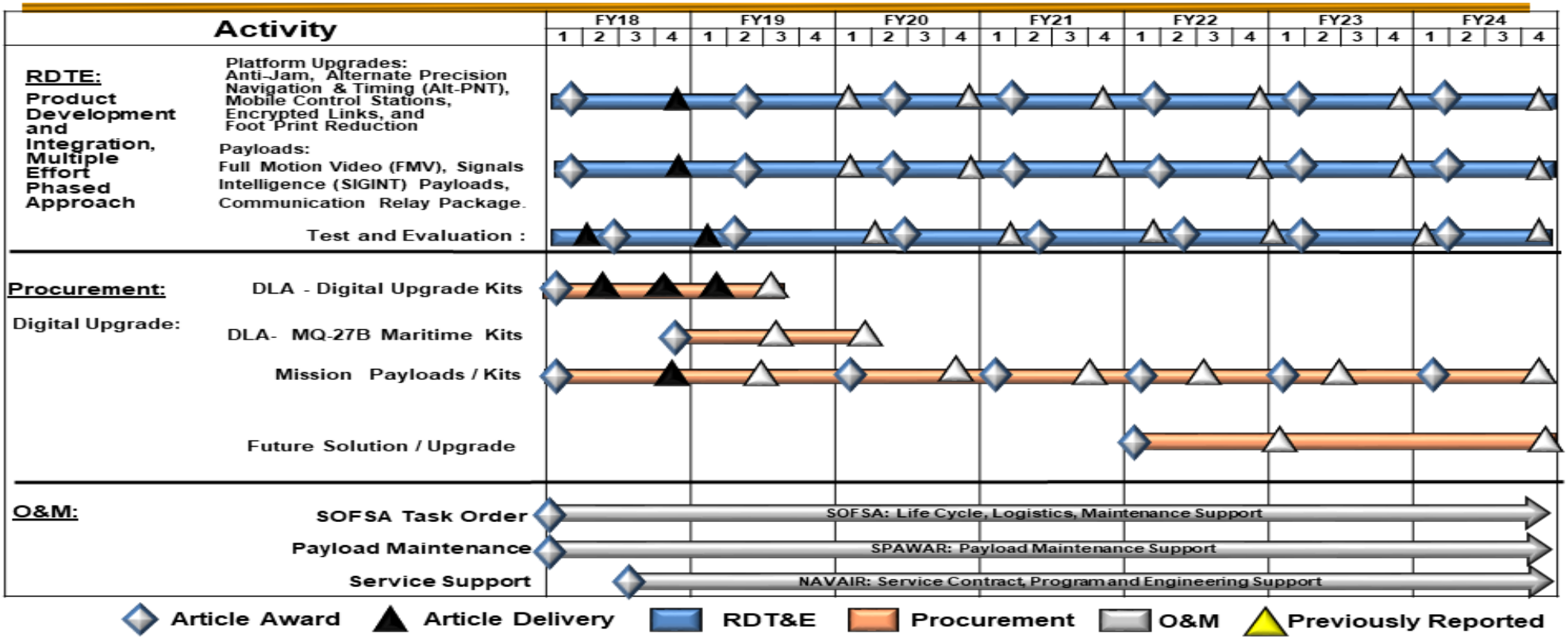

Exhibit R-4, RDT&E Schedule Profile: PB 2020 United States Special Operations Command		Date: March 2019
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*	**Project (Number/Name)** S855 / *Unmanned ISR*

G3UAS Schedule

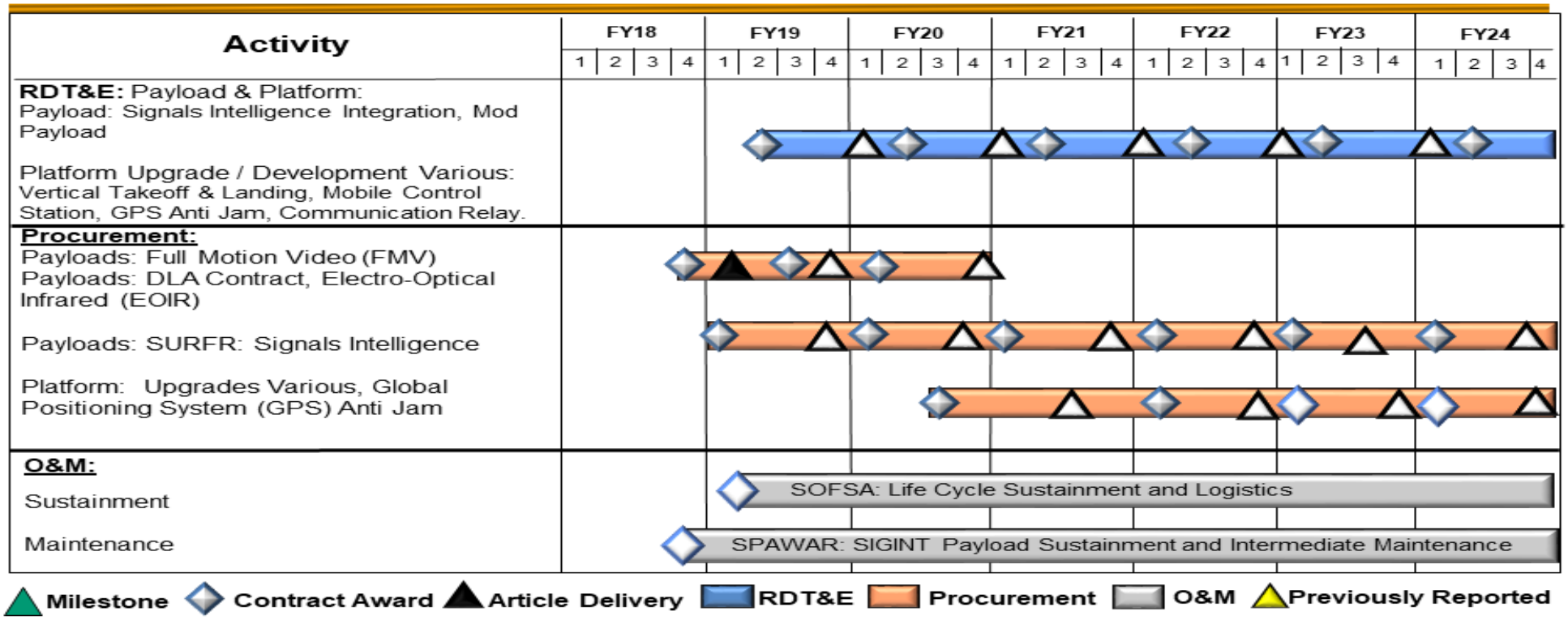

Exhibit R-4, RDT&E Schedule Profile: PB 2020 United States Special Operations Command		Date: March 2019
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*	**Project (Number/Name)** S855 / *Unmanned ISR*

Group IV Unmanned ISR Schedule

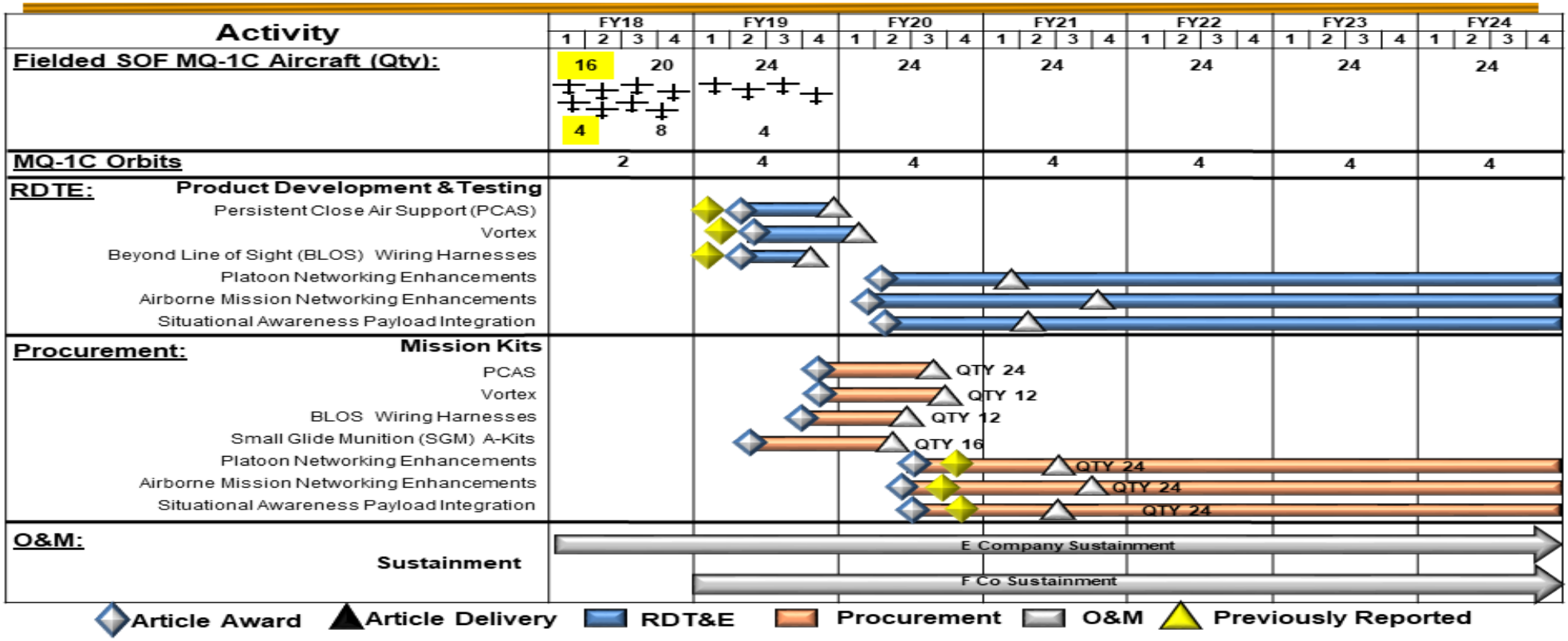

Exhibit R-4A, RDT&E Schedule Details: PB 2020 United States Special Operations Command		Date: March 2019
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*	**Project (Number/Name)** S855 / *Unmanned ISR*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
SAFC				
Product Development, Support, and Management	1	2018	4	2024
Test and Evaluation	1	2018	4	2024
Anti-Icing Development on TigerShark	3	2018	4	2020
Group 1 Unmanned Aerial System (UAS)/Expeditionary Organic Tactical Airborne ISR Capability Set (EOTACS)				
Payload Integration; Test Range Support	1	2018	4	2024
Group 2 UAS				
Platform/Payload Development and Integration	1	2018	4	2024
Platform/Payload Test & Evaluation	1	2018	4	2024
Group 3 UAS				
Platform/Payload Development and Integration	1	2019	4	2024
Group 4 UAS				
Persistent Close Air Support (PCAS) Integration	2	2019	4	2019
Vortex Integration	2	2019	1	2020
Beyond Line of Sight (BLOS) wiring harness integration	2	2019	4	2019
Platoon Networking Enhancements	2	2020	1	2021
Airborne Mission Networking Enhancements	1	2020	4	2021
Situational Awareness Sensor Integration	2	2020	2	2021