



F-16 PEACE DRIVE

Program Management Review #24

13 - 17 Mar 2023

Clearfield, Utah



Controlled by: USAF

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CUI Category: CUI Basic

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POC: Eric Harkness, DSN 775-5344

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F-16 PEACE DRIVE

PMR 24 Kick-Off



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GREETINGS

- ☐ Welcome to PMR 24
- ☐ Lt Col Weems Comments
- ☐ CPD Comments
- ☐ SAPM Comments
- ☐ Many Personnel changes Introductions around the room





Ground Rules

- ☐ **We're on a very tight schedule**
 - ☐ **We need everyone to assist with success of PMR**
- ☐ **Minutes and action items will be processed/reviewed daily**
 - ☐ **Documentation must be completed and turned into the admin team immediately after event (briefing / side meeting).**
 - ☐ **Group review of day's events will happen prior to release at the end of each day**
 - ☐ **Minutes and action items will be given to PAF for internal review overnight**
 - ☐ **Follow-up review will take place at the start of the following day**
 - ☐ **Please ensure that you include names of personnel and topics**
 - ☐ **Detailed action items – remember 5 W's (who, what, where, when and why)**
- ☐ **Please advise of any changes to agenda as early as possible**



VIRTUAL MEETING

- ☐ Please ensure that you are muted when not actively talking
- ☐ Please avoid background noise
- ☐ Please avoid speaking over others
 - ☐ Raise hand in teams, to address the audience
 - ☐ Use text chat to alert members, if you aren't addressed right away
- ☐ Time difference will be a big challenge to overcome
 - ☐ Please be mindful and considerate
 - ☐ Prompt completion of documents helps everyone



SIDE MEETINGS

- ☐ POC is responsible for all meeting documents
 - ☐ Virtual should speed up document transfers (email)
- ☐ Please include list of attendees in your minutes
 - ☐ This helps follow up with appropriate individuals
- ☐ Coordinate/concur with attendees on minutes and action items prior to meeting closure, to minimize follow-on actions
- ☐ Please include names of Point of Contacts (POCs) and office of personnel tasked with Action Items (AI)



SUMMARY

- ☐ Lots of work going on this week
- ☐ Looking forward to working with everyone closely to meet customer needs
- ☐ Request you let SAPM Office know of issues as soon as they develop
- ☐ Teamwork will go a long way to making everyone's job easier
- ☐ Let's all have a productive week and a Great PMR
- ☐ Thanks for your attendance and support



LOR / LOA

- ☐ **Currently have 5 LOR/LOA actions in work**
 - ☐ **QAP signed – awaiting funding**
 - ☐ **SCC in case closure**
 - ☐ **QCX in process to draw-down funding and move money as requested**
 - ☐ **Sustainment II, PK-D-VAA (M6, Structures/LEP)**
 - ☐ **State Department Review**
- ☐ **Detailed status will be provided by AFSAC team**





Program Success

- ☐ Processed 6 amendments since last PMR 23
- ☐ Completed PW 229 Site Survey...waiting for SAF/IA Review
- ☐ Completed overhaul on all 5 Wing Sets Spares for Mod Program
- ☐ IEI Hud Procurement Complete...awaiting training/in-work
- ☐ Completed PK-D-QAP LOA...awaiting funding for implementation
- ☐ TCG In-Country Review
- ☐ LM R&R...42 out of 90 backlog (365+ days) items have been cleared
- ☐ Completed over-the-shoulder training for CSL repair/replacement
- ☐ Reconciled 20 lines and Delivery Reported \$6.9M
- ☐ Processed over 105 assets for repair





F-16 PEACE DRIVE

**MUNITIONS SUSTAINMENT
INTERNATIONAL PROGRAMS
HILL AIR FORCE BASE, UTAH**



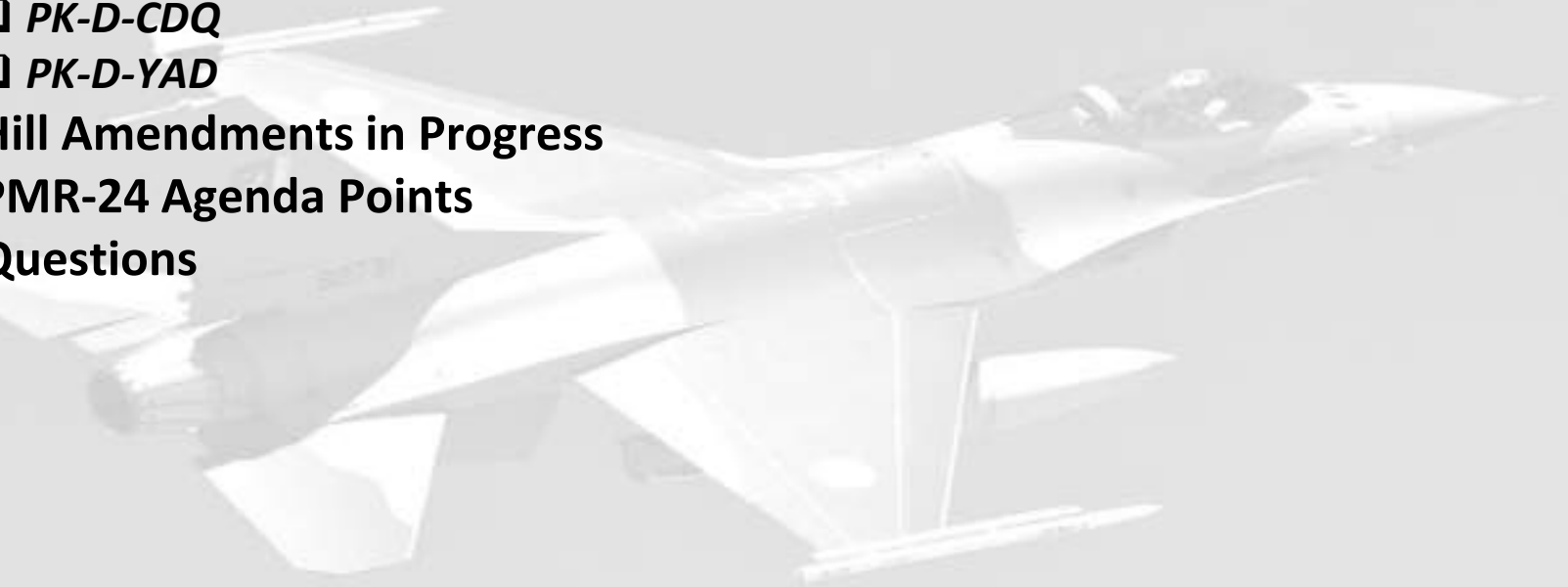
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MUNITIONS OVERVIEW

- ☐ **Current Case Status on Open Lines managed by Hill AFB Munitions**
 - ☐ *PK-D-ACK*
 - ☐ *PK-D-CDP*
 - ☐ *PK-D-CDQ*
 - ☐ *PK-D-YAD*
- ☐ **Hill Amendments in Progress**
- ☐ **PMR-24 Agenda Points**
- ☐ **Questions**





PMR 24 AGENDA POINTS

**PMR 24-036, Procurement of Paveway TTU-595 Test Set & W series cables
TTU-595 B/E NSN 4925-01-644-4032 AND ASSOCIATED CABLES ARE UNDER PROCUREMENT
AS PER FOLLOWING DETAILS:**

S NO	NOUN	NSN	DCN	QTY	ESD
(a)	TTU-595 B/E Test Set	4925-01-644-4032	DPKG5570405000	02	Completed 22175
(b)	TTU-595 B/E Test Set	4925-01-644-4032	DPKG5592895000	02	SHIPPED 14 Feb 2023
(c)	W2 Cable PW II UUT	6150-01-573-6548	DPKG5592895001	04	Delivered 18 Mar 2022
(d)	W3 Cable PW III UUT	6150-01-573-6549	DPKG5502335002	04	Delivered 14 Dec 2021
(e)	W4 Fiber Optics Cable	6020-01-573-6544	DPKG5592895003	04	Delivered 18 Feb 2022
(f)	W5 PW III Adapter Cable	6150-01-574-5700	DPKG5592895004	04	Delivered 8 Feb 2022



PMR 24 AGENDA POINTS

PMR 24-041, Delivery of Munitions

ESDs of Munitions managed at Hill AFB, indicated ESDs in 2022 and 2023. Details are as follows:

DCN	NSN	NOUN	QTY	ESD	Case/Line
DPK28492205003	1370-01-296-8395	Flare , MJU-7A/B	7920	SHIPPED	ACK / A-7
DPK28502245001	1370-01-296-8395	Flare , MJU-7A/B	15120	2023242	ACK / A-8
DPK28492205002	1377-01-640-6470	Cartridge, Imp BBU-36A/B	7920	2024031	ACK / A-7
DPK28502795002	1377-01-640-6470	Cartridge, Imp BBU-36A/B	9720	31 Jan 24	YAD / A-9
DPK28502235003	1377-01-640-6470	Cartridge, Imp BBU-36A/B	14580	31 Jan, 24	ACK / A-8
DPK28502245002	1370-01-037-8414	Chaff, RR-170 A/AL	23400	28 Feb, 24	ACK / A-8
DPK28502795004	1377-01-642-1574	Cartridge, Imp BBU-35A/B	15000	31 Aug, 23	YAD / A-9
DPK28502245000	1377-01-642-1574	Cartridge, Imp BBU-35A/B	23400	30 Jun, 23	ACK / A-8



PMR 24 AGENDA POINTS

PMR 24-042, Delivery of Munitions FY 2020

ESDs of Munitions managed at Hill AFB, indicated ESDs in 2023 and 2026. Details are as follows:

DCN	NSN	NOUN	QTY	ESD	Case/Line
DPK28502795000	1305-01-451-8566	Ammo 20 mm (TP) PGU-27 A/B	25000	Sep, 23	YAD / A-9
DPK28482045004	1305-01-451-8675	Ammo 20 mm (HEI) PGU-28 A/B	40,000	NOA22263	ACK / A-6
DPK28492205001	1305-01-451-8675	Ammo 20 mm (HEI) PGU-28 A/B	38,000	Sep,23	ACK / A-7
DPK28460277611	1377-01-369-2492	Impulse Carts ARD 863-1	5000	NOA22139	CDP
DPK28490465000	1377-01-369-2492	Impulse Carts ARD 863-1	3000	NOA22139	CDP
DPK28561305001	1377-01-482-1555	Impulse Carts ARD 446-1	8000	13 Apr, 26	YAD / A-7



PMR 24 AGENDA POINTS

PMR 24, STATUS OF CDQ CASE

PK-D-CDQ FY23 CAD/PAD requirements have been Received and will be put on order NLT 31 Mar 2023.





STATUS OF OPEN REQUISITIONS

PK-D-ACK

☐ Line 14 – (A6)

☐ 20MM PGU-27 A/B Target Practice Qty: 15,000 ea

☐ DCN: DPK28482045001

☒ shipped

☐ Line 15 – (A6)

☐ 20MM PGU-28 A/B HEI Qty: 40,000 ea

☐ DCN: DPK28482045004

☒ shipped



STATUS OF OPEN REQUISITIONS

PK-D-ACK

- ☐ **Line 16 – (A7)**
- ☐ **20MM PGU-27 A/B Target Practice Qty: 6,750 ea**
 - ☐ **DCN: DPK28492205000**
 - ☐ **Released from stock**
 - ☐ **ESD awaiting next available PPU**
 - ☐ **NOA issued in February 2020**
 - ☐ **Awaiting Hill AFB Transportation to confirm shipment to PAF**
 - ☐ **(2/23/22) – PAF HAS RECEIVED FOLLOWING STORES IN APRIL, 2021.**
(COMMANDER FARHAN ZAFAR)
- ☐ **Line 17 – (A7)**
- ☐ **20MM PGU-28 A/B HEI Qty: 38,000 ea**
 - ☐ **DCN: DPK28492205001**
 - ☐ **PAF would like to wait for USAF procurement in FY 2020 for PAF's order of 38,000 PGU-28 A/B ammo**
 - ☐ **ESD 30 September 2023**



STATUS OF OPEN REQUISITIONS

PK-D-ACK

☐ Line 18 – (A7)

☐ Cartridge, BBU-36 A/B Qty: 7,920 ea

☐ DCN: DPK28492205002

☐ *This material was shipped on 4/15/2022 to the Freight Forwarder for the next PPU.*

☐ Line 19 – (A7)

☐ MJU 7 A/B Flare Qty: 7,920 ea

☐ DCN: DPK28492205003

☐ **NOA sent 1 Dec 22**



STATUS OF OPEN REQUISITIONS

PK-D-ACK

☐ Line 21 – (A8)

☐ 20MM PGU-28A/B (HEI) Qty: 34,000 ea

☐ DCN: DPK28502235020

☐ ESD 30 August 2023

☐ Line 22 – (A8)

☐ CTG, IMP, ARD, 863 Qty: 2,000 ea

☐ DCN: DPK28502235021

☐ ESD 12 June 2023



STATUS OF OPEN REQUISITIONS

PK-D-ACK

- ☐ Line 23 – (A8)
- ☐ CTG, IMP, ARD, 446 Qty: 2,000 ea
 - ☐ DCN: DPK28502235002
 - ☐ ESD 13 April 2026
- ☐ Line 24 – (A8)
- ☐ Cartridge, Imp BBU-36 A/B Qty: 15,120 ea
- ☐ DCN: DPK28502235003
 - ☐ Qty reduced to 14580 due to price increases
 - ☐ ESD 31 January 2024



STATUS OF OPEN REQUISITIONS

PK-D-ACK

☐ Line 25 – (A8)

☐ Cartridge, Imp BBU-35A/B Qty: 23,400 ea

☐ DCN: DPK28502245000

☐ Source from Production next estimated contract award - 2 Qtr FY21

☐ ESD 30 June 2023

☐ Line 26 – (A8)

☐ Flare, MJU-7A/B Qty: 15,120 ea

☐ DCN: DPK28502245001

☒ NOA sent 1 Dec 2022



STATUS OF OPEN REQUISITIONS

PK-D-ACK

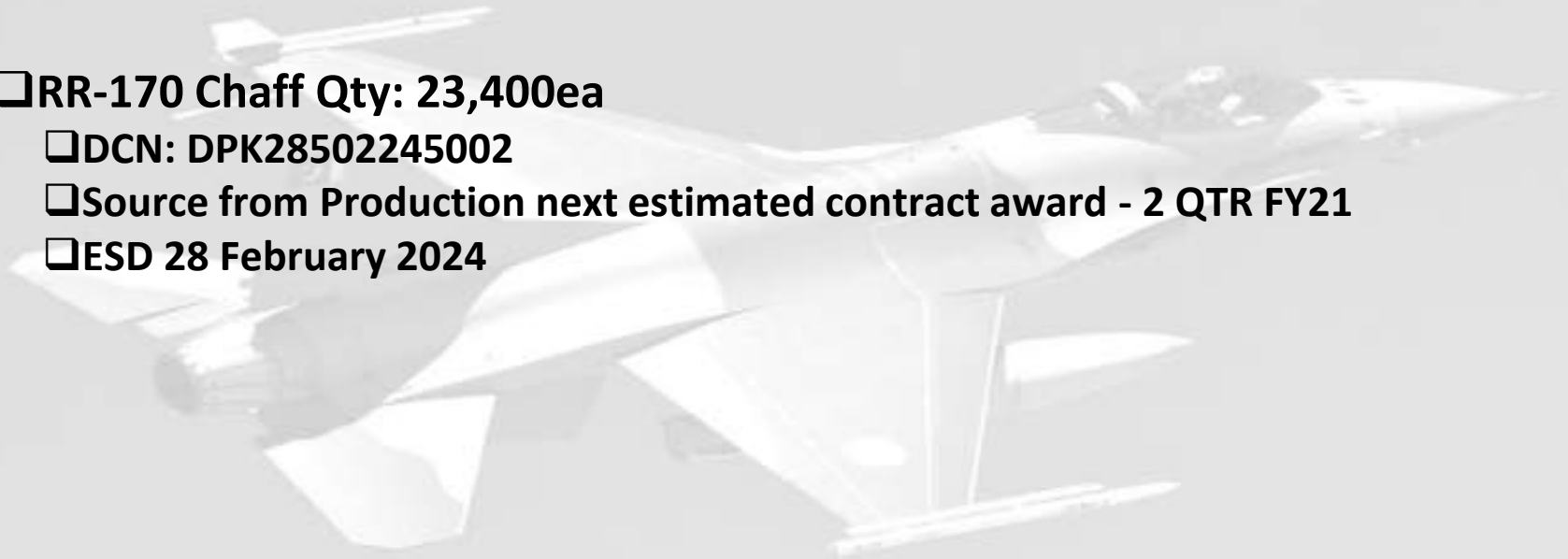
☐ Line 27 – (A8)

☐ RR-170 Chaff Qty: 23,400ea

☐ DCN: DPK28502245002

☐ Source from Production next estimated contract award - 2 QTR FY21

☐ ESD 28 February 2024





STATUS OF OPEN REQUISITIONS

☐ PK-D-CDP

☐ Line 01

DCN	CASE	LINE	ESD	QTY	NSN	ITEM NAME
DPK28470865300	CDP	1	2023151	4	1377013277872	ROCKET MOTOR jeremy reeder
DPK28470805300	CDP	1	2023151	17	1377013277873	ROCKET MOTOR j reeder
DPK28480875300	CDP	1	NOA22354	15	1377004034827	INITIATOR,PROPELLANT
DPK28480875305	CDP	1	NOA22365	5	1377010542912	INITIATOR,PROPELLANT

☐ Line 02

DCN	CASE	LINE	ESD	QTY	NSN	ITEM NAME
DPK28480875303	CDP	2	2023273	5	1377010530587	ROCKET MOTOR N reeder
DPK28430857611	CDP	2	2023120	30	1377013339143	CUTTER,CARTRIDGE AC IH REPORT
DPK28410607627	CDP	2	NOA22201	12	1377011448482	CORD ASSEMBLY,DETON
DPK24490737600	CDP	2	2027350	10	1377015900158	INITIATOR,CARTRIDGE 27350



STATUS OF OPEN REQUISITIONS

☐ PK-D-CDP

☐ Line 03

DCN	CASE	LINE	ESD	QTY	NSN	ITEM NAME
DPK28450917630	CDP	3	PPU14May	20	1377013322379	CUTTER,CARTRIDGE A
DPK28450917602	CDP	3	PPU14May	130	1377007319272	INITIATOR,CARTRIDGE
DPK28480875310	CDP	3	2023120	30	1377013322379	CUTTER,CARTRIDGE A
DPK28450917636	CDP	3	shipped2019	90	1377011022219	INITIATOR,PROPE

☐ Line 04

DCN	CASE	LINE	ESD	QTY	NSN	ITEM NAME
DPK28460915310	CDP	4	shipped	40	1377004034827	INITIATOR,PROPELLAN
DPK28460915317	CDP	4	PPU14May	70	1377007319272	INITIATOR,CARTR
DPK28460915327	CDP	4	Shipped	10	1377012501293	CORD ASSEMBLY,DETON
DPK28460915307	CDP	4	2023243	5	1377015209738	CATAPULT,AIRCRAFT E
DPK28460915315	CDP	4	2023224	10	1377013339143	CUTTER,CARTRIDGE AC N Reeder
DPK24480875313	CDP	4	shipped	5	1377015242412	SEQUENCER,EJEC



STATUS OF OPEN REQUISITIONS

☐ PK-D-CDP

☐ Line 05

DCN	CASE	LINE	ESD	QTY	NSN	ITEM NAME
DPK28410425320	CDP	5	2023273	70	1377010568643	CORD,DETON
DPK28470865311	CDP	5	NOA2022165	5	1377010568643	CORD,DETON
DPK28470865313	CDP	5	NOA2022319	15	1377012501292	CORD ASSEMBLY,DET
DPK28470865314	CDP	5	NOA2022325	10	1377012501293	CORD ASSEMBLY,DETON
DPK28470805311	CDP	5	NOA2022307	10	1377004034827	INITIATOR,PROPELLAN
DPK28470805308	CDP	5	2024031	43	1377015209738	CATAPULT,AIRCRAFT E
DPK28470865306	CDP	5	NOA2022165	10	1377010559964	CORD,DETON
DPK28480875312	CDP	5	2023273	30	1377015209738	CATAPULT,AIRCRAFT E
DPK28470805315	CDP	5	2023365	14	1377013339143	CUTTER,CARTRIDGE AC
DPK28470865305	CDP	5	NOA2022214	5	1377010549950	CORD ASSEMBLY,DETON
DPK28480955000	CDP	5	2024063	226	1377014549864	INFLATION DEVICE,A
DPK28410425320	CDP	5	2023273	70	1377010568643	CORD,DETON



STATUS OF OPEN REQUISITIONS

☐ PK-D-CDP

☐ Line 06

DCN	CASE	LINE	ESD	QTY	NSN	ITEM NAME
DPK28490865317	CDP	6	2023273	5	1377012501293	CORD ASSEMBLY,DETON
DPK28490865313	CDP	6	2023273	15	1377012009013	CORD ASSEMBLY,DETON
DPK28490865316	CDP	6	2023273	28	1377012002429	CORD ASSEMBLY,DETON
DPK28410425321	CDP	6	2023273	5	1377010568644	CORD,DETONATING
DPK28490865302	CDP	6	2023364	5	1377015209738	CATAPULT,AIRCRAFT E
DPK24490865309	CDP	6	NOA2022047	40	1377015242412	SEQUENCER,EJEC
DPK28490865315	CDP	6	2023273	20	1377012039713	CORD ASSEMBLY,DETON
DPK28490865305	CDP	6	2023365	60	1377004034827	INITIATOR,PROPELLAN
DPK28410425322	CDP	6	2023273	10	1377010739444	CORD,DETONATING
DPK28490865306	CDP	6	2023120	30	1377013322379	CUTTER,CARTRIDGE AC
DPK28490865318	CDP	6	2023100	25	1377013941271	PARACHUTE RELEASE,E
DPK24410425324	CDP	6	2024120	10	1377015242412	SEQUENCER,EJECTION
DPK28490865307	CDP	6	2023224	50	1377010838459	DROGUE,SEVERENCE N reeder



STATUS OF OPEN REQUISITIONS

☐ PK-D-CDP

☐ Line 06 (continued)

DCN	CASE	LINE	ESD	QTY	NSN	ITEM NAME
DPK28490865301	CDP	6	2023273	8	1377010530587	ROCKET MOTOR
DPK28490865312	CDP	6	2023273	25	1377011392835	CORD ASSEMBLY,DETON
DPK28490865314	CDP	6	2023273	5	1377011987480	CORD ASSEMBLY,DETON
DPK28490865319	CDP	6	2023273	5	1377011987480	CORD ASSEMBLY,DETON



STATUS OF OPEN REQUISITIONS

☐ PK-D-CDP

☐ Line 07

DCN	CASE	LINE	ESD	QTY	NSN	ITEM NAME
DPK28400905303	CDP	7	2023224	25	1377010528208	CARTRIDGE,IMPULSE
DPK28400905316	CDP	7	2023150	10	1377011987481	CORD ASSEMBLY,DETON
DPK28410425304	CDP	7	2023365	45	1377010530537	GENERATOR,GAS PRESS
DPK28400905305	CDP	7	2023365	30	1377013339143	CUTTER,CARTRIDGE AC
DPK28410425303	CDP	7	2024212	10	1377010575431	ROCKET MOTOR
DPK28400905320	CDP	7	2024180	10	1377012551650	ROCKET MOTOR
DPK28410425315	CDP	7	2023273	10	1377012009013	CORD ASSEMBLY,DETON
DPK28410425309	CDP	7	2023258	10	1377010855974	BOLT,EXPLOSIVE
DPK28410425302	CDP	7	2024185	30	1377010580122	ROCKET MOTOR
DPK28400905300	CDP	7	2023224	50	1377010530537	GENERATOR,GAS PRESS
DPK28410425316	CDP	7	2023273	10	1377012002429	CORD ASSEMBLY,DETON
DPK28400905319	CDP	7	2023150	5	1377012039713	CORD ASSEMBLY,DETON
DPK28410425314	CDP	7	2023273	10	1377011606506	CORD ASSEMBLY,DETON



STATUS OF OPEN REQUISITIONS

☐ PK-D-CDP

☐ Line 07 (continued)

DCN	CASE	LINE	ESD	QTY	NSN	ITEM NAME
DPK24400905306	CDP	7	2024180	15	1377015242412	SEQUENCER,EJEC
DPK28410425312	CDP	7	2023231	18	1377011022219	INITIATOR,PROPELLAN
DPK28400905304	CDP	7	2023120	15	1377011664261	INITIATOR,CARTRIDGE
DPK28400905308	CDP	7	NOA2022255	70	1377010542911	INITIATOR,PROPELLAN
DPK28400905315	CDP	7	2023150	15	1377011987485	CORD ASSEMBLY,DETON
DPK28410425306	CDP	7	2023255	30	1377013339143	CUTTER,CARTRIDGE AC
DPK28410425319	CDP	7	2024043	15	1377010568642	CORD,DETONATING
DPK28410425305	CDP	7	2023365	225	1377015364060	CARTRIDGE,IMPULSE
DPK28400905307	CDP	7	NOA2022364	15	1377010855974	BOLT,EXPLOSIVE
DPK28400905301	CDP	7	2023120	20	1377015209738	CATAPULT,AIRCRAFT E
DPK28410425310	CDP	7	2025120	65	1377007319271	INITIATOR,CARTRIDGE
DPK28400905314	CDP	7	2023150	25	1377011448481	CORD ASSEMBLY,DETON
DPK28400905310	CDP	7	NOA2022285	55	1377010732190	INITIATOR,PROPELLAN



STATUS OF OPEN REQUISITIONS

☐ PK-D-CDP

☐ Line 07 (continued)

DCN	CASE	LINE	ESD	QTY	NSN	ITEM NAME
DPK28400905313	CDP	7	2023150	10	1377011392835	CORD ASSEMBLY,DETON
DPK28410425313	CDP	7	2023243	16	1377011028963	INITIATOR,PROPE





STATUS OF OPEN REQUISITIONS

☐ PK-D-CDQ

☐ Line 01

DCN	CASE	LINE	ESD	QTY	NSN	ITEM NAME
DPKA8420885306	CDQ	1	23362	40	1377-01-083-8459ES	ASSEMBLY MODERNIZED SEAT
DPKA4420885307	CDQ	1	24008	10	1377-01-618-8645ES	(MASS) KIT MASS, POWER
DPKA4420885308	CDQ	1	24105	10	1377-01-524-2412ES	MODULE CORD ASSEMBLY,
DPKA8420885316	CDQ	1	24149	10	1377-01-200-2429ES	DETON
DPKA8422525325	CDQ	1	24221	65	1377-01-312-3511ES	BATTERY POWER
DPKA8422715300	CDQ	1	25026	40	1377-01-053-0587ES	ROCKET MOTOR
DPKA8422975300	CDQ	1	24335	5	1377-01-058-0122ES	ROCKET MOTOR
DPKA8422975301	CDQ	1	24335	25	1377-01-057-5431ES	ROCKET MOTOR
DPKA8422995302	CDQ	1	24237	5	1377-01-053-0537ES	GENERATOR, GAS PRESS
DPKA8422995311	CDQ	1	25328	85	1377-01-054-2911ES	INITIATOR, PROPELLANT
DPKA8422995312	CDQ	1	24116	15	1377-01-102-2219ES	INITIATOR, PROPELLANT
DPKA8422995313	CDQ	1	24146	5	1377-01-102-8963ES	INITIATOR, PROPELLANT
DPKA4422535307	CDQ	1	24012	10	1377-01-618-8645ES	



STATUS OF OPEN REQUISITIONS

☐ PK-D-CDQ

☐ Line 01 (continued)

DCN	CASE	LINE	ESD	QTY	NSN	ITEM NAME
DPKA8422525309	CDQ	1	24063	20	1377-01-073-9445ES	CORD, DETONARING
DPKA8422525314	CDQ	1	24312	10	1377-01-139-2835ES	CORD AASSEMBLY, DETON
DPKA8422525315	CDQ	1	24099	30	1377-01-144-8481ES	CORD ASSEMBLY, DETON
DPKA8422525317	CDQ	1	24312	10	1377-01-198-7481ES	CORD ASSEMBLY, DETON
DPKA8422525318	CDQ	1	25007	20	1377-01-198-8748ES	CORD ASSEMBLY, DETON
DPKA8422525319	CDQ	1	25098	10	1377-01-198-7480ES	CORD ASSEMBLY, DETON
DKKA8422525320	CDQ	1	24312	10	1377-01-201-5515ES	CORD ASSEMBLY, DETON
DPKA8422525321	CDQ	1	25007	80	1377-01-054-2912ES	INITIATOR, PROPELLANT
DPKA8422525322	CDQ	1	24221	20	1377-00-403-4827ES	INITIATOR, PROPELLANT
DPKA8422525323	CDQ	1	25007	40	1377-01-053-0587ES	ROCKET MOTOR
DPKA8422525324	CQQ	1	25273	90	1377-01-394-1271ES	PARACHUTE RELEASE



STATUS OF OPEN REQUISITIONS

PK-D-YAD

☐ Line 66 – (A7)

☐ Chaff, RR-170 Qty: 33,600ea

☐ DCN: DPK24582915000

☐ NOA issued in June 2020

☐ Delivered 10 September 2021

☐ Line 73 – (A7)

☐ Impulse Cartridge, BBU-36 A/B Qty: 51,840 ea

☐ DCN: DPK28561245001

☐ Delivered 5 May 2021



STATUS OF OPEN REQUISITIONS

PK-D-YAD

☐ Line 76 – (A7)

☐ ARD-446 Qty: 8,000ea

☐ DCN: DPK28561305001

☐ ESD 13 April 2026

☐ Line 77 – (A9)

☐ 20MM PGU-27A/B TP Qty: 25,000ea

☐ DCN: DPK28502795000

☐ ESD 30 September 2023.



STATUS OF OPEN REQUISITIONS

PK-D-YAD

☐ **Line 78 – (A9)**

☐ **20MM PGU-28A/B HEI Qty: 15,000ea**

☐ **DCN: DPK28502795001**

☐ **ESD 30 September 2023**

☐ **Line 79 – (A9)**

☐ **BBU-36 A/B Qty: 9,720ea**

☐ **DCN: DPK28502795002**

☐ **ESD 31 January 2024**



STATUS OF OPEN REQUISITIONS

PK-D-YAD

☐ **Line 80 – (A9)**

☐ **Cart, ARD 863-1A1W Qty: 25,000ea**

☐ **DCN: DPK28502795003**

☐ **ESD 12 June 2023**

☐ **Line 81 – (A9)**

☐ **BBU-35 A/B Qty: 15,000ea**

☐ **DCN: DPK28502795004**

☐ **ESD: 30 June 2023**



STATUS OF OPEN REQUISITIONS

PK-D-YAD

☐ Line 82 – (A9)

☐ MJU-7/B Flare Qty: 8,040ea

☐ DCN: DPK28502795005

☐ ESD 31 March 2024

☐ Line 83 – (A9)

☐ Shaft Drive FZE MAU-86/B4 Qty: 480ea

☐ DCN: DPK25302795000

☒ Final Delivery Reported 16 May 2022



STATUS OF OPEN REQUISITIONS

PK-D-YAD

- ☐ Line 84 – (A9)
- ☐ Arming Wire (1/4 Hard) Qty: 175,000ea
 - ☐ DCN: DPK25302795001
 - ☐ DCN: DPK25302795002
 - ☒ Final Delivery Reported 16 May 2022
- ☐ Line 87 – (A9)
- ☐ Chaff, RR-170 Qty: 15,000ea
 - ☐ DCN: DPK25502795000
 - ☐ ESD 28 February 2024



MUNITIONS OVERVIEW

- ☐ Hill AFB, Utah
- ☐ POC: Robert Edmonds
- ☐ robert.edmonds@us.af.mil (801) 586-1128

- ☐ *General Purpose Bombs*
- ☐ *Bomb Components*
- ☐ *FMU-139 & 152*
- ☐ *20MM PGU-27 (Target)*
- ☐ *20MM PGU-28 (HEI)*
- ☐ *BBU-35, BBU-36 squibs*
- ☐ *RR-170 chaff, MJU-7 flare*
- ☐ *All CAD/PAD*
- ☐ *TTU-595 test set & cables*
- ☐ *GBU-10, GBU-12*
- ☐ *Legacy Paveway CCG – GPS (MAU-169/209)*

- ☐ Warner Robins AFB, Georgia
- ☐ POC: Benjamin Salter SR
- ☐ benjamin.salter.1@us.af.mil (478) 327-4336

- ☐ *AIM 120*
- ☐ *Some AMRAAM support*

- ☐ Warner Robins AFB, Georgia
- ☐ POC: Mitchell Browder
- ☐ mitchell.browder.2@us.af.mil (478) 327-4381

- ☐ *AIM 9*
- ☐ *AIM 120*

- ☐ Warner Robins AFB, Georgia
- ☐ POC: Amy Thomas
- ☐ amy.thomas.9@us.af.mil (478) 327-4311

- ☐ *MBA (Missile Body Assembly)*



MUNITIONS OVERVIEW

- ☐ Eglin AFB, Florida
- ☐ POC: Charles "Ed" Presson
- ☐ charles.presson.ctr@us.af.mil (850) 883-3744

- ☐ GBU-31(v)1 (MK-84)
- ☐ GBU-31(v)3 (BLU-109)
- ☐ GBU-38(MK-82)
- ☐ GBU-49 EP11 (MK-82)
- ☐ GBU-24(v)11/B EP11(MK-84)
- ☐ GBU-24(v)12/B(BLU-109)
- ☐ Enhanced Paveway II & III - Laser CCG (WGU-43)

- ☐ Eglin AFB, Florida
- ☐ POC: Christopher Stewart
- ☐ christopher.stewart.34@us.af.mil (850) 875-7338

- ☐ Main AMRAAM support

- ☐ Hill AFB, Utah
- ☐ POC: Bryce Nickisch

- ☐ Website:

- ☐ <https://www.tcghome.net/tcgpgm/>
- ☐ (801) 586-0751 - Technical Control Group (TCG)
- ☐ Support until 2021 on Case PK-D-QAJ lines 16 &17



HILL AFB POINTS OF CONTACT

☐ Mr. Robert Edmonds – Munitions Line Manager

☐ Email: robert.edmonds@us.af.mil

☐ Phone: 801-586-1128

☐ DSN: 586-1128

☐ Ms. Tiffany Robinson – Lead Munitions Line Manager

☐ Email: tiffany.robinson.3@us.af.mil

☐ Phone: 801-777-5847

☐ DSN: 777-5847

☐ Ms. Christina (Tina) Malone – FMS Transportation

☐ Email: christina.malone.1.ctr@us.af.mil

☐ Group Email: ooalc.gacp.transportation@us.af.mil

☐ Phone: 801-777-5110

☐ DSN: 777-5110



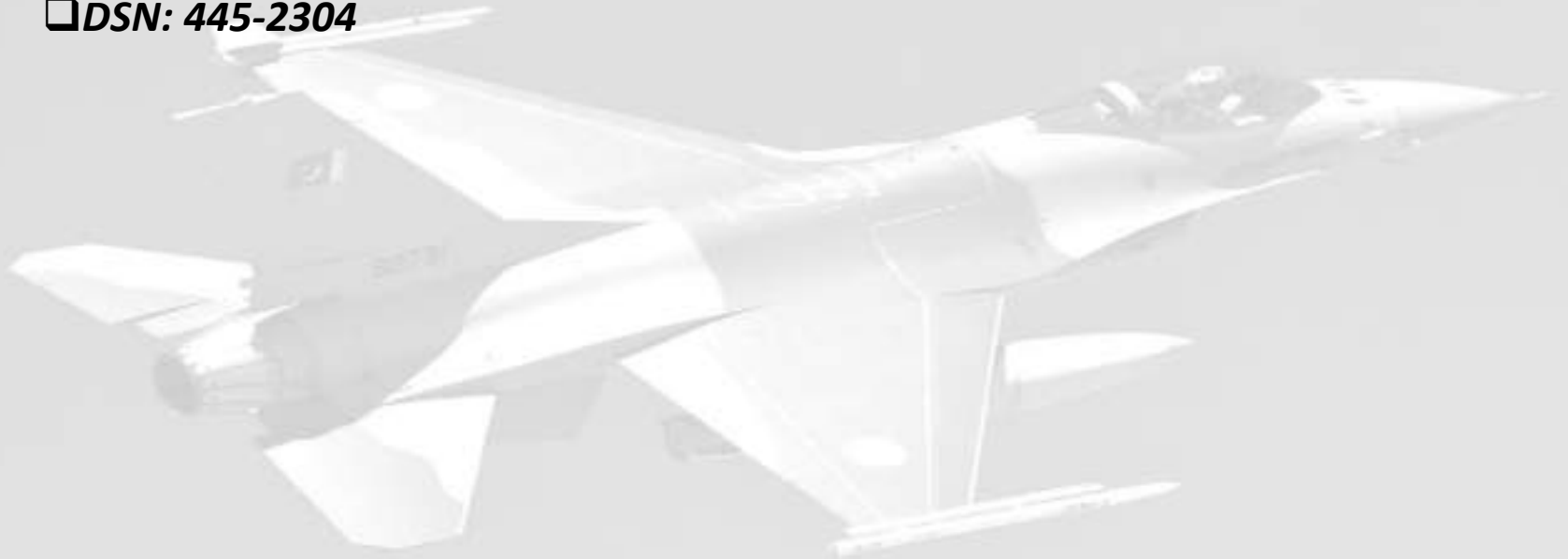
DOVER AFB POINTS OF CONTACT

❑ **Mr. Bradley Schmidt – FMS Transportation**

❑ **Email: bradley.schmidt.1@us.af.mil**

❑ **Phone: 302-677-2304**

❑ **DSN: 445-2304**







F-16 PEACE DRIVE

Pakistan PK-D-QAJ JDAM/ EP II Review



Mr. Mark Schroeder
Direct Attack Program Manager
AFLCMC/EBDI
Eglin AFB, FL

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EBDI Team

- ☐ Attack International
- ☐ Eglin AFB
- ☐ Pakistan IPT
- ☐ Mark Schroeder – Program Manager
- ☐ Roger Larch – Logistics
- ☐ Jon Simone – Engineer
- ☐ Frances Sanchez – Financial Manager





PK-D-QAJ

Attack International, Eglin AFB

PK-D-QAJ Summary

- **006 Basic** - CONTRACTOR-PROVIDED A/C COMPONENTS, SPARES, ACCESSORIES JDAM
- **007 Basic** - R+R OTHER MATERIEL
 - JDAM Unclassified Repair and Return Maintenance
- **0038 A03** – R+R WEAPONS & SUPPORT EQUIPMENT
 - Enhanced Paveway (EP) Unclassified Repair & Return Weapons and Support Equipment
- **045 A04** - R+R OTHER MATERIEL
 - JDAM Tail Kit repair and return maintenance
- **053 A06** - R+R OTHER MATERIEL
 - JDAM and GBU-49 EP II R&R maintenance

Program Team

PM: Mark Schroeder
FM: Frances Sanchez
LG: Roger Larch
EN: Jon Simone
PK: Ryan O'Connell, Angie Matson

Repair and Return

- **3 JDAM were repaired 2022;**
 - KMU-572B/B S/N 664772
 - KMU-556B/B S/N 664598
 - KMU-557B/B S/N 664529
- Complete June 2022

Look Ahead Key Events

- With next amendment, drawdown funds from expired Line 701 to Line 707
 - Line will add Raytheon support to procure updated CSTO for Pakistan EP II

**CSTO -Country Standard Technical Orders*



PK-D-QAJ

Attack International, Eglin AFB

☐ Discussion Topic:

☐ A&S Testing of Internal Energetic Components of Enhanced Paveway II and III Kits (GBU-24)

☐ *Request for update on A&S testing on USAF inventory, which was scheduled to be completed in 2021*

- ☐ We currently do not have a line on PK-D-QAJ for Raytheon support.
- ☐ With next LOA amendment, we will add Raytheon to the Tech Support line on the LOA.
- ☐ Once amended, we can request for this data and provide support for this topic.





F-16 PEACE DRIVE

AMRAAM PROGRAM UPDATES



Michael Frey
AFLCMC/EBAI
AMRAAM SAPM
Eglin AFB, Florida

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AMRAAM OVERVIEW

- ☐ Launch Sequence Protection Plug (LSP) for AMRAAM
- ☐ Repair of Guidance Sections and Missiles of AMRAAM
- ☐ AMRAAM Service Line Update



LAUNCH SEQUENCE PROTECTION (LSP) PLUG



- ☐ **PAF LSP requirement received by AMRAAM FMS: 500 LSP (Raytheon) and 20 spare LSP (PAF funded)**
- ☐ ***LSP Contract***
 - ☐ There has been delays with the contract for LSP's but the AMRAAM office is anticipating the final contract offer to be accepted in the near future.
- ☐ ***LSP Delivery***
 - ☐ As of 16 Feb 2023, the estimated delivery of LSP's will occur in late 2024



REPAIR OF AMRAAM GUIDANCE SENCATIONS

☐ GS 1200353

☐ *Status: Currently on task order with an estimated completion date of 15 Feb 2024. AMRAAM office will stay engaged with Raytheon to see if the GS will be completed before that date.*

☐ GS 1200409

☐ *Status: Currently on task order with an estimated completion date of 11 Aug 2024. AMRAAM office will stay engaged with Raytheon to see if the GS will be completed before that date.*

☐ GS1194015

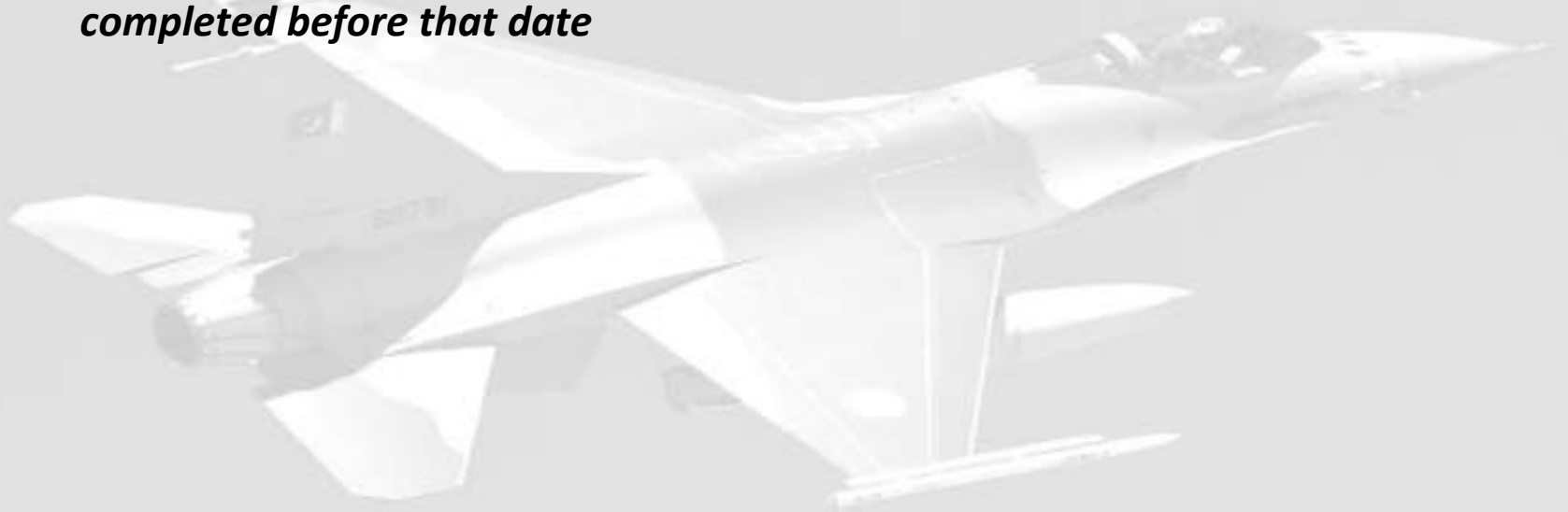
☐ *Status: Currently on task order with an estimated completion date of 15 Feb 2024. AMRAAM office will stay engaged with Raytheon to see if the GS will be completed before that date.*



REPAIR OF AMRAAM GUIDANCE SENCATIONS

☐ GS 1190417

- ☐ ***Status: Currently on task order with an estimated completion date of 11 Aug 2024. AMRAAM office will stay engaged with Raytheon to see if the GS will be completed before that date***





REPAIR OF AMRAAM AUR MISSILES

☐ AUR CC12214

☐ *Status: Currently on task order with an estimated completion date of 11 Aug 2024. AMRAAM office will stay engaged with Raytheon to see if the GS will be completed before that date*

☐ AUR CC12318

☐ *Status: Currently on task order with an estimated completion date of 11 Aug 2024. AMRAAM office will stay engaged with Raytheon to see if the GS will be completed before that date*





SERVICE LINES FOR AMRAAM

- ☐ Line 004 - Classified AMRAAM Repair & Return
- ☐ Line 005 - Unclassified AMRAAM Repair & Return
- ☐ Line 032 - Classified AMRAAM Repair & Return
- ☐ Line 037 - Unclassified AMRAAM Repair & Return
- ☐ Line 702 – AMRAAM Weapon System Support (Expired Line)
- ☐ Line 704 – AMRAAM Other Services (Expired Line)
- ☐ Line 706 - AMRAAM Other Services
- ☐ Line 708 - AMRAAM Weapon System Support





F-16 PEACE DRIVE



AMRAAM LOGISTICS



Joe Cates
AFLCMC/EBAI
Logistics Management
Specialist, Robins AFB, GA

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QAJ Container Shipment

☐ Guidance Section Containers (CNU-463/E)

☐ *Fork pockets were backordered and delivered in Dec 2022.*

☐ *5 containers on order*

☐ DPKA5502596702 changed to DPKG5502596702

☐ 1 container ECD 31 May 2023

☐ 4 containers ECD 31 Aug 2023

☐ Control Section Containers (CNU-572/E)

☐ *All containers showing as having been shipped to customer.*

☐ DPKA5502596700 changed to DPKG5502596700

☐ *5 containers shipped Sep 2021*

☐ DPKA5500236700

☐ *2 containers, 1 shipped Oct 2020 and 1 shipped Jul 2021*



QAJ Open Requisitions

☐ 026 AMRAAM Containers

☐ *1 open requisition for 5 CNU-463/E containers*

☐ Following lines are active with no open requisitions

☐ 002 (O&I Spares)

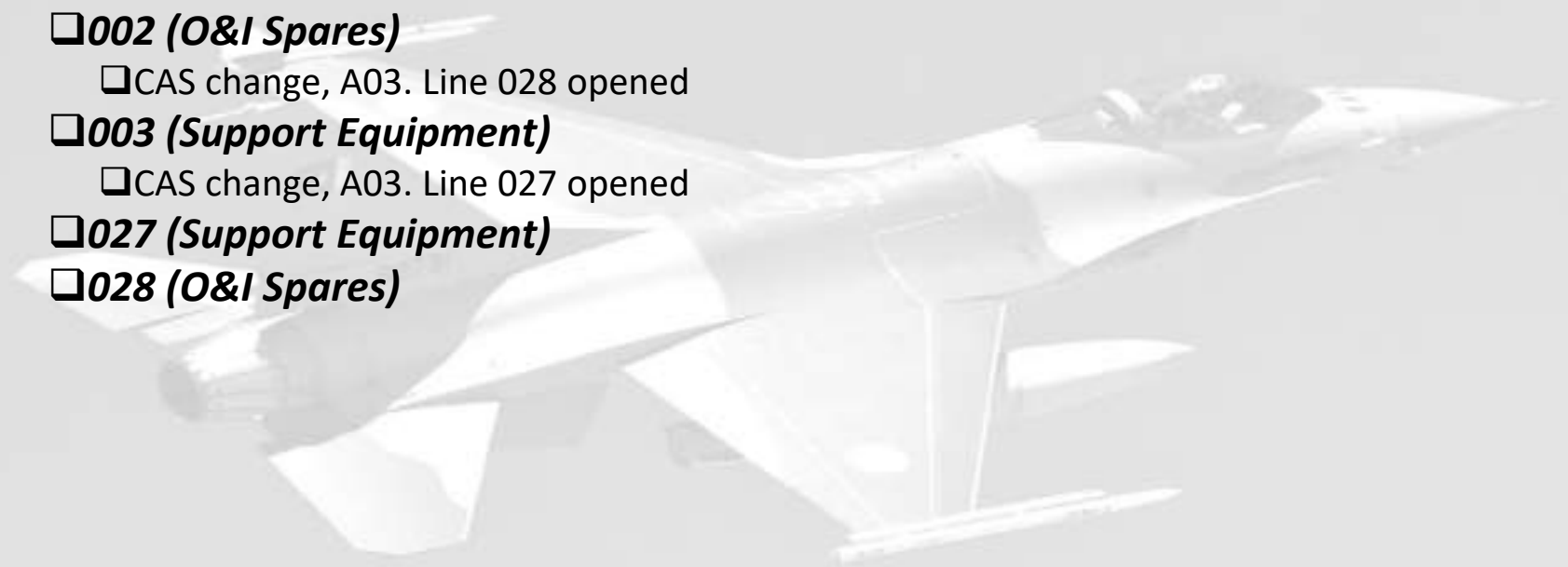
☐ CAS change, A03. Line 028 opened

☐ 003 (Support Equipment)

☐ CAS change, A03. Line 027 opened

☐ 027 (Support Equipment)

☐ 028 (O&I Spares)







F-16 PEACE DRIVE

AIR FORCE LIFE CYCLE MANAGEMENT AIM-9 (SIDEWINDER) FMS OFFICE



Mr. Karel E. Vallot
AFLCMC/EBWIM
International Technical Manager
Robins AFB, GA

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MISSILES INTERNATIONAL IPT

- ☐ Robert Colquitt
- ☐ Patrick Bowen
- ☐ Louis Siano
- ☐ Karel Vallot
- ☐ Ian Durski
- ☐ Stephanie Nauss
- ☐ Robert Bowers

Weapons & Missiles Branch Chief
Section Chief
IPT Lead/Logistics Specialist
Technical Management Specialist
Program Manager (AIM-9)
Program Manager (HARM)
Engineering



GOVERNMENT & INDUSTRIAL PARTNERS



☐ Crane Naval Depot

Active Optical Target Detector (AOTD)

Safe and Arm Devices (SAD)

☐ Tobyhanna Army Depot

AIM-9M Guidance Control Section (GCS)

☐ Letterkenny Army Depot

Missile Body Assembly (MBA) refurbishment

☐ China Lake Naval Depot

AIM-9L Guidance Control Section (GCS)

TMU-72 Argon Bottles

Test Set repair/upgrades/calibration



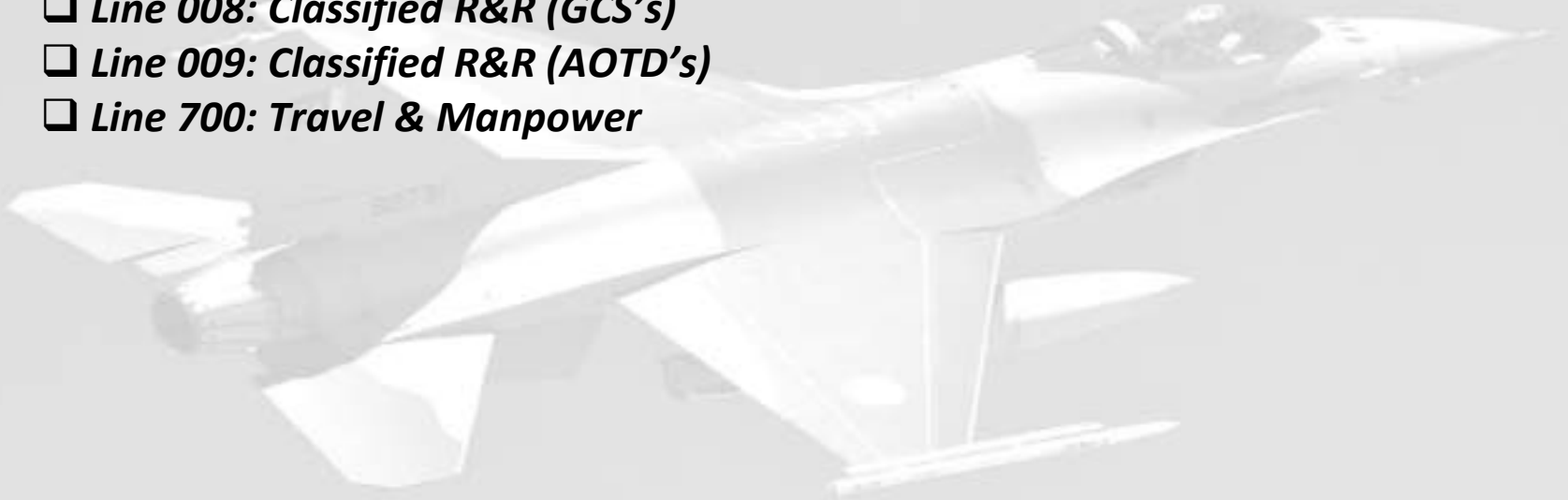
OVERVIEW

- ☐ **Case PK-D-ACK**
 - ☐ ***Line 020: AIM-9 MBA Procurement***
 - ☐ ***Line 701: MBA refurbishment/Packaging & Crating***
- ☐ **Case PK-D-QAJ**
 - ☐ ***Line 039: AIM-9 MBA Procurement***
 - ☐ ***Line 500: MBA Procurement/Packaging & Crating***
- ☐ **Case PK-D-QCQ**
 - ☐ ***Line 022: Classified Repair & Return (R&R)***
 - ☐ ***Line 030: Classified Repair & Return (R&R0***



OVERVIEW

- ☐ **Case PK-D-QCY**
 - ☐ ***Line 005: Infrared Targeting Simulator (IRTS) Calibration***
 - ☐ ***Line 006: Digital Hygrometer Calibration/repairs***
 - ☐ ***Line 007: R&R TMU-72 Bottles***
 - ☐ ***Line 008: Classified R&R (GCS's)***
 - ☐ ***Line 009: Classified R&R (AOTD's)***
 - ☐ ***Line 700: Travel & Manpower***





PK-D-ACK

- ☐ Line 020: Procurement of 30 each MBA's
 - ☐ *Assets procured*

- ☐ Line 701: Refurbishment of 30 each MBA's
 - ☐ *Refurb completed/awaiting shipment*





PK-D-QAJ



- ☐ Line 039: Procurement of 20 each MBA's
 - ☐ *Assets procured*

- ☐ Line 500: Refurbishment of 20 each MBA's
 - ☐ *Refurb completed/shipped March 2022*





PK-D-QCQ



☐ Line 022: Classified R&R

- ☐ 18 ea. GCS's; *estimated completion date of Sep 30th 2023*
- ☐ 15 ea. GCS's G-Coded (awaiting gyros); *completion date unknown*

☐ Line 030: Classified R&R

- ☐ 20 ea. GCS's G-Coded; *completion date unknown*
- ☐ 1 ea. AOTD; *completed (shipped 3/22/22)*
- ☐ 50 ea. AOTD; *completed (shipped 3/22/22)*
- ☐ 50 ea. SAD's; *completed (NOA sent 5/24/22)*
- ☐ *This line also provided additional funding to support Line 022 after expiration.*
- ☐ ***This line expires March 2023/Requires PoP extension***



PK-D-QCY

- ☐ Line 005: Calibration of IRTS
- ☐ Line 006: Digital Hygrometer recalibration
- ☐ Line 007: R&R TMU-72 bottles
- ☐ Line 008: R&R GCS's
- ☐ Line 009: R&R ATOD's
- ☐ Line 700: Travel/Manpower

* Line 007 expires Jan 2026; Line 700 expires Dec 2027. All other lines expire Jan 2028.

* **To date, no assets have been sent in for R&R/recalibration**





F-16 PEACE DRIVE

Pakistan ECISAP ALQ-213 Support



Derrick Powell
Program Manager/WNYI
Derrick.Powell.3.ctr@us.af.mil
478-926-1030

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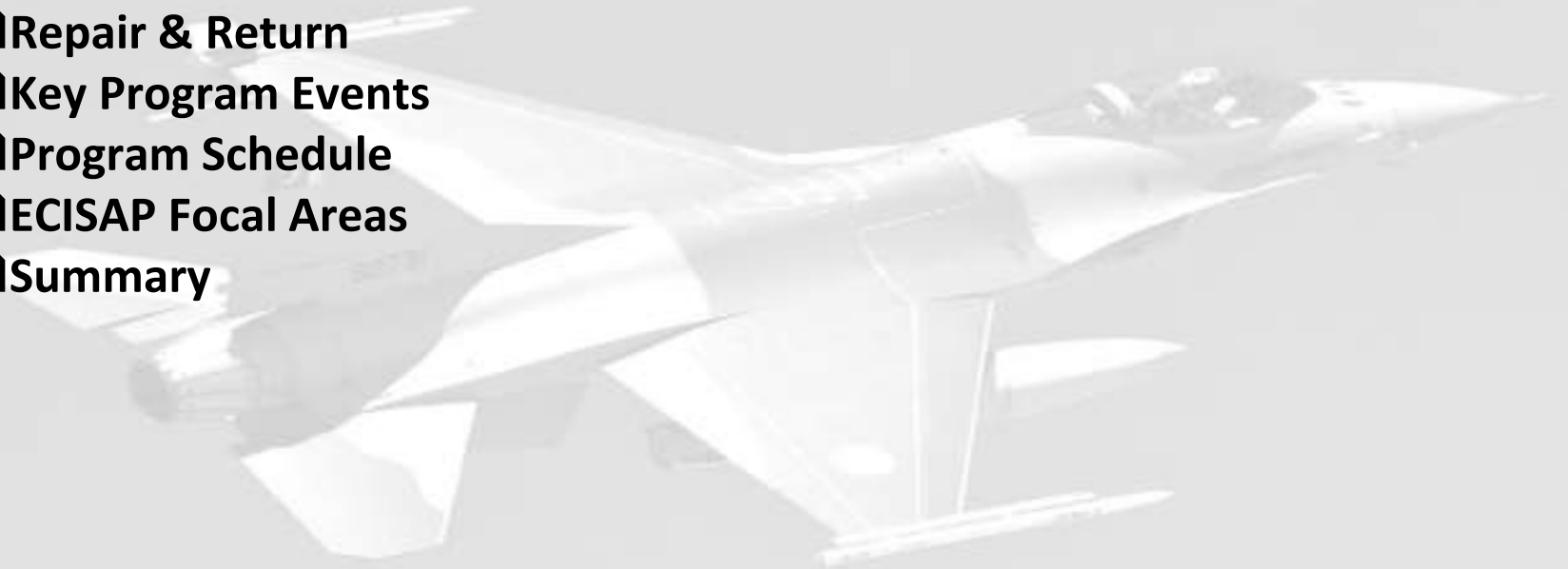
Key Personnel

William “Tuck” Kelleher	EW FMS Material Leader	478-926-5863	William.kelleher.2@us.af.mil
Delene Neal	Electronic Attack IPT Chief	478-926-1935	Delene.neal@us.af.mil
John Gates	Lead Engineer	478-926-4693	John.gates@us.af.mil
Derrick Powell	Program Manager	478-926-1030	Derrick.Powell.3.ctr@us.af.mil
Samuel Bixler	Engineer – ALQ-213	478-926-7323	Samuel.bixler@us.af.mil
Kevin Jackson	Engineer – ALQ-213	478-926-9054	Kevin.jackson.55@us.af.mil
Dominic Brown	Financial Manager	478-926-5800	Dominic.brown.3.ctr@us.af.mil
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Russell McGaha	DLA ALQ-213 Contracting	478-222-8341	Russell.mcgaha@us.af.mil
Mellissa Smith	ALQ-213 Contracting Officer	478-468-5371	Mellissa.smith@us.af.mil



Outline / Agenda

- ☐ Program Description
- ☐ LOA Status
- ☐ Sustainment
- ☐ Repair & Return
- ☐ Key Program Events
- ☐ Program Schedule
- ☐ ECISAP Focal Areas
- ☐ Summary





ALQ-213 Program Description



REQUIREMENT

- Services and Support for AN/ALQ-213 Countermeasures Set (CMS) (34 Qty)
 - Software updates
 - Repair and return
 - Spares procurement

KEY PROGRAM EVENTS

- Defense Logistics Agency completed TERMA contract modification Oct 2022 for Countermeasures Signal Processor (CMSP)

PROGRAM CHALLENGES

- TERMA GETS station Non-Mission Capable



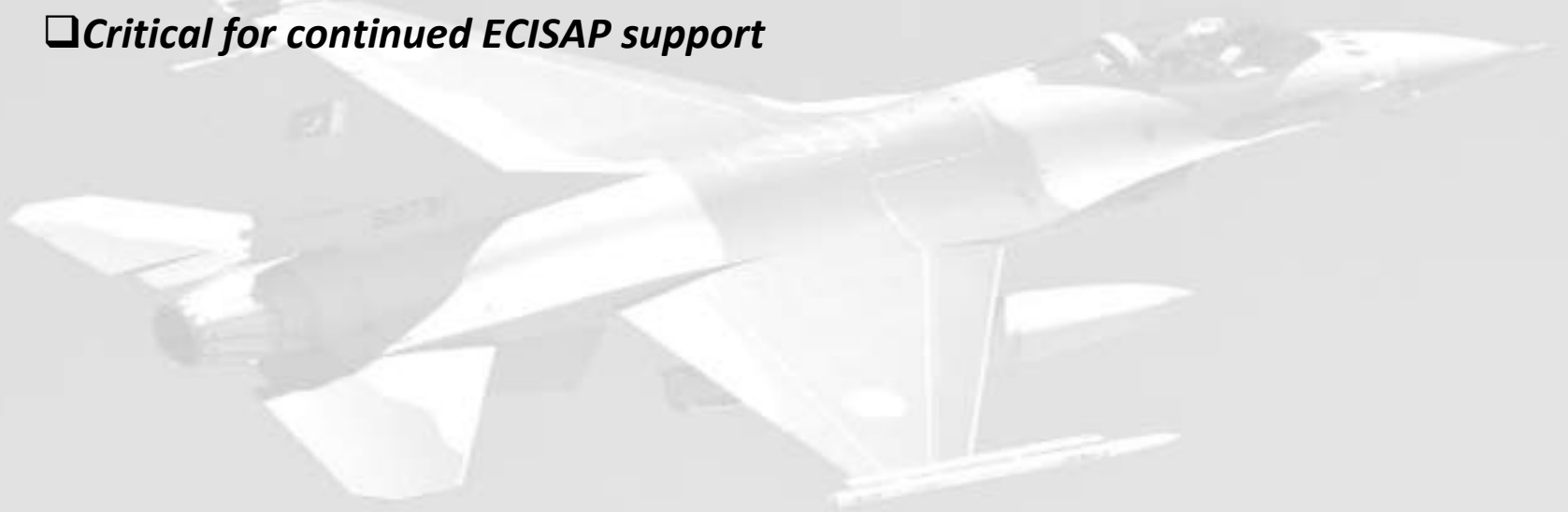
ECISAP ALQ-213 LOA Case Supported

☐ PK-D-NAP: PAF EW systems sustainment

☐ *PoP expired December 2022*

☐ PK-D-QAP is the follow-on case

☐ *Critical for continued ECISAP support*





ALQ-213 Block Cycle 1

- ☐ **Fielded Block Cycle 1 P56M.1 October 2022**
 - ☐ ***Incorporates bug fixes, and capability improvements to the Host and ECAP OFPs and ECAP mission data generator***
 - ☐ ***CSTCTO completed to update new software version***
 - ☐ ***OFP CPIN made available via ETIMS***
 - ☐ ECISAP requests confirmation CPIN has been ordered
 - ☐ ECISAP requests availability dates for in-country install/fielding





ALQ-213 Unclassified R&R Status

☐ ECISAP submitted items (Line 093)

Nomenclature	NSN	P/N	S/N	DCN	Repair Cost
CMSC	5865223085885	228600-001	2423	DPKGE523496830	\$21,646
CMSC	5865223085885	2286000-001	2381	DPK0E510156829	\$23,340





ALQ-213 Unclassified R&R Status

☐ ECISAP submitted items (Line 094)

Nomenclature	NSN	P/N	S/N	DCN	Repair Cost
CMSP	5865226059875	228300-105	3308	DPKGE530396840	\$32,915
CMSP	5865226059875	228300-105	1073	DPKGE520686829	\$32,288
CMSP	5865226059875	228300-105	3313	DPKGE511876829	\$31,777
CMSP	5865226059875	228300-105	3314	DPKGE511876830	\$31,777
CMSP	5865226059875	228300-105	3259	DPKGE511906830	\$31,777
CMSP	5865226059875	228300-105	3357	DPKGE511906831	\$31,777
CMSP	5865226059875	228300-105	3360	DPKGE511906832	\$31,777



ECISAP Focal Areas

- ☐ **Coordinate dates for in-country trip to field Block Cycle 1 update**
- ☐ **Coordinate with TERMA on repair of the Non-Mission Capable GETS**
 - ☐ *Contractor estimates repair completion June 2023*
 - ☐ *CMSP repairs on hold until GETS is FMC*





Summary

- ☐ Released ALQ-213 Block Cycle 1 software update
 - ☐ *ECISAP requests confirmation of CPIN order*
 - ☐ *ECISAP requests availability for in-country trip to install/field*
- ☐ Follow-on LOA implementation necessary to renew ECISAP support







F-16 PEACE DRIVE

PAF Simulator Program PMR #24



Tanya Hopson
AFLCMC/WNS
Program Manager
WPAFB, Ohio

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Resolution of 3rd ATD FMT Observations

- ☐ The USG is working with CAE on resolution on the observations
- ☐ USG recommends moving the outstanding items to the CLS contract for follow-up
 - ☐ *This will allow the CLS representative to remain in country*
- ☐ USG will declare RFT and CLS will begin in March 2023



Declaration of Ready for Training and start of CLS period of 01 year



- ☐ RFT will be declared in March 2023
 - ☐ *Outstanding issues will transfer to the CLS portion*
 - ☐ *Need assistance from PAF on 4 outstanding issues*
 - ☐ *CLS portion POP will be 1 year from date of RFT*

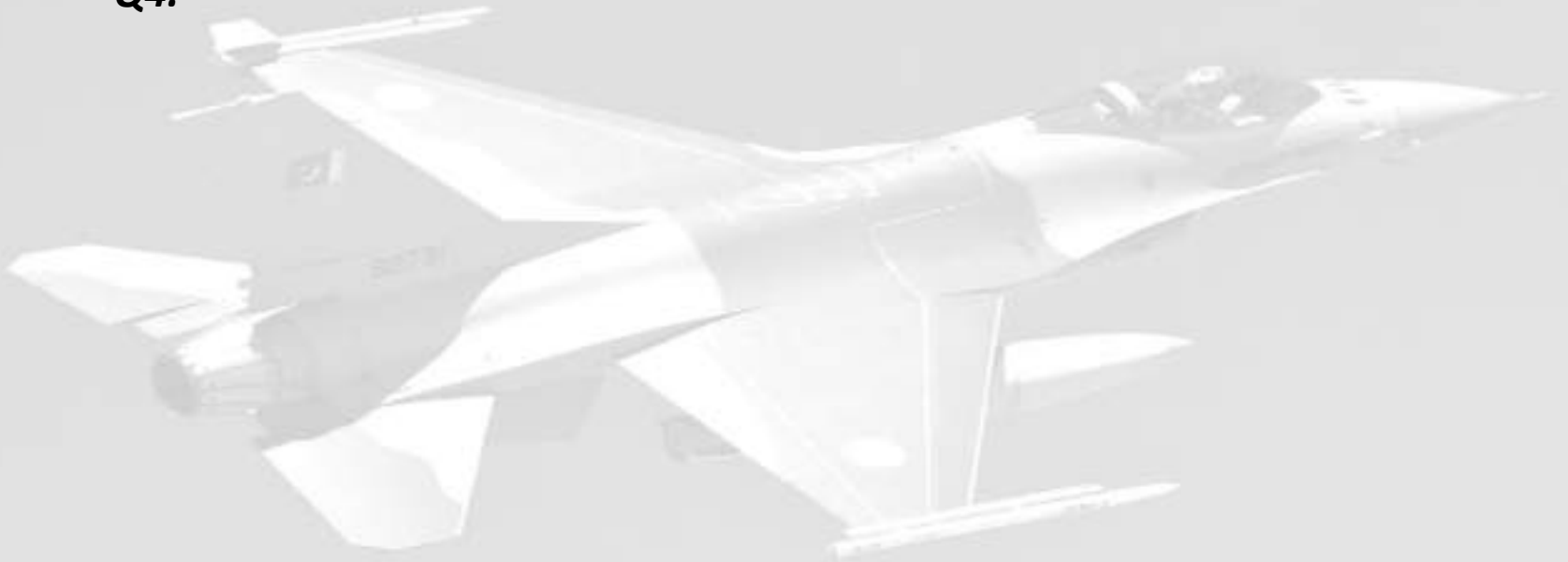




Resolution of NVG issue on Mushaf ATD

☐ NVG Cable (waiting on update)

☐ *NVG cable was installed and checked good by CAE's CLS technician in CY22 Q4.*





Obsolescence Management

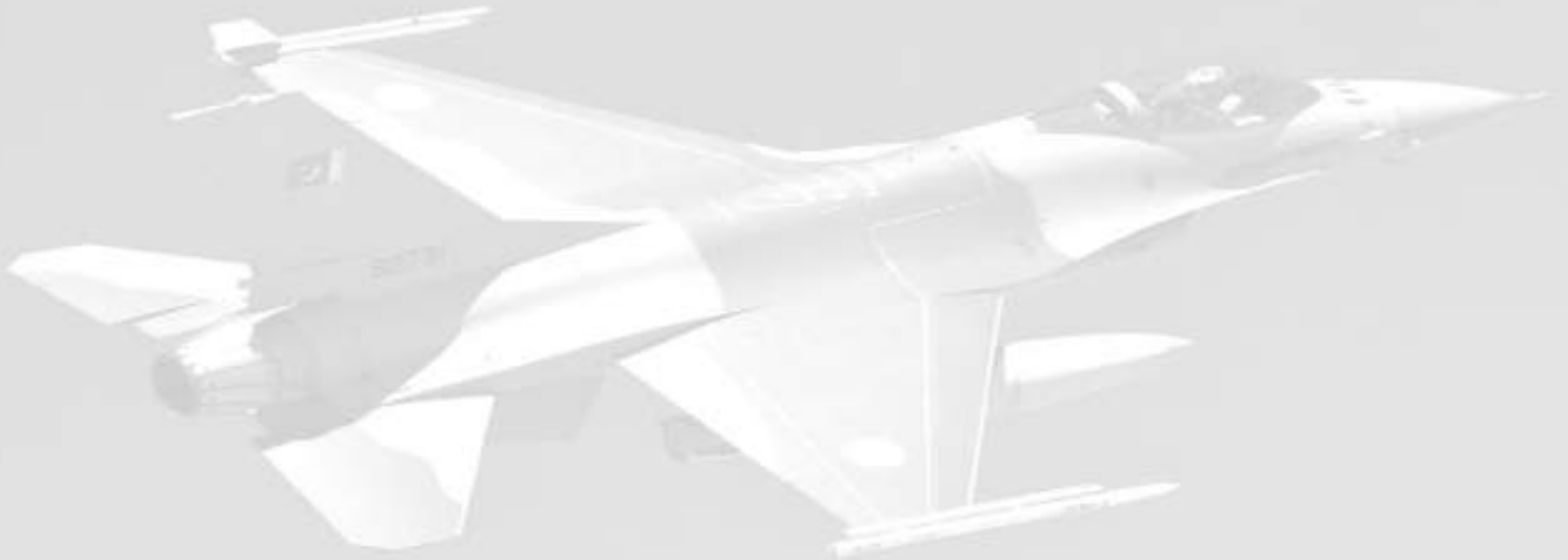
☐ Commercial Off the Shelf (COTS)

- ☐ The trainers are built using many COTS parts therefore can go obsolete at any time
- ☐ Once spares have been procured under the original contract the 'lifespan' of the device has been effectively set
- ☐ After the original spares have been procured, obsolescence is addressed on a part-by-part basis with work-arounds sometimes possible
- ☐ OBS risk analysis / management is not a part of the contract with CAE



Possibility of R&R and Procurement through FMS channel

- ☐ R&R and Procurement can be done through FMS
 - ☐ *Need an LOR for an additional line for R&R*
 - ☐ *New Procurement will need a requirement, LOR and funding*





Program Status

- ☐ Battery bank provided with UPS of 3rd ATD has many faulty batteries
 - ☐ *CAE is still working to identify a qualified local vendor for of batteries*
- ☐ Transportation plan needs to be updated for classified shipments
 - ☐ *Classified disks need to be sent to Pakistan*
 - ☐ *Line expired October 2020*
 - ☐ *Need new line for classified shipments*





BACKUP



Resolution of 3rd ATD FMT Observations

F16 PAKISTAN OBSERVATIONS - AUGUST 2022 - UPDATED 23 January 2023

ITEM #	OBSERVATION	STATUS	PROPOSED RESOLUTION	CLS Tech's Findings / Additional Details about the item	PAF Pilot Findings	Comments - 6 Dec 2022	USG/CAE Mtg 1/23/23
2	Anti-Ice not working properly; FTIT indicator not responding properly during start-up.	OPEN	CLS Technician		After initial rise, no other changes. The indicator is FTIT, #1 on this list.	Anti-ice function is working. Indication of switch position; You see a rise on indicator; There is movement with a change in throttle position. Need to verify with PAF that the issue can be closed.	Need PAF to let USG know if this is still an issue or should this be a closed action.
3	Multifunction Display (MFDs) gain switch not working on Horizontal Situation Display (HSD) page only.	OPEN	CLS Technician		The complaint from pilot was, "It does not work on the map page". Is this the same thing?	By design, gain switch only works with images or video when in HSD mode. Checking if it applies to the maps.	CLS tech to check in different modes and assess how it impacts training.
4	Both MFDs response much too slow, going blank for approximately 3-4 seconds when changing page format	OPEN	CLS Technician	Tried power cycling, problem still remains.	Verified problem.	Researching. Need more pilot feedback.	Need PAF Senior Pilot to review this issue and let the USG know if this is a significant issue to training.
7	On Heads-up Display (HUD) repeater (IOS) bottom line display cutting out	OPEN	CLS Technician	No repeater, need to fix that problem first.		Still troubleshooting the problem with the encoder.	CAE to verify with a spare.



Resolution of 3rd ATD FMT Observations

F16 PAKISTAN OBSERVATIONS - AUGUST 2022 - UPDATED 23 January 2023

ITEM #	OBSERVATION	STATUS	PROPOSED RESOLUTION	CLS Tech's Findings / Additional Details about the item	PAF Pilot Findings	Comments - 6 Dec 2022	USG/CAE Mtg 1/23/23
8	5 DMB cable not available on landing for runway 14/32	OPEN	TBD			This is the SW delivered; Explained that to the PAF; Verifying with PAF that the issue can now be closed.	Need PAF to let USG know how this impacts and if this can be worked during the upgrade.
9	Joint Helmet - Mounted Cueing System (JHMCS) mic not working properly	OPEN	CLS Technician	It is half the volume of the headset mic .	Verified problem.	Verifying if IOS speaker has same issue or just the headset.	Need PAF to let USG know if this is still an issue and with all helmets.
12	Screens going blank and again online continuously with Night Vision Goggles (NVG). Connection with NVG is intermittent and needs to be replaced with new component	OPEN	Hardware/CLS Technician	No NVG. Need to fix the NVG problem first.		Base issue of screens cycling on & off resolved. Now working an issue with facet 1 showing red. All other Facets are working correctly.	Hardware; Parts replaced, need to verify if Combiner issue, but spare unit has been moved from Mushaf to other training facility in Shabaz. Need it to be available on site, then troubleshoot if it is still red.
13	No recovery from inverted stall with stores. Software freezes on recovery from outside.	OPEN	CLS Technician	Was not checked.		Verifying issue with a pilot. Is there a Training impact? This cannot be corrected by the CLS tech.	Closed by PAF (Squadron Leader Saqib) 08 DEC 22.





F-16 PEACE DRIVE



Advanced Integrated Defensive Electronic Warfare Suite (AIDEWS)



Bill Taylor
AFLCMC/WNY

DSN: 468-4140

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PAF AIDEWS Team Members

NAME	TITLE
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Jon Gates	Chief of EW FMS Engineering
Brian Mizell	EW FMS Section Chief
Marlon Barlow	Lead Engineer
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Elijah Billings	Engineer (Pakistan)
Kimberly Morrow	Equipment Specialist
Dion Parkins	Production Management Specialist
LaDavid Dunlap	FM Manager
Cheryl Janssen	PCO



PAF Program Team Members

NAME	TITLE
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Major Guillermo Torres (USG)	Office of the Defense Representative-Pakistan United States Embassy, Islamabad
Project Falcon (Taimoor Virk)	Assistant Project Director 'Avcs'
Project Falcon (Air Commadore Hyder Shahbaz Ali)	Chief Project Director (CPD)
Pakistan SNR (Lt. Col Junaid Malik)	Senior National Representative, PAF



Agenda

- **Blk Cycle ECP/OFP 5.4.1**
- **Blk Cycle 6 Status**
- **Repair & Return**
- **Diminishing Manufacturing Sources (DMS)**
- **AIDEWS Maintenance Process**
- **Repair Order Request**
- **JSECST**
- **Requirements in Work**
- **Program Status**
- **LOA SAF Amend 12 Changes**
- **Sustainment / Planning Schedule**



Blk 5.4.1 Status

- Contract award Feb 2019 (kit preparation by L3Harris)
- In-country LRU-2 upgrades on 'serviceable' assets
 - LRU-2 Jamming (OFP, H/W, F/W updates)
 - Request minimum 2-4 assets be readily available for upgrade to prevent delays
 - Assets inoperable will be upgraded after repair
- In-country upgrade schedule TBD

SCHEDULE	2020	2021	2022	2023	2024	2025
	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
In-country upgrade	▲			▲→		



Operational Flight Program (OFP) 5.4.1 Upgrade

❑ AIDEWS OFP 5.4.1 Upgrade

➤ *SAF Amend 12 added New ECISAP Line 728*

❑ Previous ECISAP line expired Dec 2021 and team was unable to travel

➤ *L3Harris will ship materials into country – PAF to inform ECISAP on arrival of materials & OFP before travel*

❑ L3Harris assets requested to be moved to one central location for upgrade

✓ *Confirm which Base the V4 Bench is located and verify it is fully operational*

❑ Forward planning and working on travel requirements to country

❑ Ltr of Invitation required with scheduled dates – apply for visas

➤ ***ECP 5.4.1 will resolve LRU-1, LRU-2 & PCMCIA issues***

➤ *OFP Delivery: Pilot Pick Up (PPU), Pouch, or SIPR to US Embassy, (Hand-Carry last option)*

➤ *L3Harris is lead on effort – no cost to PAF*



LRU-2 BIT Issue

- Issue with LRU-2 BIT has been discovered
 - When running BIT, the potential for false reading exists giving the indication the system has passed
 - May get a 'Jamming' indication on the DEWD but not actually Jamming giving a false indication that ECM would be outputting even if it's not
 - L3Harris and USG resolution completed
 - ☐ *Latent hardware defect within the LRU-2 requires update*
 - ☐ *Requires OFP, Hardware, and Firmware Updates*
 - This effort will be resolved/updated concurrently with LRU-1
 - Est 4hrs p/LRU-2 for upgrade and testing w/USG oversight
 - Assets in repair will be updated before return to PAF
 - Assets tested on Bench and A/C both before & after Upgrade
 - Recommendation: Perform periodic ground check with PLM-4 and Antennas before each flight to check output of Transmit Antennas

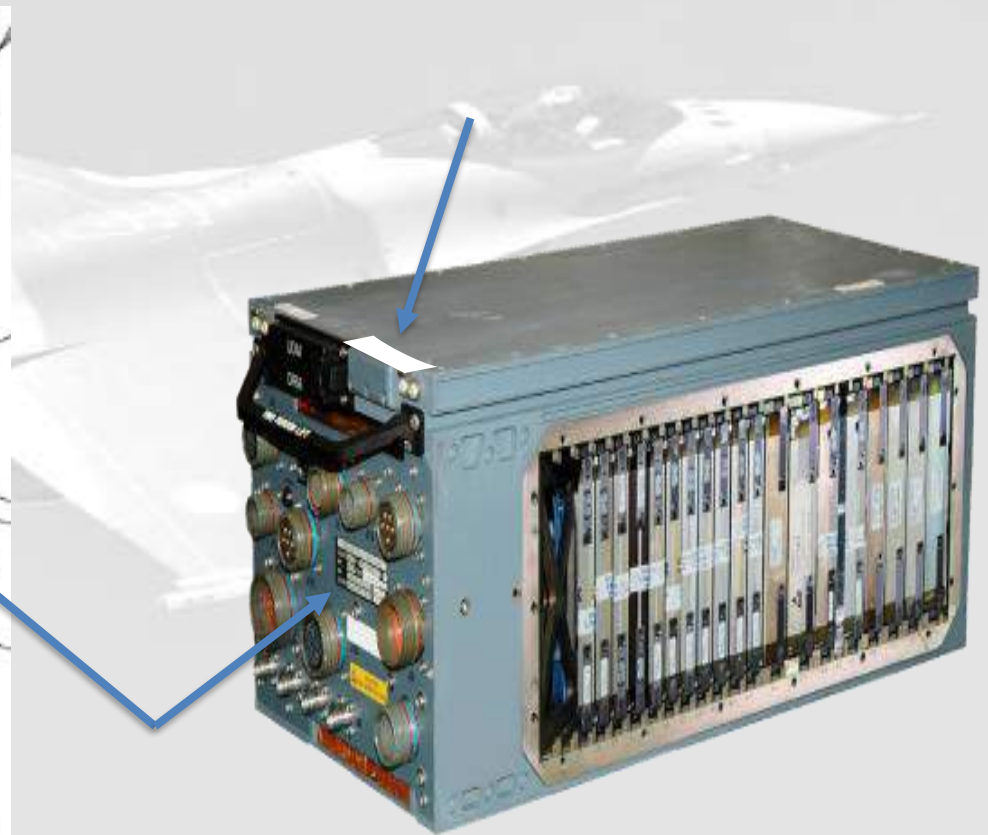
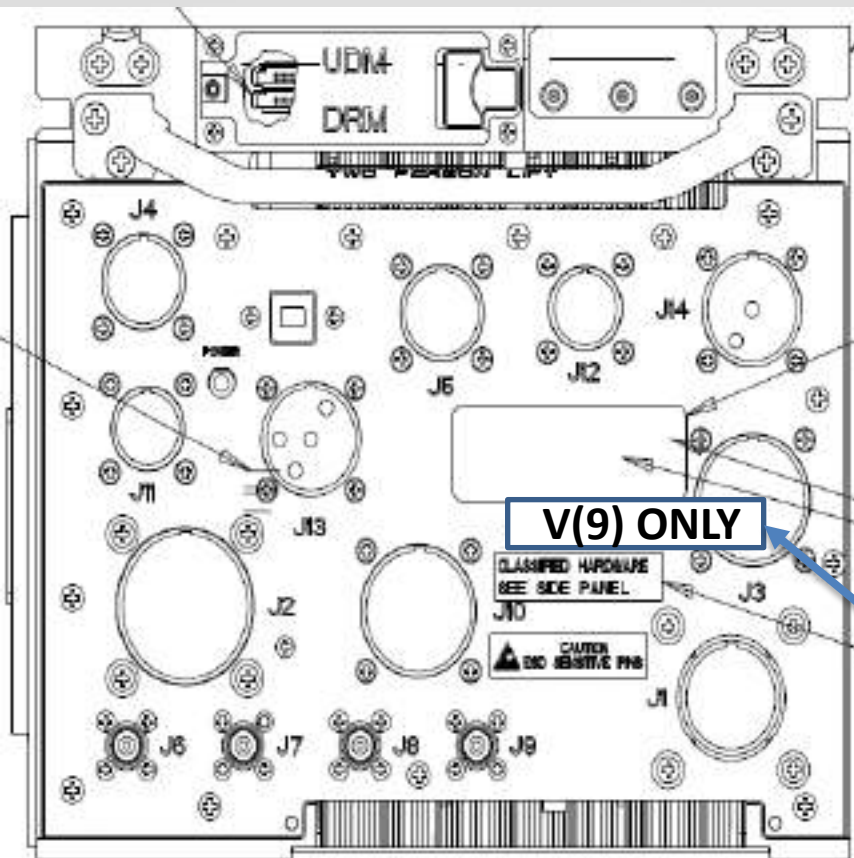


LRU-1 SEM Issue

- DMS issue resulted in requirement of new DR/IF SEM (1A12)
 - *The current 5.3 OFP does not recognize the firmware on the new SEM and will result in a BIT failure*
 - *An OFP update by Harris is required to correct the issue (Interim Update 5.4.1)*
 - ☐ Update and OFP release to USG estimated for March 2018
 - ✓ *New OFP will recognize old & new SEMs*
 - ☐ OFP will be shipped to FACH via Freight Forwarder (notify USG upon delivery)
 - ☐ In-country testing TBD; will be done concurrently with LRU-2 upgrade
 - *PAF should evaluate whether to send in LRU-1 for repair if the 1A12 SEM fails testing on Maintenance Bench*
 - ☐ Consider using serviceable 1A12 from another failed LRU-1
 - ✓ *Send in only the 1A12 SEM for repair*
 - ✓ *SEM may not be repairable due to DMS parts*
 - ✓ *1ea 1A12 repaired and shipped to PAF in 2021*
 - *Current P/N: 2685979G001; New P/N: 4105988G001 (V9)*



LRU-1 Labels





PCMCIA Card

- The PCMCIA card (DRM) may not completely erase memory when the Zeroize command is initiated
 - *DRM card may have remnant data after zeroize executed*
 - Card may contain too much data to fully zeroize within specifications timeframe currently allowed by AIDEWS OFP
 - Remnant data not easily read; requires specific analysis to recover from DRM card
 - DRM card contains only recorded data so OFP/MDF parameters not at risk
 - *OFP update will correct issue by extending time allowed to complete Zeroize function*



OFP 5.4.1 Upgrade Cont.

□ Tentative Schedule and Personnel

➤ Team 1 tentative plan:

- XX XXX - Travel to Pakistan
- USG Team Arriving onsite XX XXX - Marlon Barlow, Lee Adams/Brent McGregor, Elijah Billings, Khoa Nguyen
- L3H Additional Team Arriving onsite - Ken Looney (L3H), Stephen Ericson(L3H), Ken Lighthill (L3H)

➤ Team 2 tentative plan:

- XX XXX - Travel to Pakistan
- XX XXX - Marlon Barlow Departure
- Team 2 Arriving onsite XX XXX - Daniel Bruce, Jacob Hancock
- XX XXX Team 1 Departure - Elijah Billings, Khoa Nguyen

➤ Upgrades Complete

- XX XXX Team 2, USG & L3H Team Departure

➤ Request inventory of ALL LRU-2 assets (further discussion during side-mtg)



LRU-2 Inventory

1105920050
1109620053
1109620055
1109620064
1109620070
1109620076
1109620077
1109620078
1109620086
1109620087
1109620088
1109620089
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1109620091
1109620092
1109620093
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1109620107






V4

1109620108
1109620109
1109620110
1109620111
1109620112
1109620113
1109620114
1109620115
1109620116
1109620117
1109620118
1109620119
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1109620127
1109620128
1109620129
1109620130
1109620160
1109620161
1109620178

V9

1109620206
1109620207
1109620208
1109620209
1109620210
1109620211
1109620212
1109620213
1109620214
1109620215
1109620216
1109620221
1109620222
1109620223
1109620229
1109620230
1109620231
1109620251

LEGEND

	In repair at L3Harris, as of Feb 2023
	In repair in ECISAP Lab
	In shipping to ECISAP
	Transferred to USG as Golden Set at Harris
	Assets in country requiring repair






56ea V(4)

18ea V(9)



Block Cycle 6.0 Planning

- Long Term Sustainment contract for Contractor Engineering Support
 - Blk 6.0 OFP Block Cycle Upgrade, [est contract award Mar 2023](#)
 - Blk 6.0 MDF Update, Delivery & Install
 - Estimated three (3) in-country deliveries 2024 – 2026
 - Delivery includes both OFP & MDF
 - Top 27 update changes provided to PAF during FLO Meeting at Robins AFB during March 2020

SCHEDULE	202	202	202	202	202	202
	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
Blk 6.0 OFP Upgrade		 Contract Award				
Spiral 1						
Spiral 2						
Spiral 3						



Block Cycle 6.0 Con't

■ ALQ-211(V)4 OFP Block Cycle 6.0 Update

➤ *This is a routine OFP Block Cycle update*

➤ *Improvements/corrections have been identified*

- PAF and other ECISAP customer inputs examined PLOGs for selection
- WNY, 68 EWS and L3Harris held June 2018 & Aug 2019 meeting and selected 27 corrections/improvement for L3Harris to perform detailed cost, schedule, feasibility analysis

➤ *Expected to provide significantly improved performance*

➤ *Block Cycle 6.0 Update estimated contract award **March 2023***

➤ *New Spiral contract strategy: 6-8 updates per performance/delivery*

- Funding constraints reduced number of improvements from **27 to 23**
- Future plans are to continue with other updates after add'l funding received
- Quicker deliveries up front



Repair & Return

■ Long Term Sustainment

- *Basic Ordering Agreement (BOA); Contract PoP thru 2023*
 - *Indefinite Delivery Indefinite Quantity (IDIQ); Contract Awarded 2020*
 - *Send assets to ECISAP – Robins AFB, GA for screening*
 - *Send Repair Order Request to PM for review*
 - Include Technician/Maintenance personnel that tested the asset
 - *Monthly Repair Report sent Quarterly to PAF (review ECD, slippages, TAT)*
 - *Recommend NOT send LRU-1s with UDM/RDM cards installed (4 rec'd)*
 - ☐ **PAF decision required to return cards**
 - *ECISAP procuring spare UDM/RDM cards – PAF requirement?*
-
- ALE-47 assets are repaired at Robins AFB Depot
 - *Notify PM before shipping, PM will provide shipping directions*



Repair & Return

■ BOA

➤ 41 Assets

- 25 Completed (3 awaiting Shipment)
- 10 In repair
- 6 BER (All 1A22)

■ IDIQ

➤ 19 Assets

- 9 Completed (2 awaiting Shipment)
- 9 In repair
- 1 BER (1A22)



1A22 Status

1A22	1105700051	DO #4: BER - Awaiting repairs – Request PAF concurrence to finish repair
1A22	1105700056	COMPLETE: Awaiting Shipment
1A22	1105700059	DO #3:: BER - Awaiting repair – Request PAF concurrence to finish repair
1A22	1105700060	DO #4: BER - Awaiting repair – Request PAF concurrence to finish repair
1A22	1105700063	DO #3: BER
1A22	1105700065	WIP
1A22	1105700066	DO #4: BER - Awaiting repair – Request PAF concurrence to finish repair
1A22	1105700067	WIP-ECD 8/31/23
1A22	1105700068	WIP-ECD 3/31/23
1A22	1105700070	DO #2: BER - Awaiting repair – Request PAF concurrence to finish repair
1A22	1105700071	DO #6: BER - Awaiting repair – Request PAF concurrence to finish repair
1A22	1105700075	COMPLETE: Awaiting Shipment
1A22	1105700077	WIP
1A22	1105700121	WIP-ECD 02/28/23
1A22	1105700133	WIP
1A22	1105700143	WIP



Repair Order Request

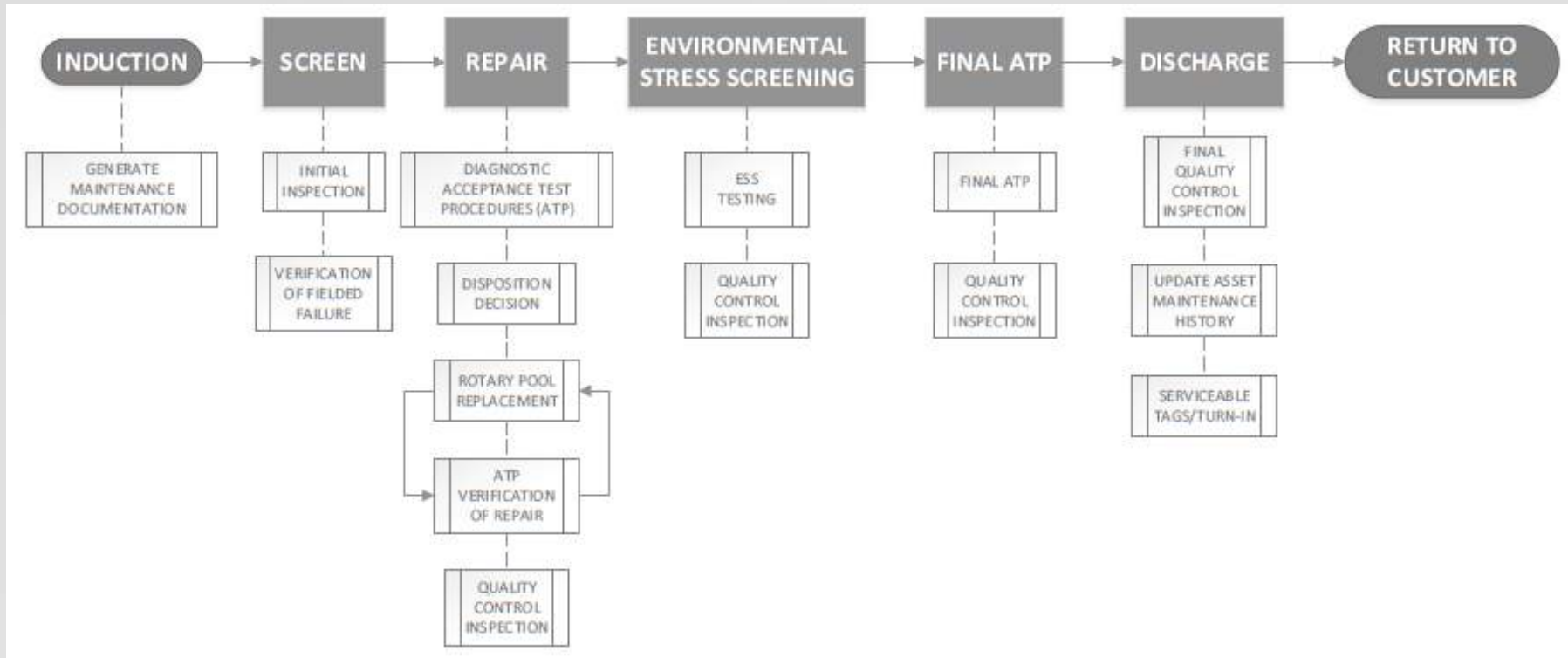
- PAF to fill out Form and send to Prgm Mgr for review
 - *Prgm Mgr to provide DCN if required/requested*
 - *Prgm Mgr to provide est repair cost*
 - *Reduces assets inadvertently being received at ECISAP*
 - *Provides tracking for asset coming to ECISAP*



Microsoft Excel
Worksheet



AIDEWS MAINTENANCE PROCESS





Diminishing Manufacturing Sources

■ SEMs

- 1A12 Digital RCVR IF
- 1A14 DRFM RF
- 1A15 Instantaneous Frequency Measurement (IFM)
- 1A19 Frequency Synthesizer
- 1A20 Frequency Synthesizer
- 1A21 Frequency Synthesizer
- 1A22 Frequency Synthesizer Distribution

■ LRU-3 Antenna Interface Module

■ LRU-4 C/D Band Receiver



Diminishing Manufacturing Sources

■ 1A12 DR/IF SEM

- P/N 2685979G001
- No spares are currently available
- L/T 24-36mo, Est Cost \$1M
- None in repair





Diminishing Manufacturing Sources

■ 1A14 SEM


- P/N 2682278G001
- Redesign required
- If SEM failure is the DMS part, it cannot be repaired – condemn
- None in repair

■ 1A15 SEM

- P/N A3290251-1
- API OEM & SOR for current 1A15
- Mercury qualified as second source for production & repair, new P/N 4100792G001
 - Cannot repair API's SEM
- L/T 18mo, est cost \$1M for single SEM
- 2ea Shipped, 2ea awaiting shipment
- 2ea in repair



Diminishing Manufacturing Sources

- 1A19 SEM
 - 1A20 SEM
 - 1A21 SEM
- 
- Universal Frequency Synthesizer SEM
- L3Harris not able to build any more spares
 - Redesign required: contracting efforts in-work
 - New SEM can replace any of the three older SEMS (multifunctional)
 - Combines all three SEMs into one universal multifunctional SEM
 - LRU-1 still requires all three slots to be filled
 - Est L/T & cost TBD
 - Assets in repair
 - 2ea - 1A19
 - 1ea - 1A20
 - None - 1A21



Diminishing Manufacturing Sources

■ LRU-3

- Cobham previous OEM & SOR – no longer producing or repairing assets

- P/N 5865015130273

- Qualifying new manufacturer Mercury

- Qualification in process – Apr 2023
- Cannot repair Cobham assets
- New procurement cost & L/T TBD
 - ✓ P/N 2682264G002

- PAF has 2ea BER assets



Diminishing Manufacturing Sources

■ LRU-4

- Teledyne current OEM/SOR – no longer producing or repairing assets due to DMS & age
- P/N 2682266G001
 - 5ea BER assets in for repair
- Mercury second SOS/SOR
 - Currently cannot build any additional assets due to DMS
 - LRU-4 production assets may be available in near future
 - New redesign asset completed for another program
 - ✓ Requires integration & testing for V(4) AIDEWS



AIDEWS COMPREHENSIVE SUSTAINMENT PROGRAM



- *Program shift in lead integrator role*
 - ECISAP will perform hardware and software sustainment
 - L3 Harris will perform repairs “as required”
 - L3 Harris remains as prime contractor for production efforts
- *Perform Technology Refresh (SDAF Funds)*
 - Address system Obsolescence/DMS and extend AIDEWS service life
 - Redesign of LRUs and SEMs
 - Improve system reliability, increased TAT
- *Establish repair capability at Robins AFB in Bldg. 231 lab*
 - Establish depot parts lay-in pool (SDAF Funds)
 - Reduce repair turn-around-time (TAT) to 5-7 months (currently min 18-24 months)
- *Establish DMS/Obsolescence monitoring & resolution program*
 - Proactive approach to identify potential future concerns/issues



JSECST Status

■ JSECST Repair and Upgrade

➤ *Textron has 5 Units, 3 Accessory Kits & 4 Upgrade Kits*

❑ 4 Units need to be upgraded with Kits – all Kits delivered

➤ *Initial assessment and repair takes approx. 8 months*

❑ 2ea Testers completed and shipped

✓ *1ea 670 s/n 378 & 1ea 670A s/n 492*

❑ 3ea Testers in-work, all will receive Upgrade Kit

✓ *Working to expedite 2 testers (no extra cost or contract Mod required)*

➤ *PAF will be required to procure and replace 4ea kits to ECISAP*





JSECST Status

- ☐ 1) JSECST 670 CTS System PN 37534-40001-20 SN 000378: Not Upgraded
Shipped to FF by Textron on 06/29/2022. FedEx Tracking Number 132391415520
- ☐ 2) JSECST 670A CTS System PN 40469-40001-20 SN 000492: Upgraded
Shipped to FF by Textron on 09/07/2022. FedEx Tracking Number 132391417420
- ☐ 3) JSECST 670 CTS System PN 37534-40001-20 SN 000477: Upgrade in-work
Materials for repair late to need – rec'd 09/07/2022, repair in process. Potential for additional issues to be identified once repair is completed. Unit Received in full (with accessory case) 04/04/2022. Contractual Due Date for Completion of Repair and Upgrade is 07/03/2023.



JSECST Con't

❑4) JSECST 670 CTS System PN 37534-40001-20 SN 000491: Upgrade in-work

This unit is currently experiencing continued issues in the **RF Controller**. If Textron is unable to complete the existing RF Controller this repair will be on hold pending the release of the new ECP Part number for the RF Controller due next month and then the subsequent lead time needed to procure the newly released part and any software related impacts. At this point troubleshooting continues. Unit Received in full (with accessory case) 04/04/2022. Contractual Due Date for Completion of Repair and Upgrade is 07/03/2023.

❑5) JSECST 670 CTS System PN 37534-40001-20 SN 000267: Upgrade in-work

This is the final unit that will be upgraded. This unit is currently awaiting material needed for additional repairs identified. This is the longest pull repair with material not due into Textron until March of 2023. Unit Received in full (with accessory case) 04/04/2022. Contractual Due Date for Completion of Repair is 04/04/2023. If we receive the upgrade kit before the 04/04/2023 date the due date for the upgraded unit will be 07/03/2023. ** Upgrade kit sent from ECISAP to Textron Feb 2023.



Requirements In-Work

■ AIDEWS Basic Course

➤ *Presentation provided by Robins ECISAP*

- Course material will be sent to PAF for review & comment
 - Aircrew: 1 week
- Back Shop / Maintenance: 2 weeks+
- Proposed time 3rd Qtr - TBD 2023
- 2-3 months L/T required for printing & shipping materials



Requirements In-Work

■ MDFGy ICR STE update XP to Windows 10

- *Required due to end-of-life Microsoft support*
- *Currently operating with Microsoft Window XP & Server 2008 (exp Jan 2020)*
- *Used to develop & test AIDEWS MDF created by PAF reprogramming eng*
- *Technical requirements have been developed to upgrade AIDEWS MDFGy & STE to Windows 10 & Server 2016*
 - Reduces requirement for retraining of personnel
 - No OFP or MDFx changes required for compatibility
 - No planned MDF Delivery Update
 - New Toughbooks & cables included
 - **Contract awarded May 2021**
 - **Estimated delivery & in-country testing late 2023**
- *Assets to be delivered:*

MDFG PC	MDFG Laptop	STE PC	F/L Laptop	Cables & Peripherals
1	1	2	3	3



Program Status

Way Forward

- ECP / OFP 5.4.1 LRU-2 Upgrade late 2023
- AIDEWS Familiarization Course
 - *Send Course material to PAFR for review*
 - *Print & ship materials*
 - *Course dates TBD – est. late 2023*
- MDFGy H/W & S/W delivery, set up and testing
- Acquire ROM data for spares procurement when available
- Increase Depot throughput for repaired assets
- SDAF contract requirements such as DMS, Redesign, Depot Lay-in efforts for increased sustainment & operability
- Discuss PAF concerns in side-meeting (Items sent in from PAF)

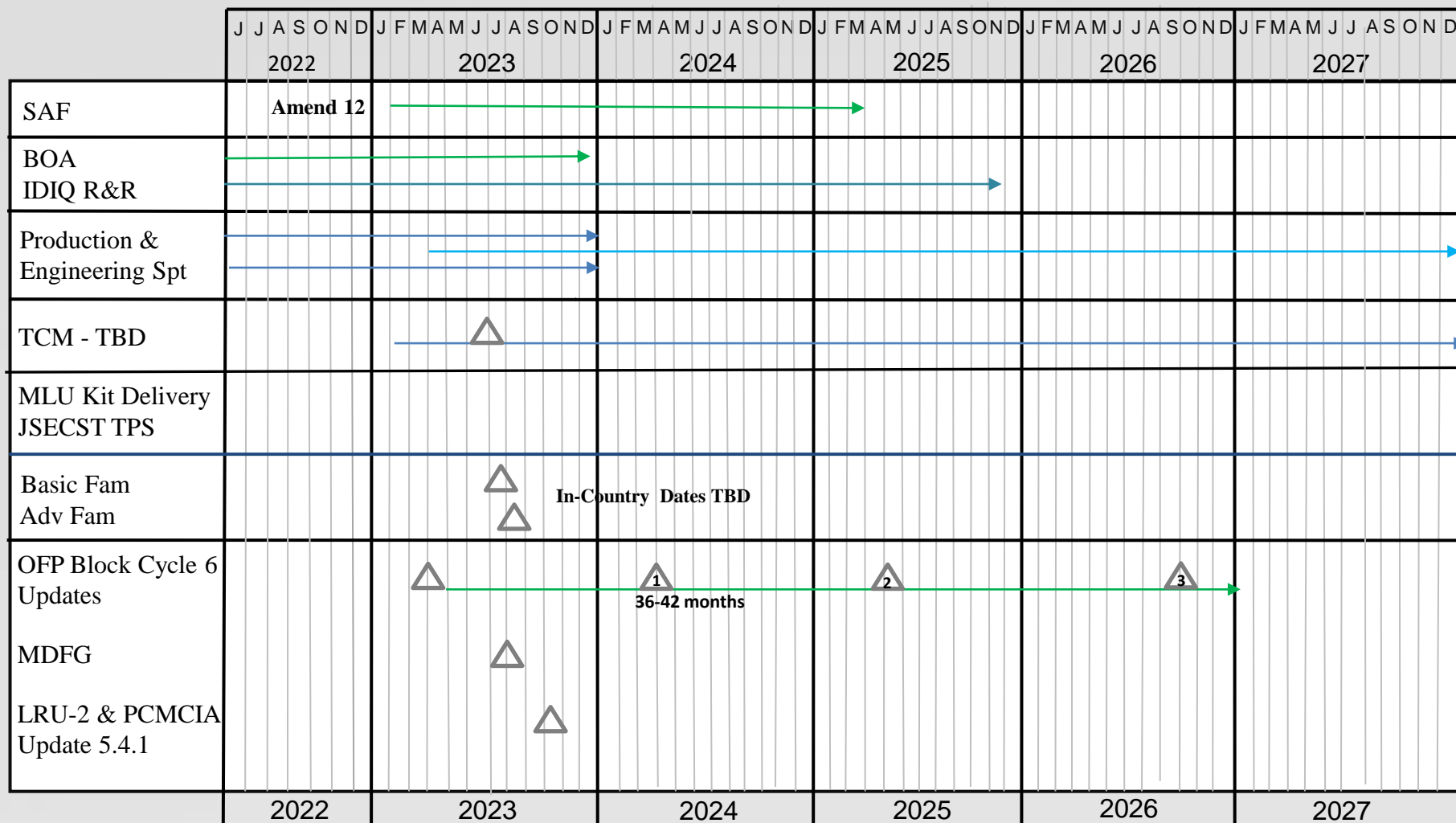


Amendment 12 Changes

- ❑ 134/SFD – UnClass Spares, Reduced LV, did not extend PoP (exp Jan 22)
- ❑ 143/SFM – Class R&R, reduced LV, PoP Indef (Line 062 available)
- ❑ 154/SFX - UnClass Spares, PoP Indef, New Line, added ELV, replaces 134/SFD
- ❑ 148/SFR – Spt & Test Equip, Reduced LV, did not extend PoP (exp Dec 21)
- ❑ 149/SFS – Spt & Test Equip: Ext PoP, replaces Line 067
- ❑ SFV - Class Spares, New Line, PoP Indef, Deleted 124/SET
- ❑ SFY – Weapon Spt Equip, New Line, replaces 148/SFR,
- ❑ 704/715/717 – ECISAP, decreased LV, no PoP ext (all lines expired)
- ❑ 728 – ECISAP, New Line, replaces 704/715/717 (**Feb 23-Jun 24**)*
- ❑ 709 – Ctr Eng Spt: Reduced LV, no PoP ext (exp Dec17)
- ❑ 141/SFK – Ctr Eng Spt: Reduced LV, PoP exp – **Mod to ext PoP in-work**
- ❑ 727 – SDAF, New Line for Tech Refresh/DMS (**Mod in-work to add SDAF in Note**)
- ❑ SFW – SDAF, New Line, Depot Lay-in, PoP Indef



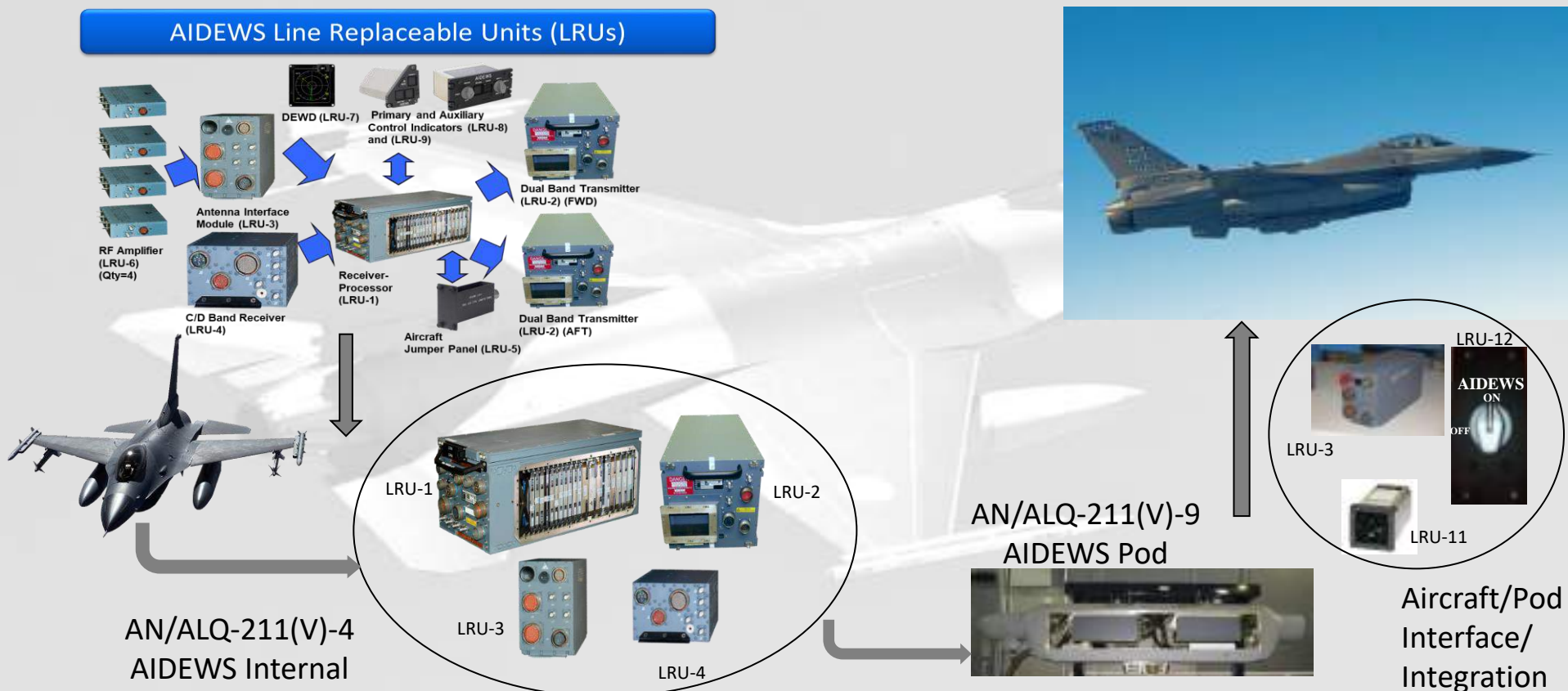
Sustainment Planning/Implementation Schedule





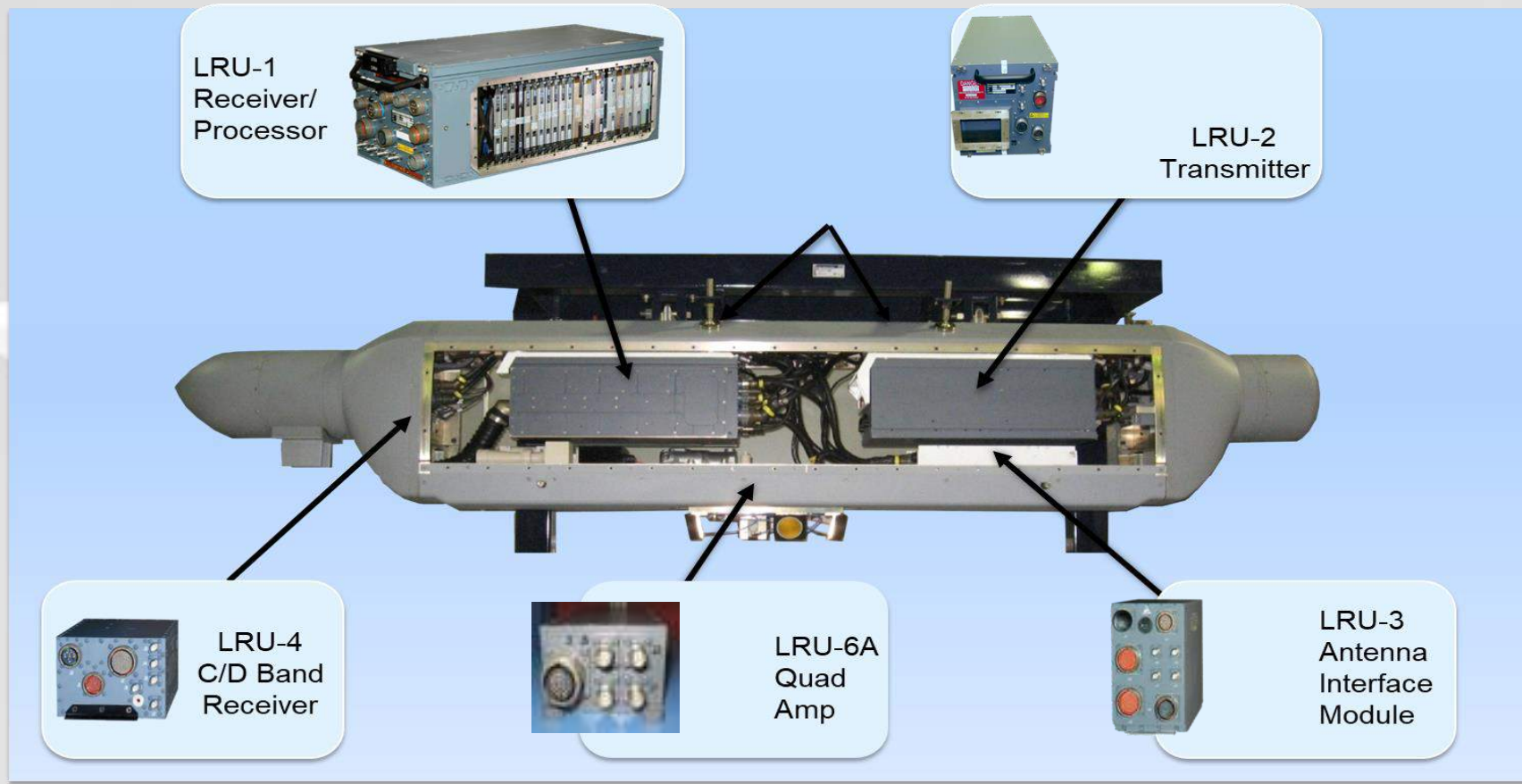


AIDEWS System Description





ALQ-211(V)-9 Pod





F-16 PEACE DRIVE

PAKISTAN SNIPER PROGRAM



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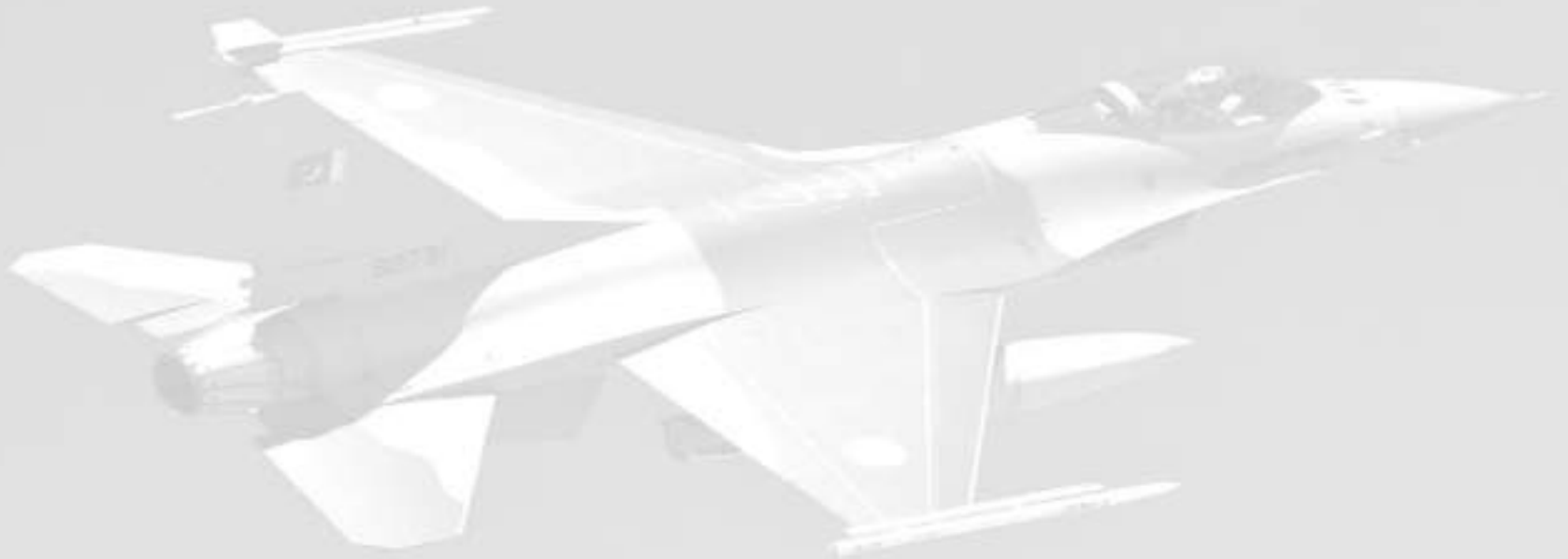
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Sniper Sustainment





Sustainment Program Scope

- ☐ **Current Sustainment PoP: 1 Apr 2022 – 31 Mar 2023**
 - ☐ ***Sustainment Requirements Contract in place for one year period through Mar 2023***
 - ☐ Program Support Management and PMRs
 - ☐ Repair and Return
 - ☐ On Call Technical Support – PoP expired 31 January 2023
 - ☐ Data
- ☐ **Sustainment Requirements 5 Year Follow-On**
 - ☐ ***Follow-On Sustainment is for additional 4-one year periods through Mar 2027***
 - ☐ Program Support Management
 - ☐ Program Management Reviews
 - ☐ Repair and Return
 - ☐ On Call Technical Support
 - ☐ Data



LOA Status

☐ LOA cases/lines used for Sustainment

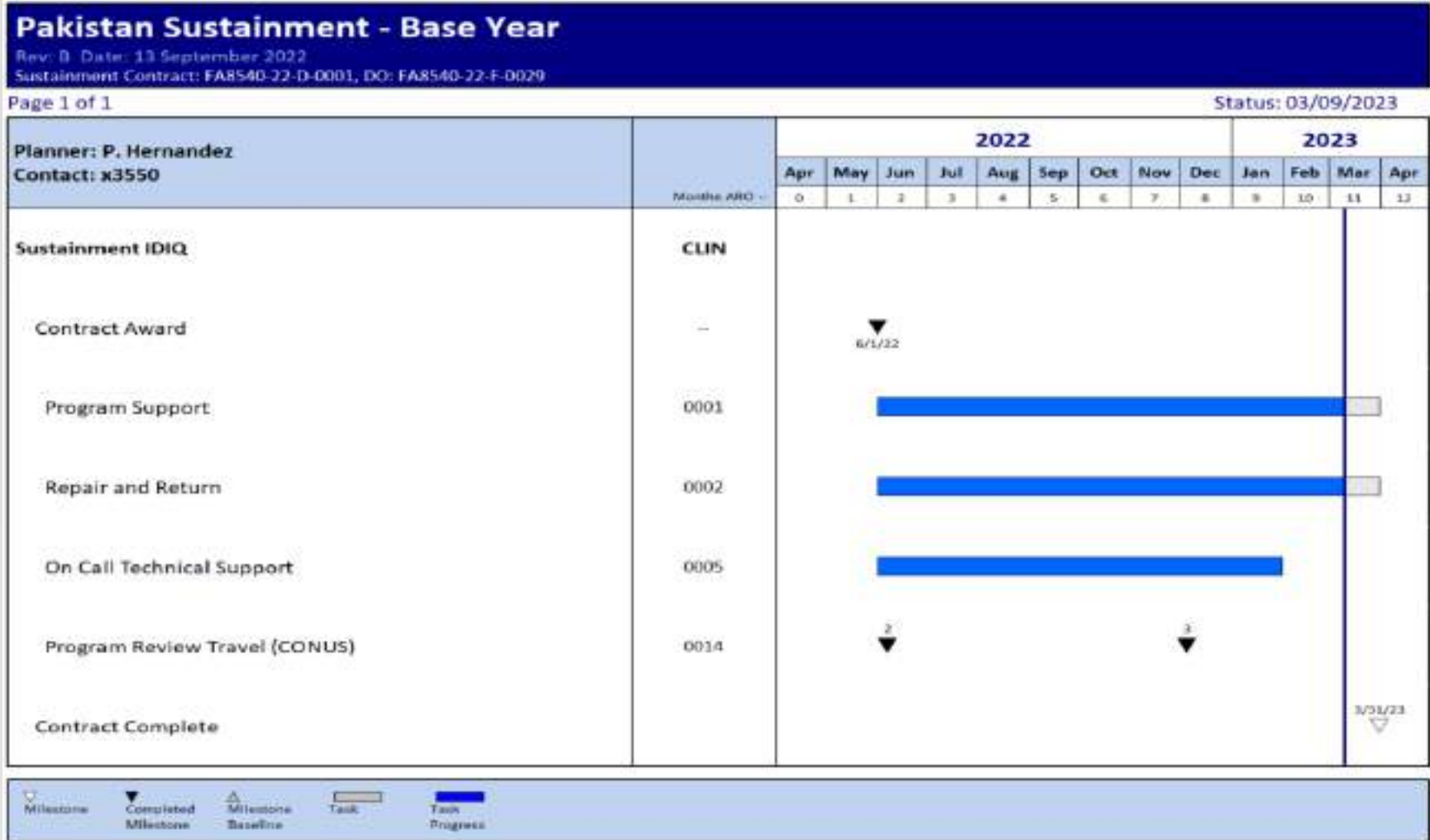
- ☐ *PK-D-SAF-SEO – Used for Repair & Return – Blanket line*
- ☐ *PK-D-NAP-723 – Used for PMRs, Program Support & On-Call Tech Support – Expires May 2024*

☐ LOA cases/lines used for Procurement

- ☐ *PK-D-NAP-723 – Used for PMRs, Program Support & On-Call Tech Support – Expired May 2024*
- ☐ *PK-D-NAP-NEJ – Used for Spares – Blanket line*
- ☐ *PK-D-NAP-NEL – Used for O-Level Support – Blanket line*
- ☐ *PK-D-NAP-NEP – Used for CSTOS – Blanket line*
- ☐ *PK-D-NAP-NEJ – Used for Spares – Blanket line*



Sustainment Program Schedule





Sustainment Repair Summary

	Total TAT Days Allowed	Total Actual TAT Days	Repairs Completed	Contract Allowed TAT	85% of Contract TAT	Actual TAT Average	CLIN Value Remaining
Base YR	390	112	4	98	83	28	\$ 304,702



Sustainment Repairs

BASE YEAR

NSN/ Part Number	Nomenclature	Serial Number	Date Received	85% Return Date Requirement	PWS Turn-Around- Time Date	150% Turn-Around-Time Limit	Estimated Completion Date	Actual Complete Date	PWS Turn- Around- Time	85% Turn- Around- Time Goal	Actual Turn- Around- Time	Failure Verified (Yes/No)	Failure Description	Depot Action	Document Control Number	Comments
77425040-029	FWD P/S-B	493910503	2-Nov-22	12-Feb-23	2-Mar-23	1-May-23	11-Feb-23	15-Nov-22	120	102	13	Yes	MFL 038, 213, 115 and LST Fail	Replaced multiple faulty electronic componenets	DPKGES22567234	Repair Complete. CoC in work
77423100-009	Gimbal	493910381	3-Nov-22	18-Jan-23	1-Feb-23	18-Mar-23	16-Jan-23	11-Jan-23	90	77	69	Yes	MFL 020, 025, 116 and 118 during SBIT	Replaced 4-6 Assy. Set Axis', Coned, Balanced. Passed all tests	DPKGES22567232	Repair Complete. CoC in work.
77424200-029	FLIR Optics	493910371	3-Nov-22	24-Dec-22	2-Jan-23	1-Feb-23	20-Dec-22	18-Nov-22	60	51	15	Yes	MFL 112, 015, 025 during SBIT	Replaced Drive Shaft	DPKGES22567233	Outbound 1/12/23. Shipment Invoice # 759217
77454012-001	Laser	493910246	3-Nov-22	22-Apr-23	22-May-23	30-Aug-23	22-May-23		200	170			LSR INTERMITTENT DURING FLIGHT		DPKGES22567230	
77425040-029	FWD P/S-B	493910512	3-Nov-22	13-Feb-23	3-Mar-23	2-May-23	11-Feb-23	18-Nov-22	120	102	15	Yes	MFL 025 AND 213 DURING FLIGHT	Replaced faulty MOSFET (U7) and faulty resistors (R53, R80) on A2 CCA.	DPKGES22567231	Outbound 1/12/23. Shipment Invoice # 759225
77434500-009	IDCA	493910499	13-Feb-23	26-May-23	13-Jun-23	12-Aug-23			120	102			TGP IMAGERY GAINY (DEAD PIXELS IN FLIR VIDEO)		DPKGES23127230	
77434500-009	IDCA	493910445	13-Feb-23	26-May-23	13-Jun-23	12-Aug-23			120	102			FLIR FAIL WITH MFL 025, 116		DPKGES23127231	
77437170-009	MVP ECA	493910301D	13-Feb-23	2-Aug-23	1-Sep-23	10-Dec-23			200	170			SNIPER POD WITH MFLS 040,023,032,025,017 DURING FLIGHT		DPKGES30037230	
77421555-001	ECU Fan	493910873	13-Feb-23	2-Aug-23	1-Sep-23	10-Dec-23			200	170			GROUND FAN U/S WITH ABNORMAL NOISE		DPKGES30037233	
77437170-009	MVP ECA	493910250	13-Feb-23	2-Aug-23	1-Sep-23	10-Dec-23			200	170			PILOT REPORTED TGP VIDEO FAIL WITH MFL 040 & 314		DPKGES23417230	
77437170-009	MVP ECA	493910135	13-Feb-23	2-Aug-23	1-Sep-23	10-Dec-23			200	170			AFTER LANDING TGP MFL 040, 007, 015, 032, 035		DPKGES23417231	
77424900-089	Laser Optics	493911229	13-Feb-23	5-Apr-23	14-Apr-23	14-May-23			60	51			MFL 025, 118 WITH ERROR CODE 1270 ON PMA, A470 BORE SITE STAUS		DPKGES23417233	
77424900-089	Laser Optics	493911153	13-Feb-23	5-Apr-23	14-Apr-23	14-May-23			60	51			MFL 025, 118 DURING BIT CHACK. ERROR CODE 1270 ON PMA AUTO BORE SITE PAGE AGAINST MARKER		DPKGES23417234	Awaiting Induction
77434500-009	IDCA	493910504	13-Feb-23	26-May-23	13-Jun-23	12-Aug-23			120	102			IN AIR FLIR FAIL WITH MFL 015. AFTER IBIT FLIR FAIL WITH MFL 015, 114		DPKGES30037232	Awaiting Induction
77434500-009	IDCA	493910879	13-Feb-23	26-May-23	13-Jun-23	12-Aug-23			120	102			TGP MFL 015 & 114 WITH BLUR AND LINES IN VIDEO		DPKGES30037231	Awaiting Induction
77424200-039	FLIR Optics	493910371	INBOUND	INBOUND	INBOUND	INBOUND			60	51						



Pakistan Obsolescence Status

Affected LRU	Obsolete Part(s)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Comments:
Aft P/S ECA	Various											<ul style="list-style-type: none"> Production – FFF Cut-in 3Q2022 Sustainment – QOH supports approx. 1 year, CE researching alternates
SC/TC ECA	Various											<ul style="list-style-type: none"> Production – New Design Cut-in 4Q2024, Need New Design Aft P/S ECA Sustainment – OFP impact with new design; QOH supports >10 years
LST/TV	Various											<ul style="list-style-type: none"> Production – New Design Cut-in 4Q2024 Sustainment – OFP impact with new design; Will need 2.0 SC/TCs, QOH supports >10 years
FWD P/S-B	Various											<ul style="list-style-type: none"> Production – FFF Cut-in 2Q2021 Sustainment – QOH supports approx 1 year, CE researching alternates
DCI	Host Adapter											<ul style="list-style-type: none"> Production – N/I; Not required with New DDR Design, Cut-in 4Q2020 Sustainment – QOH supports approx. 1.5 years

Updated 02/09/2023

- Production Mitigation: Completed, New design available.
 Sustainment Impact: Projected stock availability
 Obsolescence Decision Point: Execute plan for LTB or Redesign



Pakistan Mitigation Status

Affected LRU	Obsolete Part(s)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Comments:
FWD P/S-A	Various					▲						<ul style="list-style-type: none"> Production – Form, Fit, Function (FFF) Cut-in 3Q2019 Sustainment – QOH supports approx. 1 year, CE researching alternates
FWD P/S-B	Various			▲								<ul style="list-style-type: none"> Production – FFF Cut-in 2Q2021 Sustainment – QOH supports approx. 1 year, CE researching alternates
LOS ECA	Various										▲	<ul style="list-style-type: none"> Production – New Design Cut-in 2017 Sustainment –OFP impact due to specific microcircuit, Repair On Best Effort Basis
MSI	Various					▲						<ul style="list-style-type: none"> Production – New Design Cut-in 2013, Replaced by MVP Sustainment – OFP impact, QOH supports >10 years
DCI	Host Adapter										▲	<ul style="list-style-type: none"> Production – N/I; Not required with New DDR Design, Cut-in 4Q2020 Sustainment – QOH supports approx. 1.5 years
DDR	Memory										▲	<ul style="list-style-type: none"> Production – New Design Cut-in 4Q2020 Sustainment – Backwards compatible, nuisance error if OFP not updated; QOH supports >10 years
IDCA	Various											<ul style="list-style-type: none"> Production – New Design Cut-in 2012, Replaced by 1K IDCA Sustainment – QOH supports >10 years
ECAs: Dual Focus Laser Risley Pitch Roll Yaw	Various										▲	<ul style="list-style-type: none"> Production – FFF ECAs available Sustainment – QOH supports >10 years

- ▲ Production Mitigation: Completed, New design available.
 ▲ Sustainment Impact: Projected stock availability
 ▲ Obsolescence Decision Point: Execute plan for LTB or Redesign



On-call Technical Support

Technical Queries (TQs)

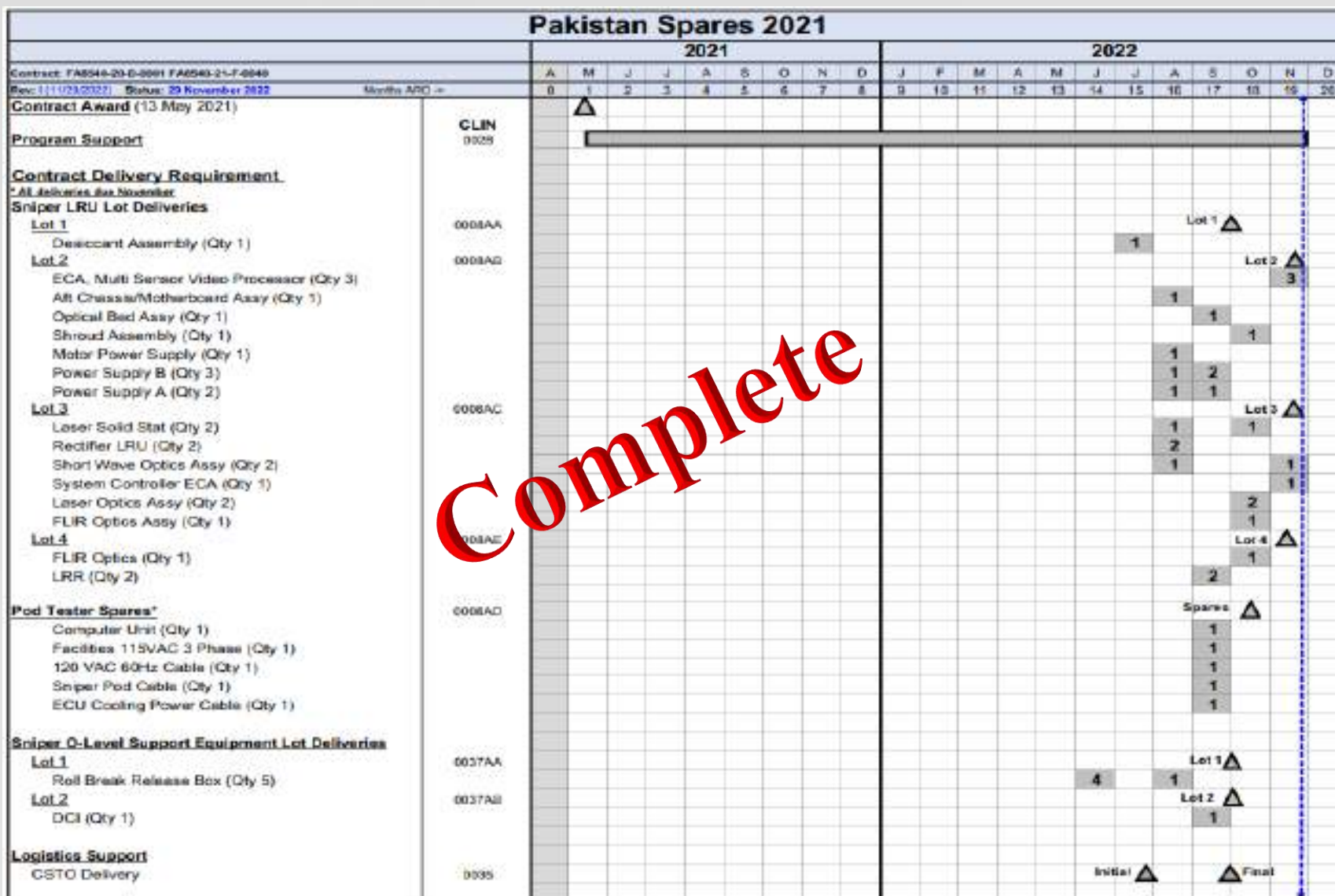
- **Recent Technical Queries**

- **Laser Optics Assembly**

- Addressed concerns over long term failure rate of Laser Optics Assemblies.
 - Ten (10) questions were directed towards LMMFC concerning reliability, maintenance and self test functions of the Laser Optics Assemblies.
 - LMMFC responded to all 10 questions and provided below recommendations for maintaining Laser Optics assemblies on 18 January 2023.
 - Be mindful of any contamination (dust, water spots, fingerprints, etc.) on the surface of the optical components
 - Ensure that the desiccant assembly and desiccant cartridges are maintained and replaced if required in accordance with tech data



Spares 2021 Buy Schedule





Spares 2021 Buy

Part No	Nomenclature	Total	Lot	Contract Date	S/N	DD250 Date	FF Notified	Shipper	Tracking	Delivered to FF
77420300-029	ROLL BREAK RELEASE BOX (RBRB)	1	1		10344	9/28/2022	11/9/2022	744662	770445767527	11/14/2022
77420300-029	ROLL BREAK RELEASE BOX (RBRB)	1	1	11/30/2022	10345	9/28/2022	11/9/2022	744662	770445767527	11/14/2022
77420300-029	ROLL BREAK RELEASE BOX (RBRB)	1	1	11/30/2022	10346	9/28/2022	11/9/2022	744662	770445767527	11/14/2022
77420300-029	ROLL BREAK RELEASE BOX (RBRB)	1	1	11/30/2022	10347	9/28/2022	11/9/2022	744662	770445767527	11/14/2022
77420300-029	ROLL BREAK RELEASE BOX (RBRB)	1	1	11/30/2022	10348	9/28/2022	11/9/2022	744662	770445767527	11/14/2022
77430350-019	INTERFACE ASSY, DDC	1	1	11/30/2022	10287	9/28/2022	11/9/2022	744671	770445767527	11/14/2022
TE-7456340001-1A2	Computer Unit	1	1	11/30/2022	N/A	10/12/2022	12/14/2022	744704	EVL4878PU	12/19/2022
TE-7456340006	Facilities 115VAC 3 Phase	1	1	11/30/2022	N/A	10/12/2022	12/14/2022	744704	EVL4878PU	12/19/2022
TE-7456340007	120 VAC 60Hz cable	1	1	11/30/2022	N/A	10/12/2022	12/14/2022	744704	EVL4878PU	12/19/2022
TE-7456340009	Sniper Pod cables	1	1	11/30/2022	N/A	10/12/2022	12/14/2022	744704	EVL4878PU	12/19/2022
TE-74563400011	ECU Cooling Power Cable	1	1	11/30/2022	N/A	10/12/2022	12/14/2022	744704	EVL4878PU	12/19/2022
77422185-001	DESICCANT ASSEMBLY	1	1	11/30/2022	11769	9/26/2022	11/7/2022	744654	770424137081	11/10/2022
77422100-019	SHROUD ASSEMBLY	1	2	11/30/2022	11628	11/23/2022	2/28/2023 - E	762966		
77437170-009	ECA,MULTI SENSOR VIDEO PROCESS	1	2	11/30/2022	11218	11/23/2022	2/28/2023 - E	762966		
77437170-009	ECA,MULTI SENSOR VIDEO PROCESS	1	2	11/30/2022	11206	11/23/2022	2/28/2023 - E	762966		
77437170-009	ECA,MULTI SENSOR VIDEO PROCESS	1	2	11/30/2022	11222	11/23/2022	2/28/2023 - E	762966		
77427000-019	AFT CHASSIS/MOTHERBOARD ASSY	1	2	11/30/2022	11538	11/23/2022	2/28/2023 - E	762966		
77425040-039	POWER SUPPLY B	1	2	11/30/2022	11699	11/23/2022	2/28/2023 - E	762966		
77425040-039	POWER SUPPLY B	1	2	11/30/2022	11713	11/23/2022	2/28/2023 - E	762966		
77425040-039	POWER SUPPLY B	1	2	11/30/2022	11700	11/23/2022	2/28/2023 - E	762966		
77427100-029	MOTOR POWER SUPPLY	1	2	11/30/2022	11704	11/23/2022	2/28/2023 - E	762966		
77424100-019	OPTICAL BED ASSY	1	2	11/30/2022	11737	11/23/2022	2/28/2023 - E	762966		
77425020-029	POWER SUPPLY A	1	2	11/30/2022	12061	11/23/2022	2/28/2023 - E	762966		
77425020-029	POWER SUPPLY A	1	2	11/30/2022	12063	11/23/2022	2/28/2023 - E	762966		
77424900-089	LASER OPTICS ASSY	1	3	11/30/2022	11764	11/23/2022	2/28/2023 - E	763247		
77424900-089	LASER OPTICS ASSY	1	3	11/30/2022	11762	11/23/2022	2/28/2023 - E	763247		
77454012-002	LASER SOLID STAT	1	3	11/30/2022	11730	11/23/2022	2/28/2023 - E	763247		
77454012-002	LASER SOLID STAT	1	3	11/30/2022	11876	11/23/2022	2/28/2023 - E	763247		
77427040-069	RECTIFIER LRU	1	3	11/30/2022	11716	11/23/2022	2/28/2023 - E	763247		
77427040-069	RECTIFIER LRU	1	3	11/30/2022	11725	11/23/2022	2/28/2023 - E	763247		
77424600-019	SHORT WAVE OPTICS ASSY	1	3	11/30/2022	11691	11/23/2022	2/28/2023 - E	763247		
77424600-019	SHORT WAVE OPTICS ASSY	1	3	11/30/2022	11686	11/23/2022	2/28/2023 - E	763247		
77424200-039	FLIR OPTICS ASSY	1	3	11/30/2022	11750	11/23/2022	2/28/2023 - E	763247		
77437250-029	SYSTEM CONTROLLER ECA	1	3	11/30/2022	11904	11/23/2022	2/28/2023 - E	763247		
77424300	LRR	1	4	11/30/2022	11780	11/16/2022	12/14/2022	751064	EVL4878PU	12/19/2022
77424300	LRR	1	4	11/30/2022	11782	11/16/2022	12/14/2022	751064	EVL4878PU	12/19/2022
77424200-039	FLIR OPTICS ASSY	1	4	11/30/2022	11752	11/16/2022	12/14/2022	751064	EVL4878PU	12/19/2022





F-16 PEACE DRIVE

MIDS Foreign Military Sales (FMS) Case Overview



Vickie Webb
FMS Case Manager

Controlled by: Department of the Navy
Controlled by: PEO C4I
Controlled by: PMA/PMW-101
CUI Category(ies): INTL
Distribution/Dissemination: REL TO
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POC: Vickie Webb, 619-524-1603

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Platform Modernization Summary

Platform	Modernization Path	FMS case	LOA status	Deliver Status
F-16	MIDS JTRS	PK-D-NAP	LOA Pending	TBD

PLATFORM	CY20	CY21	CY22	CY23	CY24	CY25
Pakistan						
F-16	BU1			JTRS		

Capability Key No Link 16 MIDS-LVT BU1 MIDS-LVT BU2 MIDS JTRS



PMR-24 Agenda points: MIDS

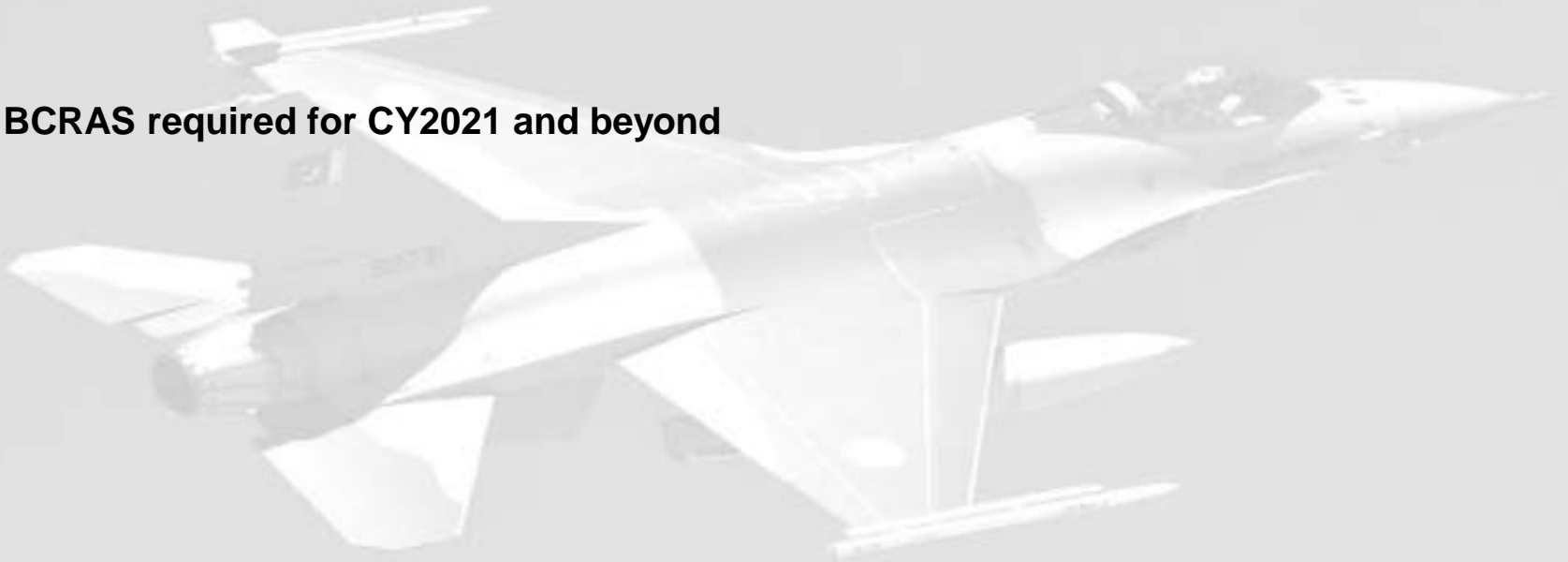
- ☐ Action: Repair Services of MIDS LVT -24 June 2021
- ☐ S.No - 81: Repair Services of MIDS LVT
 - ☐ Details: *PAF has been maintaining MIDS LVT utilizing USAF FMS Case PK-D-NAP. Owing to expiring of PoP and consumption of funds, same is catered in the Big Q case. PAF is pursuing this -QAP case for sustainment of their F-16 fleet and all requisite services including MIDS Sustainment. MIDS PO has initiated sustainment of MIDS LVT for sometime now. PAF would like to extend the repair contract of MIDS in this regards*
 - ☐ MIDS Program Office is in agreement with the USAF maintaining sustainment of MIDS repair services, as MIDS LVT repair contract is managed and maintained by USAF team located at Warner Robbins.



BCRAS Analysis

Case/Year	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
PK-D-NAP	X	X										
PK-D-XXX			234K	234K	234K	234K						

☐ BCRAS required for CY2021 and beyond





MIRB

- ☐ Pakistan is encouraged to participate at the next MIRB
- ☐ Dates: 15 – 19 May 2023
- ☐ Location: Vienna, Austria
- ☐ Registration details will be made available at a later time





MIDS Points of Contact

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F-16 PEACE DRIVE

Pakistan PMR 24 Joint Mission Planning System (JMPS) Overview



BRITTANY R. POORE, NH-03
DAF
Branch Chief, Foreign Military
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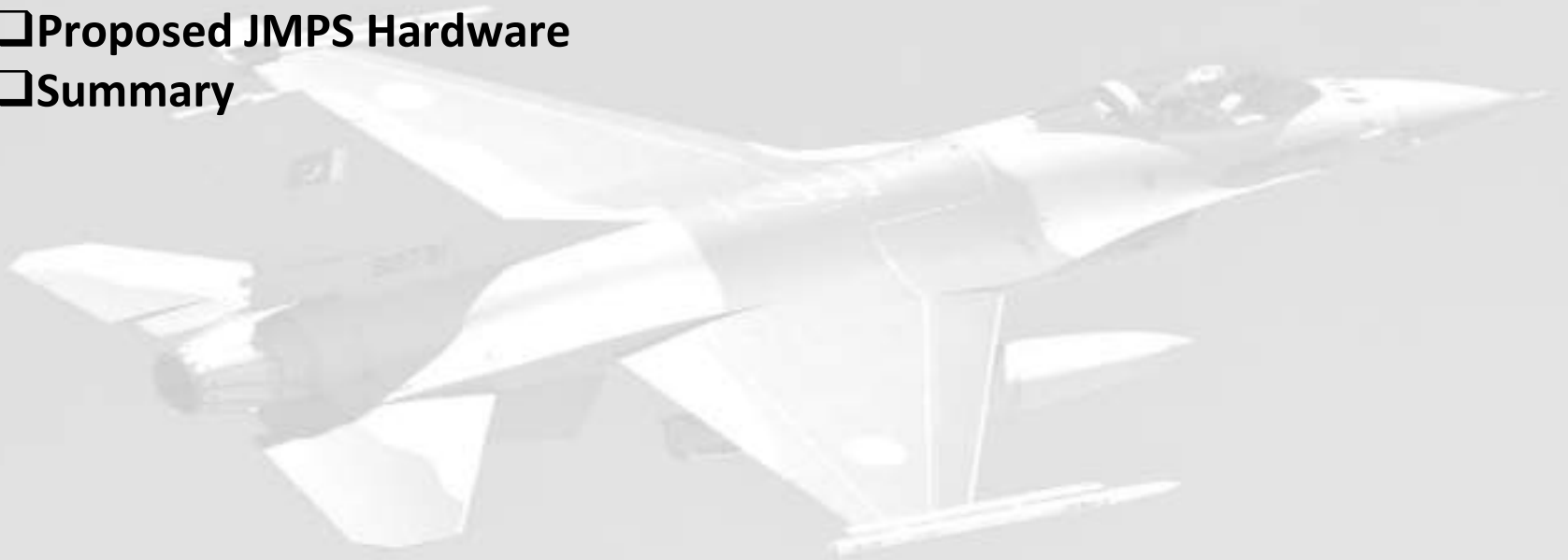
**ANY CONTRACTOR CONTACT WITH THE GOVERNMENT OF PAKISTAN WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH ANY AND ALL ITAR REQUIREMENTS.

THE FOLLOWING AFLCMC/WFNM (FDO) RELEASE CASE # APPLIES: PK23WFNM0078



AGENDA

- ☐ JMPS Overview
- ☐ JMPS P&A
- ☐ JMPS P&A Assumptions
- ☐ Proposed JMPS Hardware
- ☐ Summary





JMPS OVERVIEW (1 OF 2)



**Perform Target
Area Planning**



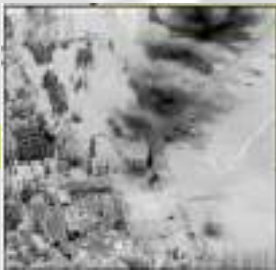
**Perform Threat
Assessment**



**Perform
Route
Planning**



**Optimize
Survivable Route**



**Support Post
Mission Analysis**



**Prepare Mission
Materials**



**Provide System
Administration**

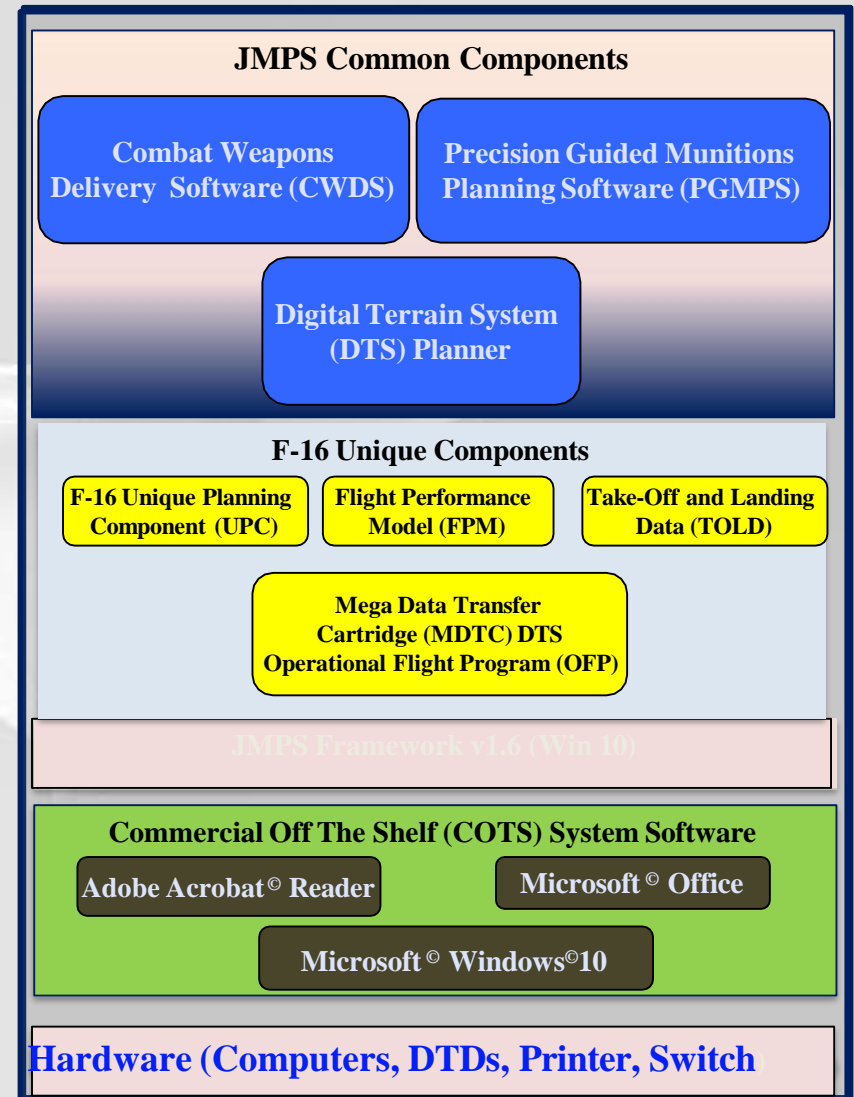


**Provide Mission
Visualization/Rehearsal**



JMPS OVERVIEW (2 OF 2)

- ❑ Multiple software components integrated together into a mission planning environment (MPE) provide total platform mission planning capability
 - ❑ *Framework (FW)—Consists of core elements and functions for the JMPS family of scalable, extensible, and configurable tools and decision aids*
 - ❑ *Common Components (CC) – Provide special capabilities shared by more than one platform (e.g. PGMPS)*
 - ❑ *Unique Planning Component (UPC)— Provides aircraft specific capabilities*





JMPS P&A & ASSUMPTIONS

- ☐ JMPS P&A provided 6 Apr 2021 for PAF Peace Drive F-16 aircraft avionics/OFP upgrade from M2.7, M3.3, and M5.2 to M6.5+; R1 required due to P&A expiration on 6 Oct 2021
- ☐ P&A factors for development, integration, test, and delivery of the classified JMPS 1.5.3/1.6 (Win10) F-16 Mission Planning Environment (MPE) to include:
 - ☐ *Sixty (60) month program to provide Mission Planning system upgrade for PAF F-16 Block 15 A/B and Block 52 C/D.*
 - ☐ *Upgrade of PAF F-16 Portable Flight Planning System (PFPS) 3.3.1 (WinXP) to JMPS 1.6 (Win10) for current PAF F-16 fleets*
 - ☐ *JMPS core Framework software – Basic Route Planning*
 - ☐ *F-16 Block 15 A/B and Block 52 C/J aircraft Unique Planning Component (UPC)*
 - ☐ *F-16 Flight Performance Models/Take-off and Landing Data (FPM/TOLD) to factor for aircraft configuration variances with and without Conformal Fuel Tanks (CFTs)*
 - ☐ *Common Components (CCs)*
 - ☐ *Weapons Planning Software*
 - ☐ *Personal Computer Debriefing Software (PCDS)*
 - ☐ *Digital Terrain System (DTS) Planner*
 - ☐ *JMPS hardware (Win10 OS; Data Transfer Device (DTD)/GigaCID)*
 - ☐ *Product Installation and Check-Out (I&CO) at 2 Bases (Shahbaz and Mushaf) with two squadrons each (four squadrons total)*
 - ☐ *Product Familiarization Training and User Helpdesk support*



JMPS PROPOSED HARDWARE

- ☐ Current fleet: 32 F-16 aircraft / 16 MicroCID Data Transfer Devices (DTD) not Win10 compatible
- ☐ P&A recommended total of 28 JMPS computer workstation and 23 GigaCID assets
 - ☐ 1 desktop + 3 laptop + 1 debrief + 2 spares + 5 GigaCIDs per Squadron

SQDN 1	SQDN 2	SQDN 3	SQDN 4
<ul style="list-style-type: none"> • 1 Desktop • 3 Laptops • 6 Monitors • 1 Printer • 5 GigaCIDs • 1 Network switch (NAS) 	<ul style="list-style-type: none"> • 1 Desktop • 3 Laptops • 6 Monitors • 1 Printer • 5 GigaCIDs • 1 Network switch 	<ul style="list-style-type: none"> • 1 Desktop • 3 Laptops • 6 Monitors • 1 Printer • 5 GigaCIDs • 1 Network switch 	<ul style="list-style-type: none"> • 1 Desktop • 3 Laptops • 6 Monitors • 1 Printer • 5 GigaCIDs • 1 Network switch
Deployable Kit: <ul style="list-style-type: none"> • 0 Desktop computers • 0 Laptop computers • 0 Monitors • 0 Portable printer • 0 GigaCIDs • 0 Network switches 			Spares: <ul style="list-style-type: none"> • 2 Desktops • 2 Laptops • 2 Monitors • 3 GigaCIDs • 2 Network switches



PAK Topics for JMPS

☐ Procurement of Mission Essentials:

- ☐ *ADTC is on-board equipment provided by the A/C contract*
- ☐ *JMPS does not procure ADTC as part of JMPS hardware buy*
- ☐ *Recommend TAF push ADTC request to AFLCMC/WAM*

☐ PCDS/DVR Compatibility:

- ☐ *PCDS can be made compatible w/ on-board DVR via a licensing free for DVR file structure*
- ☐ *Costs for PCDS/DVR compatibility can be included in R1 of the JMPS P&A (note: costs will be shared amongst multiple FMS partners)*



Summary

- ☐ PFPS is unsustainable
- ☐ US and all FMS F-16 programs have migrated to JMPS:
 - ☐ FY16/FY18 Transitioned from PFPS 3.3.1 (WinXP) to JMPS 1.3.5 (Win7)
 - ☐ FY19/FY21 Transitioned from JMPS 1.3.5 (Win7) to JMPS 1.5.3 (Win10/32 bit)
 - ☐ FY22/FY23 Start transitioning from JMPS 1.5.3 (Win10/32 bit) to JMPS 1.6 (Win10/64 bit)
- ☐ PAK JMPS upgrade is strongly recommended to maintain operational & interoperable capability:
 - ☐ DAFIF 8.1 (DAFIF 8.0 sunset extended to Dec 2024)
 - ☐ Vector Vertical Obstruction Data (VVOB) replaced by Table Formatted Aeronautical Data Set – Obstructions (TFADS-O) (VVOB sunset by Dec 2023)

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8

JMPS -- Strengthening Joint War Fighting Capabilities





F-16 PEACE DRIVE

F-100 Engines International Engines Management Program (IEMP)



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Controlled by: US Air Force
Controlled by: AFLCMC/LPSIA
AFLCMC/WFNT/FOD approved: 23 Feb 2023
CUI Category: OPSEC
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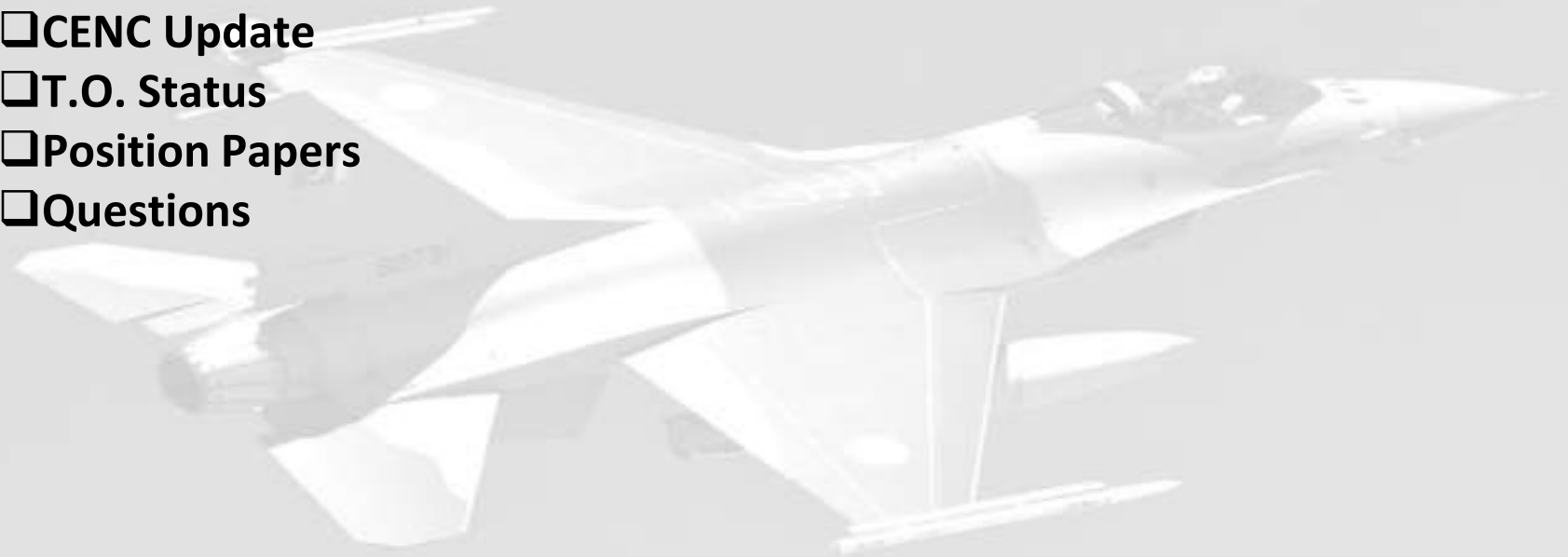


PAKISTAN AIR FORCE PMR 2023

Agenda



- ☐ IEMP Functions/Services
- ☐ PK-NAP Funding Line Status
- ☐ F100-PW-229 Depot Update
- ☐ CENC Update
- ☐ T.O. Status
- ☐ Position Papers
- ☐ Questions





PAKISTAN AIR FORCE PMR 2023

IEMP Services



- ☐ Single POC for all engine related issues
 - ☐ *USAF Cognizant Engineer for F100 engines*
- ☐ IEMP Propulsion Sustainment Focused
 - ☐ *Technical / Engineering / Logistical Support*
 - ☐ *Engine Management / Depot Strategy Teaming*
- ☐ Component Improvement Program (CIP) USAF Program to Addresses Engine Metrics Impacts
 - ☐ *Component Enhancement & Development*
 - ☐ *Repair Development, Test & Evaluation*
 - ☐ *Targets Safety, Reliability and Maintainability*
- ☐ Contract & Organic Repair Services Available
 - ☐ *Scheduled/Unscheduled Depot Overhaul Contract*
 - ☐ *Component Level Repairs*

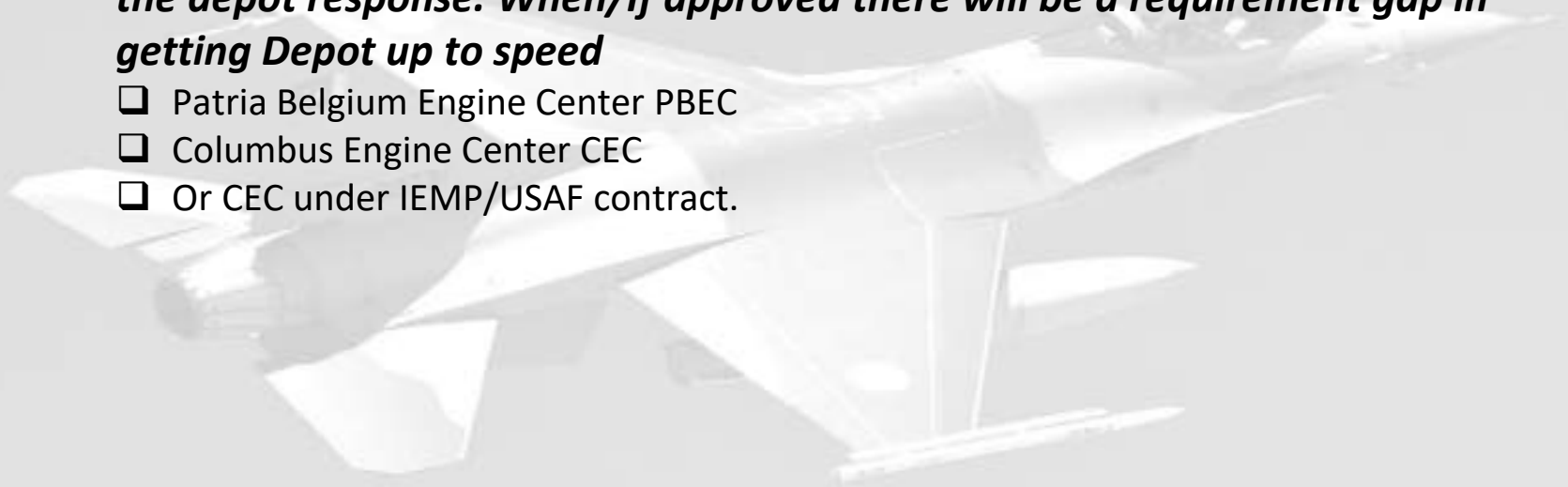


PAKISTAN AIR FORCE PMR 2023

F100 -PW-229 Depot Request status



- ☐ The request for 229 Depot at Kamra in coordination:
 - ☐ *Site visit at PAC Kamra was accomplished in July 2022*
 - ☐ *The review of the request is still under research*
 - ☐ *The IEMP suggests that Pakistan AF review repair options while waiting on the depot response. When/If approved there will be a requirement gap in getting Depot up to speed*
 - ☐ Patria Belgium Engine Center PBEC
 - ☐ Columbus Engine Center CEC
 - ☐ Or CEC under IEMP/USAF contract.





PAKISTAN AIR FORCE PMR 2023

CENC UPDATE



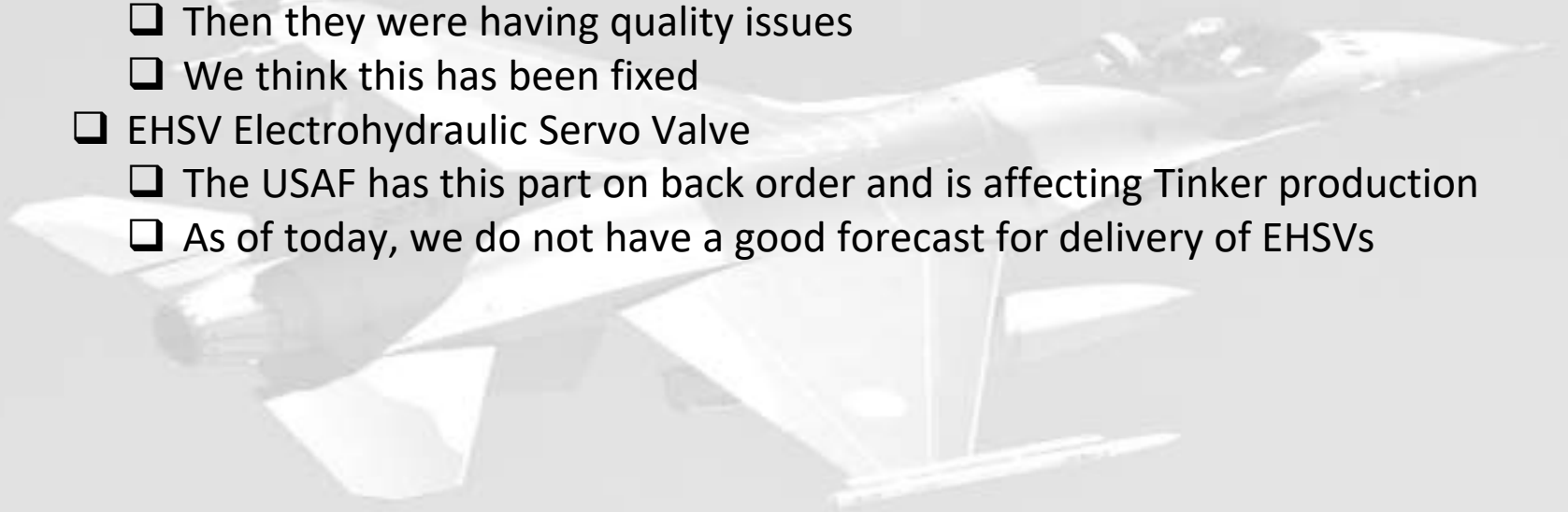
☐ CENC Parts Issues

☐ Herringbone Rotor

- ☐ This parts has had several production issues
- ☐ The first issue was they were not being produced
- ☐ Then they were having quality issues
- ☐ We think this has been fixed

☐ EHSV Electrohydraulic Servo Valve

- ☐ The USAF has this part on back order and is affecting Tinker production
- ☐ As of today, we do not have a good forecast for delivery of EHSVs





PAKISTAN AIR FORCE PMR 2023

INTERACTIVE ELECTRONIC TECHNICAL MANUAL T.O. UPDATES

☐ **F100-PW-229 Intermediate Level IETM**

- ☐ Was T.O. 2J-F100-1-CD-6
- ☐ Now T.O. 2J-F100-1-6-CD-1
- ☐ Revision 56 Publication Date 1 Dec 2022

☐ **F100-PW-220 Intermediate Level IETM**

- ☐ Was T.O. 2J-F100-1-CD-7
- ☐ Now T.O. 2J-F100-1-7-CD-1
- ☐ Revision 52 Publication Date 1 Dec 2022

Make sure your TODO is aware of the T.O. Name change in the IETMS T.O.s
and order the correct one



POSITION PAPER 5573

REPLACEMENT OF F100-PW-229 4TH & 5TH STAGE VANE ARMS

Background:

Priority: Safety Related
Issue Date: 30 Sept. 2022
Model: F100-PW-229
A/C: F-15/16
Noun: Replacement of 4th & 5th Stage Vane Arms
Old P/N: PN 4081056 and PN 4081057
New P/N: PN 4089551 and PN 4089552

Impact/Action:

P&W recommends that all F100-PW-229 users immediately begin procurement of the up-change vane arms PN 4089551 and PN 4089552 for installation into case and stator PN 4089553-01 at Next Scheduled Depot Visit (NSDV) or as soon as possible. New vane arms shall be replaced in complete sets at NSDV, PN 4089551 and PN 4089552 replace PN 4081056 quantity of 12 and PN 4081057 quantity 134 per core module. Vane arms must be replaced in full sets; no mixed configurations permitted to comply with the intent of the safety corrective actions.

Situational Information:

There have been four occurrences of “turned” 4th stage vanes resulting in 5th stage blade below-platform fractures in the worldwide F100-PW-229 fleet. Two were determined to be mis assembly of split line vanes and two were attributed to foreign object damage (FOD). Both possible root causes for turned vanes are combined in the P&W risk predictions.

A vane is considered “turned” when the vane arm it is engaged with becomes deformed, resulting in an arm “claw” that is spread open relative to the vane trunnion, this leads to the arm becoming disengaged from the vane trunnion leaving the vane rotated (turned) off schedule relative to other vanes in the stage

USAF Response:

Response Date: Pending

**POSITION PAPER 5555****NON-CONFORMING PF1 FUEL TUBE ASSY INSPECTION & REPLACEMENT****Background:**

Priority: Safety Related
Issue Date: 23 Sept. 2022
Model: F100-PW-229
A/C: F-15/16
Noun: Non-conforming PF1 Fuel Tube Assy
Inspection & Replacement
P/N: 4063377
NSN: N/A

Situational Information:

In December 2020, an international customer reported to Pratt & Whitney (P&W) that an engine was leaking fuel during post flight inspection. The source of the leak was from an augmentor fuel pump PF1 fuel tube, PN 4063377. The engine had accrued approximately 6,432 hours of engine operating time (EOT) and 11,881 total accumulated cycles (TAC) since new.

The root cause investigation determined that the tube assembly's irregular shape was due to a manufacturing non-conformance. The two tube detail halves (PN 4063385) were formed and trimmed incorrectly causing an irregular shape of the welded tube assembly. P&W's Quality organization has narrowed the affected suspect population to 728 tubes produced by a single manufacturer. There is a potential that tubes with non-conforming details may crack along the longitudinal weld causing a fuel leak during engine operation.

Impact/Action:

P&W recommends all p/n 4063377 PF1 tubes be visually inspected for the presence of part marking vendor code 28412 and replace these suspect non-conforming tubes per a three-phase approach. This three-phase inspection and replacement plan will mitigate associated safety risk below established safety thresholds and is necessary to maintain engine availability while new replacement hardware becomes available.

Inspect engines at JEIM or Depot facilities that are currently awaiting maintenance, parts, or are otherwise non-mission capable for PF1 tube(s) PN 4063377 with vendor code 28412.

Timing: Upon receipt of this position paper.

USAF Response:

Response Date: Pending





F-16 PEACE DRIVE



Julio C. Villatoro "J.C"
FMS Program Manager, FSO (Pakistan)
Eagle TransGroup, Inc.

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Freight Forwarding Services

- ☐ Eagle Transgroup has been in business since 1985, with over 35 years of Freight Forwarding Experience as a U.S Government approved transporter
- ☐ As an asset-based company, we own, operate, and maintain our warehouses facilities and a growing fleet of trucks and transport equipment





Company Overview – Eagle Transgroup, Inc.

- ☐ Owns and operates all its facilities
- ☐ Owns and operates its own fleet of Trucks
- ☐ 98% of inland freight is transported by our fleet
- ☐ Clearance to enter all port authorities within U.S.
- ☐ Seamless interfacing with Electronic Freight Tracking System (EFTS)
- ☐ Facility Security Clearance (FSC) through the Defense Security Service (DSS)
- ☐ All Staff associated with FMS shipping has:
 - ☐ IATA, IMDG & 49 CFR Dangerous goods Training
 - ☐ TSA Indirect Air Carrier Standard Security Program Clearance & Training
 - ☐ Military Surface Deployment and Distribution Command Training





Key Services

- ☐ Air and Ocean Import
- ☐ Inland Freight Services
- ☐ Domestic Shipping and Distribution Services
- ☐ Repair and Return Processing
- ☐ Air and Ocean Freight Shipping and/or Charters to Destination Countries
- ☐ Tracking and Tracing of Materials
- ☐ Export Documentation & Consolidations / Expediting
- ☐ Export Licensing, Documentation, Packing
- ☐ Warehousing, Packing, Inventory, and Storage
- ☐ Explosives Call Forward
- ☐ Inland Transportation to All Airports and Seaports
- ☐ Hazardous Materials Processing



Eagle Certifications & Memberships

- ☐ **ISO 9001:2008**
- ☐ **International Air Transport Association (IATA)**
- ☐ **Cargo Network Services (CNS)**
- ☐ **Non -Vessel Owning Common Carrier (NVOCC)**
- ☐ **International Association of Movers (IAM)**
- ☐ **American Moving and Storage Association (AMSA)**
- ☐ **Facility Security Clearance (FSC) through Defense Security Service (DSS)**





PAKISTAN FMS WAREHOUSE





PAKISTAN FMS WAREHOUSE

- ☐ **Industrial Warehouse with 29,000 SF of space dedicated to the Pakistan Contract**
- ☐ **Clear Ceiling 20ft Height with 3 loading docks**
- ☐ **Located 23 miles from Ronald Reagan National Airport**
- ☐ **Located 27 Miles from BWI International Airport**
- ☐ **Located 31 miles from the Port of Baltimore**
- ☐ **Located 17 miles from C&S Railroad**
- ☐ **Located 19 miles from the Embassy of Pakistan**





EVL EQUIPMENT UPDATE

Our fleet includes:

- (60) Van Trailers
- (26) Tractors
- (28) Electronic Van Trailers
- (15) Chassis
- (22) Straight Trucks and Cargo Vans
- (15) Port Container Trailers
- (10) Flatbeds
- (18) Forklifts
- (2) Port Container Forklift
- (1) Swing-Through





LARGE VOLUME JOBS: PAF PPU'S

- ☐ Engine Test Cell Equipment
- ☐ PAF Simulators from ES3





2022 SUMMARY OF SHIPMENTS

- ✓ Coordinated multiple international shipments
- ✓ Arranged the loading of over 2 million pounds of cargo through Pilot Pick-ups
- ✓ Processed over 1,000 import shipments for repair or return through both JFK and Dover AFB, and BWI.
- ✓ Registered and processed more than 136,000 acquisitions
- ✓ Completed the loading of over 600 Ocean Containers
- ✓ Arranged the loading of dedicated roll-on-roll-off vessels
- ✓ Prepared over 5,000 commercial air freight shipments through the IAD(Dulles)







F-16 PEACE DRIVE

PK-D-VAA "Sustainment II" Program Update



Mr. Richard Brown
"Sustainment II" Program Manager
AFLCMC/WAMI
Hill AFB, UT

Mr. Brian Vigliotta
Program Configuration Manager
AFLCMC/WAMI
Hill AFB, UT

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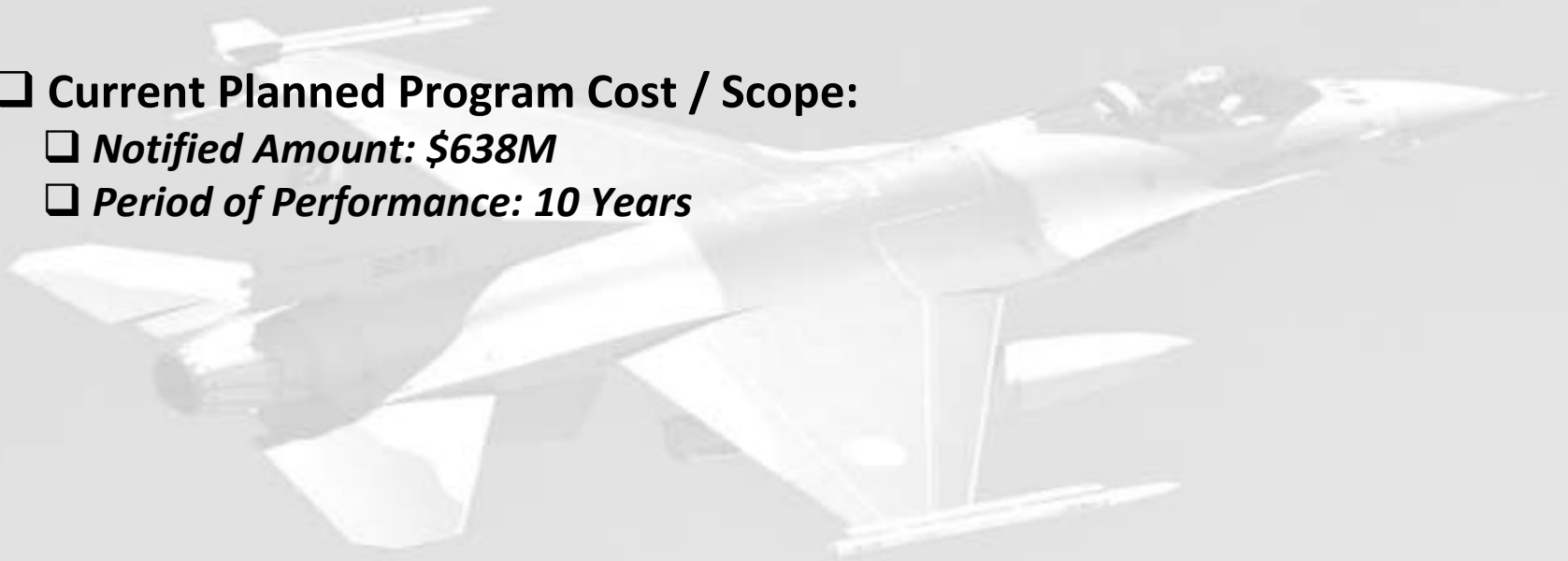
Overview

- ☐ **Bottom Lines Up-Front**
 - ☐ *Sustainment II*
 - ☐ *Congressional Notification*
 - ☐ *Current Planned Program/Scope/Cost*
- ☐ **Review: Current Overview & PAF Requirements**
- ☐ **Update: Program Timeline / Support**
 - ☐ *Anticipated Initial Program Timeline*
 - ☐ *Contractor & Personnel Support (Line Notes)*
- ☐ **Discussion: PK-D-VAA "Sustainment II" Modification Program**
- ☐ **Discussion: Potential PAF Requirement Updates**
 - ☐ *Potential Technical Considerations/Impacts*
 - ☐ *Potential Scope, Cost, Execution Considerations/Impacts*
- ☐ **Discussion: PAF Requested Agenda Points**
 - ☐ *LN 112: Changes / Recommendation procedures in LEP Curriculum*
 - ☐ *LN 119: PAF Wing Overhaul Curriculum*
 - ☐ *LN 121: Updates to LM Aero LEP proposed schedule (Dec 2019)*



Bottom Lines Up-Front

- ☐ PK-D-VAA = “Sustainment II”
- ☐ Congressional Notification Status: Approval Date TBD
- ☐ Current Planned Program Cost / Scope:
 - ☐ *Notified Amount: \$638M*
 - ☐ *Period of Performance: 10 Years*





Current Overview and PAF Requirements



CURRENT OVERVIEW & PAF REQUIREMENTS

☐ Overall Program Goals

☐ **Structural Modifications**

- ☐ Current Average Flt Hrs
- ☐ Current Blk-15 Flt Hours Limit: 8000
- ☐ Post-Mod Flight Hours Limits:
 - ☐ Block-15 M32/33: 9100
 - ☐ Block-15 M26/M27, 5G/5H: 11500

☐ **Avionics Upgrades**

- ☐ Crypto-Mandates
 - ☐ AIFF Mode 5 (June 2020)
 - ☐ Link-16 (January 2022)
 - ☐ Saturn (January 2024)
 - ☐ PAF Declined

- ☐ Partner Interoperability

☐ **Fleet Sustainability**

☐ PK-D-VAA “Sustainment II”

☐ **PAF Fleet Breakdown:**

- ☐ Aircraft: 62 (Block 15: 44, Block 52: 18)
- ☐ Simulators: 3

☐ **Avionics Upgrade (M6.x)**

- ☐ Block-15 MLU fleet to M6.x configuration
- ☐ Block-52 fleet to M6.x configuration
- ☐ Upgrade 3x Simulators

☐ **Structures Upgrade**

- ☐ Falcon STAR on Blk-15 M26/M27 (12ea)
- ☐ Fuselage mods on Blk-15 5G/5H (32ea)
 - ☐ CSL: M32/M33 (13ea), 5G/5H (32ea)
- ☐ Procure wing kits

☐ **Wing Overhaul Program**

- ☐ Overhaul Block-15 wing sets (45 sets)
- ☐ Overhaul spare Block-15 wing sets (5 sets)



Current PAF Program Requirements

- ☐ **Program Avionics Breakdown (Block 15 MLU, All Block 52)**
 - ☐ ***M6.x OFP***
 - ☐ ***Link-16 MIDS-JTRS w/TACAN***
 - ☐ ***APX 126 or 127 w/ AIFF Mode 5***
 - ☐ ***ARC-238 Radios Gen II (w/ upgraded up-front controls)***
 - ☐ ***Upgrade MMC 7000 to 7000A***
 - ☐ ***All related COMSEC***
 - ☐ ***Upgrade (Digital Video Recorder) DVR w/PCDS***
 - ☐ ***High-Capacity Removable Memory Module***
 - ☐ ***Universal Armament Interface (UAI) Weapons Upgrade***
 - ☐ ***Upgrade 3x Simulators***



Current PAF Program Requirements

- ☐ **Wings, Leading-Edge Flaps (LEF) and Trailing-Edge Flaperons (TEF)**
 - ☐ *Funding plan included in PK-D-VAA*
 - ☐ *TEF Parts Pool (5x each)*
- ☐ **Wing Sets**
 - ☐ **4 Wing Sets – Complete (ES3)**
 - ☐ Spare Wing Sets
 - ☐ All M32/33
 - ☐ **2 Wing Sets – Complete (2 Depot)**
 - ☐ 1x 5G/5H
 - ☐ 1x M26/27
 - ☐ **3 Wing Sets – Inducted (2 Depot, 1 ES3)**
 - ☐ **4 Wing Sets per Year @ Depot**
- ☐ **LEFs and TEFs**
 - ☐ *Overhaul TEFs*
 - ☐ *Replacement/New LEFs*



Program Timeline / Schedule



Anticipated Initial Program Timeline

- ☐ **LOA Offer to Country: CN Approval + ~60 days (*planned; assuming no additional scope/program changes*)**
- ☐ **LOA Implementation: LOA Signature & Initial Deposit + 15-45 days**
- ☐ **Award Contract to LMA: Implementation + 14 Months**
 - ☐ *Draft/Coordinate/Approve RFP: 6 Months*
 - ☐ *Complete Technical Evaluations: 2 Months*
 - ☐ *Conduct LMA/PAF/USG Negotiations & Pricing (“Definitization” Conference): 6 Months*
- ☐ **Other Significant Dates**
 - ☐ *Full-Scale Modification Docs In Place (post kit proofing): Award + 3 Years*
 - ☐ *Pilot/Maintenance Training in country: Award + 5 Years*
 - ☐ *Simulator Upgrades (Simulator Office): Award + 6 Years*
 - ☐ *LM Support: Award + 5 Years (3 Years + 2 Years Option)*
- ☐ **Program Complete: Implemented LOA + 10 Years**

*****All information is tentative & for planning purposes only until codified in both an implemented LOA & signed contract*****



Contractor & Personnel Support (Line Notes)

- ☐ **Current Situation & TST Support Agreement**
 - ☐ *It was assumed previously that all USG personnel and US Contractors were covered under the TST Support Agreement. This was determined as incorrect on both accounts, due to differences in LOA/case funding and legal specifics of contract implementation.*
- ☐ **LM, USG Personnel Support Requirements**
 - ☐ *Line Notes - It was originally planned to mirror the requirements set forth in the TST agreement via the case line notes. This has been determined as an incorrect method, and the effort has ceased.*
- ☐ **QAO/Amendment 1**
 - ☐ *Re-offered for Pakistan signature in the same form it was to be originally. No changes were incorporated to account for the CETS contractors, or any other line notes adjustment for the reasons specified in the points above.*
- ☐ **Way Forward**
 - ☐ *Based on discussions with DSCA, LM Aero will need to coordinate via their contracting office with PAF for official documentation of requirements.*



PK-D-VAA “Sustainment II” Modification Program Discussion



PK-D-VAA "Sustainment II" Modification Program

☐ PAF Proposed Payment Schedule

- ☐ Requested at PMR 23: Action Item 23-16

☐ ***Anticipate Front-Loaded Payments***

- ☐ Kit Delivery Schedule
- ☐ LM Deliveries Complete
- ☐ LM In-Country Support Complete
- ☐ LM Support Complete

☐ ***Down Payment***

- ☐ Suggest Higher Down Payment
 - ☐ *Initial Costs*
 - ☐ *Kit Development*

☐ ***Reduced POP***

- ☐ Kit Deliveries & LM Support Drive POP
- ☐ POP Drives allowable payment plan scope

☐ Upgrade Program Considerations

☐ ***M6.x Upgrades***

- ☐ Using Hardened Aircraft Shelters (HAS) for M6.x upgrade

☐ ***Structures Upgrades***

- ☐ 4 Concurrent Docks (REQUIRED through Mod duration)



Potential PAF Requirement Updates



Discussion on PAF Requirement Updates

- ☐ **Anticipated Factors/Considerations**
 - ☐ *New Business Office will accomplish price validation following CN Approval*
 - ☐ *Potential effects of continued delays*
 - ☐ *Impacts of Pakistan floods & financial considerations/constraints*
- ☐ **Request: PAF Updates on Program Expectations and/or Requirements**
 - ☐ *What impact would program price increase have on PAF supportability?*
 - ☐ If this occurred, what could the Program Office do to help reduce PAF impact/concerns?
 - ☐ *Is there any potential PAF will request a Program Re-scope?*
 - ☐ Are there any indications of what the PAF would/is considering?
- ☐ **Program Office Considerations: Delay / Re-Scope Impacts**
 - ☐ Program Period of Performance
 - ☐ *Period of Performance vs. Mod Timeline (Waterfall)*
 - ☐ Effects of Re-Scope on Program Schedule/Price
 - ☐ *Likely be better to consider payment schedule (ie. PAF payment plan) over “cost-cutting” actions*
 - ☐ Crypto Mandates (long-term impact to coalition partnerships)
 - ☐ Interoperability (exercises, training, coalition partnerships)
 - ☐ Available Flight Hours (waterfall vs. delays vs. re-scope)
 - ☐ Sustainment (waterfall vs. longevity vs. cost)



PAF Requested Agenda Points



PAF Requested Agenda Point: Changes / Recommendation procedures in LEP Curriculum



☐ Agenda Item: #112

☐ Details:

After approval of LoR and prior to award of contract, Project Falcon may be informed for documentation, procedures and requirements etc. regarding proposed changes in LEP modifications already discussed and communicated to Program Office and LM Aero during Technical Interchange Meeting (TIM).

☐ Program Office Response:

LM Aero has been queried on this topic and is gathering information to provide the PAF with an update at the PMR.



PAF Requested Agenda Point: PAF Wing Overhaul Curriculum

☐ Agenda Item: #119

☐ Details:

PAF provided a white Paper for wing overhaul task to Program Office for subsequent submission to LM Aero. Program Office is requested to provide update on the submission of White Paper and any feed back from LM Aero.

☐ Program Office Response:

LM Aero has been queried on this topic and is gathering information to provide the PAF with an update at the PMR.



PAF Requested Agenda Point: New Timeline for LEP & Falcon STAR LORs

☐ Agenda Item: #121

☐ Details:

LM Aero team visited Pakistan for briefing on LEP modalities in 2019. The timeline provided for LEP during December 2019 briefings could not be materialized. Therefore, following is requested:

(a) Revised Cost keeping in view the deletion of Control Points (CPs) as discussed in Technical Interchange Meeting.

(b) New Timelines after approval of LEP & Falcon STAR LORs.

(c) LEP, Falcon Up & Falcon STAR Kits

(d) Revised timelines for required Tooling procurement, Kits proofing, Kits procurement etc

(e) PAF may be provided with details of LEP Modification Facility requirements (in each prospects) to be provided by LM Aero or to be established / available by PAF

☐ Program Office Response:

(a) LM Aero has been queried on this topic and is gathering information to provide the PAF with an update at the PMR.

(b) CN is currently in work; no estimated completion date is available currently.

(c) Updated timelines will be developed following CN approval and LOA implementation. Program Office is working with Hill Wing Shop to work ahead on wing mods where possible in preparation for PK-D-VAA.

(d) Updated timelines will be developed once CN is approved and LOA is implemented.

(e) LM Aero has been queried and is gathering information to provide PAF with an update at the PMR.



Summary

- ☐ Bottom Lines Up-Front
- ☐ Current Overview & PAF Requirements
- ☐ Program Timeline / Support
- ☐ PK-D-VAA "Sustainment II" Modification Program
- ☐ Potential PAF Requirement Updates
- ☐ PAF Requested Agenda Points







F-16 PEACE DRIVE

WING OVERHAULS



Mr. Eric Harkness
Deputy Security Assistance
Program Manager (D/SAPM)
Hill AFB, Utah

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Request In-Country Repair For Two Wing Sets Overhauled By Depot



- ☐ **Completed repairs on the Three Wing Sets that came to Hill AFB Wing Depot Facility**
- ☐ **16RW155 was not completed during this effort**
 - ☐ Depot conducted NDI Inspections and determined there were no cracks noted to require this repair
 - ☐ Depot from this point moving forward will perform this repair but will require tooling to support workload
 - ☐ Repair can be accomplished in country with tooling
- ☐ **Program Office contacted vendor for cost estimate for tooling**
 - ☐ Cost for tooling is \$147K and has been received at the depot
 - ☐ Tooling will be turned over to PAF after program has completed
 - ☐ Training can be arranged to perform this task in-country
 - ☐ This effort is **NOT** considered urgent. Can be accomplished at a later date



Update of 02 Wing Sets (DTE-I & DTE-II) and New Additional Set of Wings at ES3

- ☐ **PAF opted to overhaul and convert two Blk 10 Wing sets**
 - ☐ ES3 did perform this task via PROS Contract
 - ☐ DTE-I has been completed and FF picked up wing set in April 2022
 - ☐ DTE-II has been completed and shipped to country Dec 2022
- ☐ **ES3 is working on new set of wings**
 - ☐ Completed TT&E
 - ☐ Awaiting PROS approval to begin work
 - ☐ Fixed trailing edge surface is the major issue...Working with engineering
 - ☐ Estimated completion is July 2023. Program Office and ES3 are working to reduce repair time



Urgent Action for Wing Overhaul, Flaperon and LEF Upgradation in case of delay in LOR

- ☐ **Depot will not support overhaul program without parts available**
 - ☐ **Parts supply is very limited**
 - ☐ **Will need to order required parts to support overhaul program**
 - ☐ Funding will be required to order parts
 - ☐ Some parts can take up to 2 years to manufacture (WAF's) and LEF's
 - ☐ Several discussions were conducted between PAF and Program Office about the reuse of WAF's because 5G/5H and M32/M33 aircraft have had their WAF's replaced via Falcon STAR mod
 - ☐ Wing Shop, Lockheed Engineering do not recommend reusing these WAF's because of the process of milling and matching of upper wing skin tabs
- ☐ **Hill Wing Depot will be able to support 4 wing sets per year as-long-as parts are available** (Kits to include major parts)
 - ☐ There may be a situation that we find additional damage inside once the wings are opened for inspections and parts could be hard to get. We will work them on a case-by-case scenario) PO has placed a Conex by the repair facility and will be storage for spares parts and managed by PO
- ☐ **Flaperon Workload**
 - ☐ TT&E and Overhaul cost estimated at \$73K
 - ☐ Estimated 60-day turnaround for effort
 - ☐ Email sent to PAF to finalize quantities and how many they can support yearly
- ☐ **LEF's need to be ordered. Need to determine which funding line to support requirement**



CSL replacement and Structural Modification Tools (PN F-16-15-011 and F-16-16-011) Training



- ❑ PAF have received the tooling, fixtures and parts to replace CSL's for both A/B model aircraft
- ❑ Mr. Bob Wallace provided over shoulder training to PAF on "A" Model aircraft several years ago
- ❑ PAF would like to re-accomplish this training due to new individuals in Up-Grade Cell. Training will include "B" Model aircraft
- ❑ Program Office is working with TCG to send engineer to Mushaf to help conduct over the shoulder training for this task. This will be conducted during ICR later this year (*details are being worked out for this effort*)





F-16 PEACE DRIVE

Sustainment



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Training Requirements for F16 Aircraft

- ☐ PAF have requested Program Office(PO) to arrange training to paint F16 Blk 52 aircraft /RAM Coatings/Intake
 - ☐ PO contacted AFSAT to see if they can support this requirement
 - ☐ No training case/line available to support this requirement
 - ☐ New training case in work and PAF would have to add more funding
 - ☐ Program Office will submit EPR for ROM estimate for training
 - ☐ This training through Lockheed would be training the trainer approach
 - ☐ **Aircraft paint training consist of three courses:**
 - ☐ Week 1: A general (classroom) training course to include all facets RAM application
 - ☐ Week 2: Same content/structure as the prior week, but it is now taught by the student in order to prepare them for training the rest of their team
 - ☐ Week 3: Practical application of RAM
 - ☐ **None of them are specifically directed at the inlet.** They are general procedures for application which would familiarize an individual with the process enough to be able to apply to anywhere on the aircraft, including the inlet. While it's listed as three separate courses, it basically serves as one training covering three consecutive weeks. As I understand it, it looks something like this.
 - ☐ Lockheed could potentially work an inlet-specific course; however, this would require development of such a course, which would obviously come at additional cost



Inspection of 16B6530 Engine Access Cover Configuration

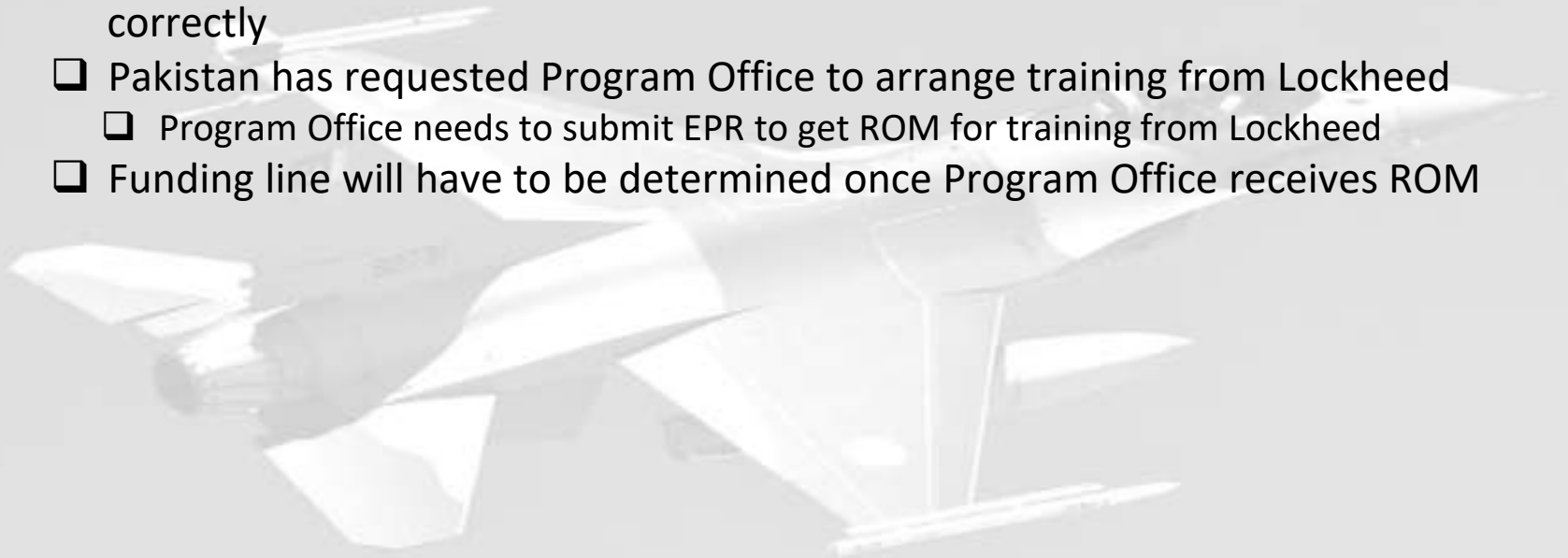


- ☐ **Engine Access Covers (EAC) 16B6530 mis-identified markings during MLU Modification**
 - ☐ PO visited Mushaf AB, Pakistan July 2022. They inspected EAC has determined they are the correct modified panels.
 - ☐ PAF/PO decide to have the depot re-inspect EAC's to verify correct configuration
 - ☐ EAC's (one right and one left) arrived Hill AFB on 9 Feb 2023.
 - ☐ Program Office to get ECA's inducted into depot for verification/repairs
 - ☐ One access cover is in bad shape and will require overhaul
 - ☐ One access cover has been overhauled and will be verified for correct configuration



Integrated Ground Software (IGS)

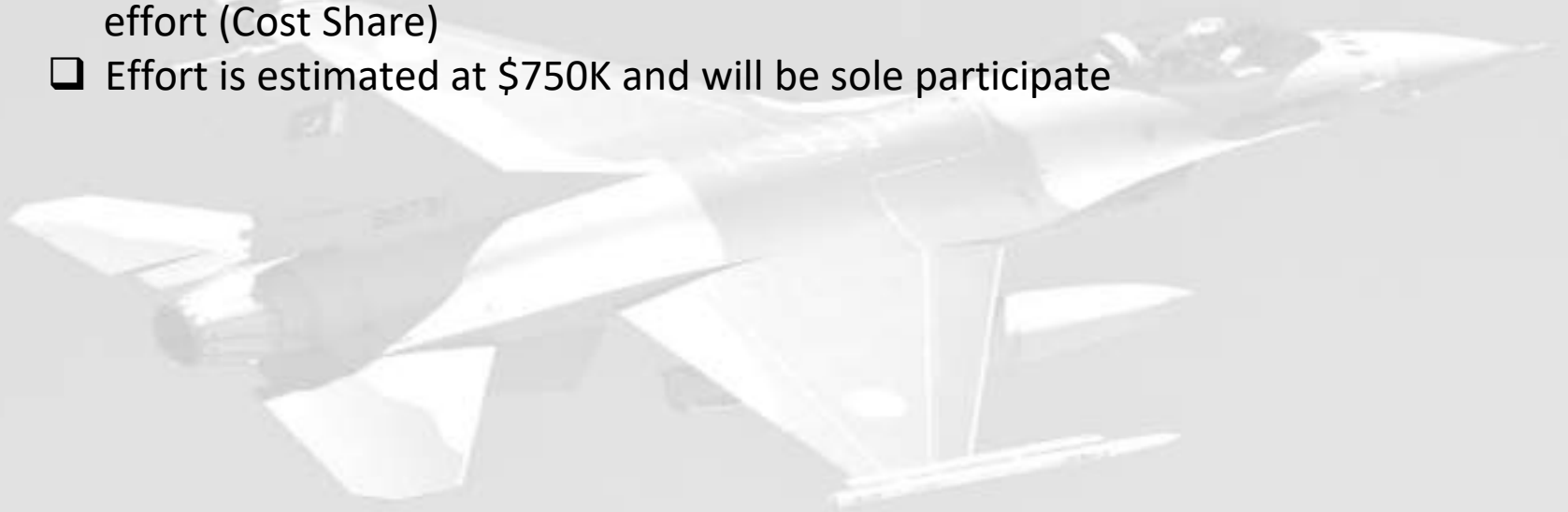
- ☐ **PO order and supplied IGS software and three computer systems to Pakistan**
 - ☐ Pakistan had issues with software load and with support computers are working correctly
 - ☐ Pakistan has requested Program Office to arrange training from Lockheed
 - ☐ Program Office needs to submit EPR to get ROM for training from Lockheed
 - ☐ Funding line will have to be determined once Program Office receives ROM



Tech Order updates for PW-220 engines with Group VI DEEC



- ☐ **PAF have requested to have the DEC IV added into their tech orders**
 - ☐ Program Office is working the process for this update
 - ☐ Working to get waiver for configuration board process
 - ☐ Initial technical board process was completed prior to Pakistan pulling out of effort (Cost Share)
 - ☐ Effort is estimated at \$750K and will be sole participate





ELOP HUD I-Level Test Station

- ☐ **Program Office procured new I-HUD Test Station for PAF with spares**
 - ☐ *Spare sent to country*
 - ☐ *Tester shipped in-place for training*
- ☐ **PAF requested training for this test stand to be performed at IEI facility**
 - ☐ Program Office is working with PROS to deliver this training
 - ☐ Contract is in-work
 - ☐ PROS contract is in-work: (cost eval and tech review)
 - ☐ Working on estimated dates for training. Sent email to contracting...awaiting their response
 - ☐ Training estimated for 15 days
 - ☐ Training will consist of inspection/set-up of tester, operational use and repack to send to country. Pakistan will be able to reach back for support with IEI.



MMR Procurement Issue

- ☐ **Pakistan requested Program Office (PO) to order 5ea MMR's**
 - ☐ Order was cancelled for no bid
- ☐ **Pakistan submitted TCG Project**
 - ☐ TCG stated the MMR was still a viable part
- ☐ **PO was informed by PROS the MMR was no longer procurable**
 - ☐ Program Office contacted vendor to verify if there was any issue with procuring
 - ☐ Vendor stated they had stopped production – reason for no bid
 - ☐ Lockheed originally stated 16VE102102-1 was still active and utilized on all F-16's
 - ☐ PO has learned through research that is not the case
 - ☐ PO is working with Lockheed to verify options...waiting research



F-16 PEACE DRIVE

Upgrade of Existing VIPER MLVs to CAPRE



Mr. Brian Vigliotta
Technical Advisor
Hill AFB, Utah

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Upgrade of existing VIPER MLVs to CAPRE

- ❑ **CAPRE is replacing the VIPER MLV**
 - ❑ *CAPRE is still in testing and is not slated to be complete for USAF until 2024*
 - ❑ *There could be delays for FMS*
- ❑ **BAE has stated the VIPER MLV will be supported many years to come**
 - ❑ *BAE is still selling Viper MLV's to all F16 Customers*
- ❑ **VIPER MLV II software will address potential cyber threats**
 - ❑ *This new version can support over 100 mission and flight critical systems onboard F-16 aircraft*
 - ❑ *The MLV II will use existing interface cables*
- ❑ **Program Office recommends staying with VIPER MLV for the near future**



Modification of Engine Access Covers

TCTO PK1F-16-6030C

Purpose

- ☐ The purpose of this TCTO is to direct modification of the existing Engine Access Covers (EAC), P/N 16B6530-847, -848, -857 and -860, in order to install improved Ventral Fins, P/N 16B730-5/-6.
- ☐ P/Ns 16B6530-847 and -848 EAC will be reinforced at location of the four ventral fin attachment points with 16B6816-() Spec 2024 / T81 fittings on a depot-turnaround basis per TCTO PK16W37-20-6001.
- ☐ P/Ns 16B6530-857/-860 EAC already incorporate these fittings and do not have to be reinforced.
- ☐ At the location of the four ventral fin attachment pads the EAC (all P/Ns) will be provided with a special wear resistant coating to prevent panel skin damage from the ventral fins.
- ☐ Failure to accomplish this TCTO could result in continued premature failure and replacement of the EAC and/or Ventral Fins due to increased air loads as result of use during SNIPER Targeting Pod missions.



Modification of Engine Access Covers

TCTO PK1F-16-6030C



Way Forward

- ☐ We have contacted the depot to discuss this workload. This is going to be very timely as we are required to have so many parts local manufactured to support this requirement.
- ☐ After our meeting with Depot, we will have a better understanding for when this workload can commence. We will inform PAF when to send these access panels to Hill for workload.







F-16 PEACE DRIVE

AVIONICS UPDATES



Keith Wolters
AFLCMC/WAMI
RIAIS Technical Advisor
Contractor

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Overview

- ☐ **DMS Issues/Depot Level Support**
 - ☐ ***MPDG***
 - ☐ ***EGI***
 - ☐ ***CMFD***
 - ☐ ***MMC***
- ☐ **ILS and UHF ITAs & LRUs Status**
- ☐ **Elgar Power Supply**
- ☐ **AIFF CIT A2 CCA Failure Trend**
- ☐ **AdC Test Station SLEP**
- ☐ **AdC Stations Spares Availability**
- ☐ **ACADC Mod**
- ☐ **Sustainment of Avionics Systems**



DMS Issues

☐ MPDG

- ☐ ***MPDG Part No 8533000-922 are not hosted with PAF on RIAIS test stations. Since inception, significant cost has been incurred on its repair till date. PAF intends to acquire testing capability (I' level test equipment) of MPDG***
 - ☐ Contacted LM. MPDG not hosted on LM-STAR nor LM-CORE
 - ☐ Contacted the ES. He doesn't know of the availability of testers outside the OEM
 - ☐ Contacted Honeywell about support. CASE-25711518

☐ CMFD

- ☐ ***CMFD 16VE962001-20 & 8526500-920***
- ☐ ***CPIN 81K-F16/74KN0/LRURIAIS-U001-00, Test and Fault Isolate 8526500-002***
- ☐ ***No CPIN for 16VE962001-20***
- ☐ ***Contacted Honeywell about support. CASE-25711533***

(Continued)



DMS Issues (continued)

- ☐ **EGI**
 - ☐ ***EGI LN-260***
 - ☐ ***Tested on R-IAIS. Go-Nogo only***
 - ☐ ***Will contact NGC about support***
- ☐ **MMC**
 - ☐ ***MMC 7000***
 - ☐ ***Not hosted on R-IAIS***
 - ☐ ***Hosted on WesTest DATS2000***





ILS and UHF ITAs & LRUs

- ☐ 516th SMXS at Hill AFB requested for ILS (RCVR + ITA) and UHF (RCVR + ITA) to incorporate AdC RF hardware and other enhancements. PAF loaned these items.
- ☐ ITA Status
 - ☐ ILS ITA
 - ☐ ITA passes all self-tests
 - ☐ LRU passes all tests
 - ☐ Avionics Integration Support Facility (AISF) has assigned a MIP and software upgrade to the CPIN is in-work
- ☐ UHF ITA Status
 - ☐ ***Both the PAF and AISF UHF ITAs fail the same test and require troubleshooting. The AISF LRU Holding Fixture has a bad connector pin and requires repair. The PAF did not ship their Holding Fixture with the ITA and cables***
 - ☐ F-16 AIS Depot loaned an LRU Holding Fixture to AISF
 - ☐ Self-Tests still fail. May be a test station issue. Only one AdC RF test station has the old HP Power Meters and must be time-shared between ITA testing and other tasks, such as software integration testing



ILS and UHF ITAs & LRUs (continued)

☐ LRU Status

☐ *ILS LRU*

- ☐ Passed all adjustments and operational tests with AISF ITA and PAF cables. Requires testing with PAF ITA

☐ UHF LRU

- ☐ *Lone 416th AdC RF station with old Power Meters being used for C&S regression testing*





R-IAIS Elgar Power Supply

☐ LRU Status

☐ ILS LRU

- ☐ Passed all adjustments and operational tests with AISF ITA and PAF cables. Requires testing with PAF ITA

☐ UHF LRU

- ☐ *Lone 416th AdC RF station with old Power Meters being used for C&S regression testing*





AIFF CIT A2 CCA Failure Trend

- ☐ The PAF has experienced a rash of AIFF CIT (PN 1003001G-55) LRU failures. Aircraft MFL and R-IAIS indicate faulty A2 RCVR/XMTR CCAs (PN 1024434G-2)
 - ☐ *Aircraft failures include:*
 - ☐ MFLs 036, 095 = A2 RCVR/XMTR CCA
 - ☐ OFP will not load
 - ☐ **R-IAIS failures:**
 - ☐ *Test # 2, Power On Built In Test (BIT), Probable Cause Of Failure (PCOF) = A2 CCA*
 - ☐ *Test # 3, Initiated BIT, PCOF = A2 CCA*
 - ☐ *Test # 4, Transponder Receiver, PCOF = A2 CCA, A4 CCA*
 - ☐ *Test # 9, Transponder Receiver Bandwidth, PCOF = A2 CCA*
 - ☐ R-IAIS supports aircraft failures. Issue is with A2 CCAs
 - ☐ *TCG has initiated an investigation by the AIFF CIT OEM and Equipment Specialist*
 - ☐ Contacted the ES at WR. He insists the AIFF LRUs are Depot repair only, even though the PAF LRU PN and SRUs have no code
 - ☐ With the USAF phasing out the APX-113 CITs and installing the APX-125 system there are no efforts to improve any APX-113 SRUs
 - ☐ Awaiting word on the possibility of obtaining spare A2 CCAs



AdC Test Station Service Life Extension Program

- ☐ The SLEP is still available. A new ROM is required to price the cost.
- ☐ One of the replacement SSGs is now obsolete, and engineering is working on finding and qualifying a new one
- ☐ A ROM would require a list of the current configuration of the PAF stations
 - ☐ ***Pre-SLEP requirements:***
 - ☐ Internal and external cable inspection
 - ☐ Inventory of test station TRU part numbers
 - ☐ Inventory of certain test station CCAs
 - ☐ Inventory of test station disk drives (HP7907/Bering), terminals (Ann Arbor/WYSE/ASSET)



Spares Availability for AIS Stations

- ☐ A list of the parts replaced during IAIS to VXI-IAIS upgrade was provided to the PAF:

Parts Removed During IAIS to VXI-IAIS Upgrade		
NOMENCLATURE	PART NO.	NSN
Timing Generator CCA	2115210-106	5998-01-250-5599
AFG Digital CCA	2115900-103	5998-01-248-9056
Fast A-D Converter CCA	2115075-002	5998-01-273-9740
Time Base/AC Ref CCA	2116840-103	5998-01-343-8634
Frequency Counter I/F Assy	2231955-002	6625-01-246-1642

(Continued)



Spares Availability for AIS Stations (cont'd)

- ☐ The PAF also requisitioned high-fail items to create back-orders to be filled when excess assets are available in the supply system

NSN	Part No	Noun	NHA	Spares Available
6625012461640	2232050-003	FINE RESOL SYNTH	2212450-003 MMU [ADC AIS (RF)]	PAF received
6625012461641	2231890-004	SYNTHESIZER ELECT FREQ	2212450-003 MMU [ADC AIS (RF)]	No
6625012461643	2231945-004	SYNTHESIZER ELECT FREQ	2212450-003 MMU [ADC AIS (RF)]	No
6625012467142	2231935-006	LOG/LIN RX CCA	2212450-003 MMU [ADC AIS (RF)]	No
6625012469061	2231885-004	SYNTHESIZER ELECT FREQ	2212450-003 MSI [ADC AIS (RF)]	No
6625012485554	2231870-003	SYNTHESIZER ELECT FREQ	2212450-003 MSI [ADC AIS (RF)]	No
6625012467931	2231920-004	PLUG IN UNIT	2212450-003 MMU [ADC AIS (RF)]	No
6625012467932	2231940-003	VARIABLE BAND CCA	2212450-003 MMU [ADC AIS (RF)]	No
5998011661312	2115915-001	SEQUENCER CCA	2212450-002 RF STN	No
5998013243354	859-809	MODULE ASSY REGULATOR		No
5998011900718 5999011900718	2115110-104	SERIAL DATA CCA	AIS TEST STATION	No
5998012841633	2115110-201			No
5998011900718 5998012841633 5999012489055	2115110-105			MRRL

(Continued)



Spares Availability for AIS Stations(cont'd)

☐ A Stray Voltage CCA was received by the PAF

NSN	Part No	Noun	NHA	Spares
5998010780500	2115400-103	STRAY VOLTAGE CCA	2212415-004 PP SUMMS	Possible Spares Available
5998013495878	2115400-104	STRAY VOLTAGE CCA	2212415-004 PP SUMMS	Possible Spares Available

☐ A set of AdC stations was turned in to DRMO for salvage, and the AIS PO has inspected the units and plans to cannibalize them for spare parts. The list of assets will be available soon



R-AIS Future Growth/LRU Hosting

- ☐ PAF would like to know what future growth is envisaged on RIAIS with M6.5 modernization program in terms of additional hosting beside associated ITAs and TPS
- ☐ *M6.5 requires no TPS upgrade on R-IAIS other than installing the new OFP files*
- ☐ *TPSs in development: HFLCC, ACADC, CCIU and MIDS JTRS. These are for USAF LRU PNs and the completed TPSs should be readily adaptable to FMS PNs, but would require some NRE*
- ☐ *Other LRU support requires NRE and cost-sharing*



A/U/CADC Support

- ☐ **Central Air Data Computer PN 4025116-907 is installed on PAF Blk-15 and Upgraded Central Air Data Computer Part No 8518930-901 is installed on PAF BLK52/MLU fleet. ACADC Part No 62000030-903 is being evaluated by Honeywell for failures (same issue being faced by USAF) under TCG project.**
- ☐ ***ACADC DR Exhibit was tested at Honeywell and evaluated at Nellis AFB on test aircraft along with USAF ACADC assets on March 2-3, 2021***
 - ☐ Fix for the issue is adding a voltage filter to one input line and firmware upgrade
 - ☐ Fix will create a new LRU dash number
- ☐ ***Awaiting:***
 - ☐ Approval for the software fix
 - ☐ Lockheed is waiting on the Class1 ECP from Honeywell before conducting a configuration board for modified LRU approval
 - ☐ Flight testing. Shooting for July 2023
 - ☐ CASE-25711821
- ☐ ***Tracking down the location of PAF ACADC. The LRU has not been modified***
- ☐ **Short term sustainment plan WRT some contractual avenue for priority repair to PAF assets through IEI with minimum turn around time may be worked out.**
- ☐ ***U/CADC priority repair: PAF PO will have to contact IEI***



Sustainment of Avionics systems

- ❑ Certain Avionics LRUs pertaining to Blk52/MLU fleet have been assessed as critical; owing to depleted serviceable balance vis-à-vis high failure trend. These items are being regularly monitored by Program Office, Project Falcon and No 121 ALD. However, of late many challenges with regards to long repair lead times, depleting repair sources and obsolescence have surfaced. PAF intends to build up stocks of these items as with the approaching sunset of LMs F-16 production line, majority of vendors align their production capacities inline with the requirements of the biggest user, the USAF, resulting in Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues for smaller users like the PAF, especially the operators of older versions.

LRU/Component	Part Number	NSN	Quantity	Notes
ANTENNA FCR	825R850G01	5985015253989	8	
MORE	103K601G01	5841015251537	4	
CORP	813R250G01	5841015284987	2	
AIU	544R740G01	5841015548044	6	
HUD PDU	16VE253001-200	6605ND077622G	3	
MPDG	16VE1186-22	1280ND077619G	10	
MFD	16VE962001-20 & 8526500-920	1260014696512	7	
ASHM	46431110-30	1270015142683	2	
GPS EU	808352/020	5985015065380	3	
ILS MMR	530A006-61	5895ND068375G	4	
CMSP	228300-105	5865226059875	4	
CD Band Antenna	27130-1	5985011469283	5	



F-16 PEACE DRIVE

PMEL Calibration Shipping Instructions



David Wingrove
AFLCMC/WNM
AFMETCAL, International
Metrology
Newark AFB, OH

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PMEL Calibration

☐ Agenda Topic 72

☐ AFMETCAL, USA supports PMELs Mushaf and Shahbaz

- ☐ *Mr. Wingrove indicated that only those items which are listed in AFCAV Cal responsibility as "AFPSL", Contract or for items that are PMEL owned TMDE beyond capability of the PMEL to calibrate in country*
- ☐ *Repair responsibility for TMDE will fall into the normal maintenance levels: O (Operational), I (Intermediate), D (Depot). The PMEL is the Intermediate level supporting general purpose TMDE. Repair of Boresight Fixtures and VCK's are Depot Repair, and they should not be sent to AFMETCAL.*
- ☐ *The Item Manager, (IM) is who the PMEL should contact to get disposition instructions for not repairable this station (NRTS) action. The IM will know if there is a technical repair center or contract for repair of the assets they manage as it is their Depot responsibility.*





CUI//REL USA, PAK

F-16 PEACE DRIVE



Repair & Return



**Delbert Musick, USG
Carol Krocza, Contractor
AFLCMC/WAMI
Repair & Return**

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Repair/Return of SSTs

☐ AGENDA TOPIC # 35

☐ FOLLOWING SST ARE CURRENTLY UNDER REPAIR AT SOR:

<input type="checkbox"/> NSN	SST S No	DCN	DISPATCHED	ECD
<input type="checkbox"/> 4920015377747	0135	DPKGE48270F562	Oct, 18	10 May 23
<input type="checkbox"/> 4920015377747	0484	DPKGE49163F636	Oct, 19	10 May 23
<input type="checkbox"/> 4920015377747	0433	DPKAE49163R637	Oct, 19	31 Jan 23
<input type="checkbox"/> 4920015377747	0133	DPKGE41124R907	Aug, 20	
<input type="checkbox"/> <i>GFE – On hold at LM facility awaiting amended transportation plan.</i>				



ACES II TCTO 13A5-56-560

☐ AGENDA TOPIC # 52

☐ TCTO KITS TCTO 13A5-56-560 ON PAF F-16 FLEET. PROGRAM OFFICE IS TO PROVIDE FINAL EDD OF THE 03 KITS

☐ ACES-II Ejection seat structural upgrade kit. TCTO 13A5-56-560, PN 1847-052-0

☐ DPKA5420825101 QAO/006 3 each Shipped 26 Apr 22

☐ NSN: 1680K1300849A

☐ AGENDA TOPIC # 53

☐ DPKGE48333F564 ACES II EJECTION SEAT PART NUMBER J114936-515 S NO F6A567

☐ SDR: PK NAP/NES B2695 – Submitted 19 Jan 23

☐ DPKGE48333F564

☐ Was sent to USA for repair of damage Seat Smokestack area. After receipt in country, few rivets were found missing in that specific area. Rivet installation is critical in that area. Program Office was approached for Warranty repair of said seat on 31 May 2022.

☐ DPKAE42049R862 & DPKAE42049R863 – PROS PAF requested cancellation.



Repair/Return

☐ AGENDA TOPIC # 54

☐ **CANOPY ASSEMBLY PART NUMBER 16K0510-641 S NO C0074 OF**

☐ F-16 'A' MODEL IS HELD IN PAKISTAN WITH AFT ARCH CRACK.

☐ DPKGE42152R186

☐ *This Canopy is at OO-ALC Depot.*

☐ *Test, Teardown and Evaluation in progress. ECD - TBD*

☐ AGENDA TOPIC #66

☐ **HUD LVPS R/R**

☐ PROS - DPKGE42298R208 - DPKGE42298R213

☐ P/N 4516-3000-00

☐ The repair price was determined by PROS to be Not fair and reasonable. PROS has a lot of contract guidance that often delays award of contracts. We have reached out to PROS and IEI will re-quote the repairs. We are also looking into going through LM Aero to IEI.



Repair/Return

☐ AGENDA TOPIC # 82

- ☐ ***MMC Strategy for R/R after M6.5***
- ☐ ***Program Office has provided projected repair quantities to the Raytheon contracting team – Pakistan will have placeholders for repair on the contract once awarded.***
- ☐ ***Organic test and evaluation can be done at OO-ALC for MMC 7000 & 7000A to check for RTOK before sending for major repair.***
 - ☐ MIDS LVT Eric/Vickie Webb
 - ☐ AIFF Mode-4



NGC Last Chance and LAY IN Items

☐ AGENDA TOPIC #92

☐ SAPM has identified that we could order the Last Chance assets on NAP/012 (total \$592,260)

PART NO	NSN	NOUN	PK Orders for Layin Material	New PAF proposed Requirement	NGC PRICE	PAF Total Cost	DCN	REMARKS
563R175H01	NSL	Transmit IMA	Lifetime Buy	2	\$54,336.20	\$108,672.00	DPKG5421135201	
563R176H01	NSL	L01 IMA	Lifetime Buy	2	\$45,297.90	\$90,595.80	DPKG5421135202	
563R177H01	NSL	X-BAND IMA	Lifetime Buy	3	\$130,997.40	\$392,992.20	DPKG5421135203	
							\$592,260.00	

☐ Purchase Request Complete. Award is in negotiation; this is a Commodities Buy with a 4-year period of performance. No incremental deliveries as of now.



NGC Last Chance and LAY IN Items

☐ AGENDA TOPIC # 92 Cont'd

☐ SAPM has identified that we could not order Lay In Spares at this time due to funding concerns and historical demand (Total \$2,237,928)

PART NO	NSN	NOUN	PK Orders for Layin Material	New PAF proposed Requirement	NGC PRICE	PAF Total Cost	NHA NOUN	REMARKS
131B56H01	NSL	FRAME		5	\$25.40	\$127.00	NIL	Not available in T.Os
131B563H01	NSL	WINDOW		5	\$67.80	\$339.00	NIL	Not available in T.Os
560R403H02	NSL	DIODE, QUAD, LIMITER		5	\$683.50	\$3,417.50	NIL	Not available in T.Os
560R600H01	NSL	TWT		5	\$192,921.20	\$964,606.00	Cooling Loop, TWT	
560R632H01	NSL	PHASE SHIFTER	PAF Requested 5 sets (20 each)	5	\$27,161.00	\$135,805.00	ANTENNA	
561R140H04	NSL	RECEIVER, PROTECTOR, WAVEGUIDE		20	\$48,085.50	\$961,710.00	RADAR APPRATUS (RCVR PROTECTR)	
561R243H03	NSL	IMA, PHASE SHIFTER		5	\$27,011.20	\$135,056.00	IMA, PHASE SHIFTER	
580R142H11	598501362 6707	DUMMY LOAD	DPKG5400295224, 65 ea shpd 5/18/20, DPKG5490225222, 28 ea shpd 2/3/19	10	\$287.30	\$2,873.00	Wired Chassis Assembly	
ASW/100-3033-96	NSL	AMPLIFIER		5	\$6,798.90	\$33,994.50	NIL	Not available in T.Os
							\$2,237,928.00	

☐ 5 each Phase Shifters were ordered for Over and Above on DPKGE41356R124 – Minimum quantity of 5 each required. 4 each will be put into the PAFs Lay-In. It is possible to ship to PAF with some cost for inventory and packaging.



Repair/Return

☐ AGENDA TOPIC # 101

☐ ***ECDs on Monthly R&R Report***

- ☐ Monthly Report is downloaded from the New PAF Database, and we are working to populate as much as possible from the monthly reports provided by the repair vendors.
- ☐ The PMO is working with the Falcon 2020 Repair/Return PMO and have identified this as a major issue that needs to be addressed in the follow-on contract which is in work.
- ☐ Receipt Confirmation information provided by the PAF is maintained in our database.
 - ☐ *Immediately sent the vendor contracts specialist assigned to Pakistan.*
 - ☐ *Once confirmed and shipped to the repair vendor, that date is also maintained in the database.*



LOST CONSIGNMENTS

❑ AGENDA TOPIC # 102

❑ **LTDD's**

- ❑ DCN: DPKGE55132R108 NSN: 6605015767054, Inertial Navigation Unit (LN-260) S/N: 501272 – Dispatched to CEVA (FEDEX tracking: 773698819283).
- ❑ DCN: DPKGE55120R101 NSN: 5998014566014, Module Assy (AI02) S/N: 96214C2369 – Dispatched to CEVA (FEDEX tracking: 773698897152).
 - ❑ *Assets determined to be lost by LM.*
 - ❑ SDR Numbers B0092 & B0096 were raised but rejected.
 - ❑ *All good-faith efforts to locate assets were exhausted absolving LM of compensation obligations.*
- ❑ PMO office will continue to monitor efforts to locate these LTDD's
 - ❑ *No further information has become available – 15 Feb 2023*



Canopy Actuators, B-Model

☐ **NSN: 1680010854423WF, P/N: 1685T100-5 \ 16VK013002-2**

☐ ***Returned As Is (RAI) – The following DCN's are dispositioned to be returned to PAF, ECD – TBD***

☐ DPKGE41092R876, DPKGE41092R878, DPKGE41092R879, DPKGE41092R880, DPKGE41092R881, DPKGE41158R910, DPKGE40161R716, DPKGE41092R877, DPKAE41098R891, DPKAE41098R892, DPKAE41098R893, DPKAE41098R894, DPKAE41034R831, DPKAE41327R121.

☐ ***Repaired & Returned – The following DCN's were repaired and shipped to the Freight Forwarder***

☐ DPKAE41124R930 (FedEx Tracking 593413031240)

☐ DPKAE42046R142 (FedEx Tracking 593413180837)

☐ ***In Repair – The following DCN's were funded and too far in the repair cycle to be returned as is.***

☐ DPKAE41176R984 – ECD: 28 Apr 2023

☐ DPKAE42046R143 – ECD: 23 Jun 2023



WEB ROR / LM FALCON 2020 CONTRACT

☐ WEB ROR

- ☐ *All Organic Repair & Return assets must be initiated and processed by PAF through WEB ROR – **Mandatory April 31, 2023***

☐ Falcon 2020 Contract

- ☐ *LM Aero Falcon 2020 contract - Expires August 30, 2023*
- ☐ *All LM Aero Repair & Return requests **must be received by PMO by August 1, 2023**, to ensure contract award.*
- ☐ *Further guidance for GAP period will be provided in coming months.*





F-16 PEACE DRIVE

SPARES REVIEW



Mr. Paul Turner
Spares Manager
Hill AFB

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SPARES REVIEW

<u>DCN</u>	<u>NSN</u>	<u>NOUN</u>	<u>QTY</u>	<u>EDD</u>	<u>INFORMATION</u>
DPKA5413005129	4810012257171	VALVE REGULATING	2	30-Jun-23	PR 21-02564, Package required a New SAW In the funding process.
DPKA5411405128	2840014559138	LINER, AUGMENTOR COMPONENT	80	30-Jul-23	
DPKA5411525151	1650016244595	CYLINDER ASSEMBLY, ACTUATING, LINEAR	2		
DPKA5400495121	5340012558031	FUEL TANK ACCESS COVER	1	28-Nov-23	



SPARES REVIEW

<u>DCN</u>	<u>NSN</u>	<u>NOUN</u>	<u>QTY</u>	<u>EDD</u>	<u>INFORMATION</u>
DPKG5471555209	2995014336462	Control Exhaust	6	BV 23090	Part has had issues across P&W's entire customer base. Coating contamination at supplier involving the production of detail parts. Orders continue to be delayed awaiting components.
DPKG5481085208	2840013084465	Augmentor Nozzle Section	4	BV 23031	
DPKG5490225232	8010002970587	Enamel	2 GAL	BB	Several SAR's and emails have been sent to DLA. Awaiting response from DLA
DPKG5492305205	1650016244595	CYLINDER ASSY, ACTUATING, LINER	1	BV 23152	
DPKG5400655234	1730012505469	Access Unit, Replenisher	2	BV23355	
DPKG5400655219	1270011544865	Support, Left	5	BV 24267	
DPKG5400655220	1440012853096	Fairing, Launcher	2	BV 24108	



SPARES REVIEW

<u>DCN</u>	<u>NSN</u>	<u>NOUN</u>	<u>QTY</u>	<u>EDD</u>	<u>INFORMATION</u>
DPKG5400655230	1660014733547	Concentrator, Oxygen	3	BV24093	
DPKG5422695211		HUD LVPS (Procurement)	10	BZ	
DPKG5401605211	2935010852864	Cooler, Lubricating	2	BV24060	
DPKG5401755201	2935010852864	Cooler, Lubricating	2	BV24060	
DPKG5410785219	2935010852865	Cooler, Lubricating	3	BV24061	
DPKG5411585201	5826016934875	URT-46 BEACON RADIO	106	BV 23289	
DPKG5411585202	5826016934876	URT-46 BEACON RADIO	24	BV23221	



SPARES REVIEW

<u>DCN</u>	<u>NSN</u>	<u>NOUN</u>	<u>QTY</u>	<u>EDD</u>	<u>INFORMATION</u>
DPKG5420345202	P/N PD6602000000-21	Advance Data Transfer Cartridge	10	PROS	26 Jul 2022, PROS CG Cancelled due to No Bids received for this Requisition.
DPKA5482605102	28400015042791	Support Assy Turbine Duct	8	Shipped	2 EA 192115, 8 EA 22151
DPKA5400215102	2840015042791	Support Assy Turbine Duct	5	SHP 22151	
DPK95402375201	1560015148686	Fitting, Structural	2	RCVD HAFB 31 May 22	Needed for Wing Repair at ES3
DPKG5413615201	6110012533329	Distribution Box	1	Cancelled	Cancelled 22308, 30 Nov 22 PAF Notified Program Office these were being procured through DCS
DPKG5413615202	6110012533330	Distribution Box	2	Cancelled	Cancelled 22308, 30 Nov 22 PAF Notified Program Office these were being procured through DCS



SPARES REVIEW

<u>DCN</u>	<u>NSN</u>	<u>NOUN</u>	<u>QTY</u>	<u>EDD</u>	<u>INFORMATION</u>
DPKG5420345202	P/N PD6602000000-21	Advance Data Transfer Cartridge	10	PROS	26 Jul 2022, PROS CG Cancelled due to No Bids received for this Requisition.
DPKA5482605102	28400015042791	Support Assy Turbine Duct	8	Shipped	2 EA 192115, 8 EA 22151
DPKA5400215102	2840015042791	Support Assy Turbine Duct	5	SHP 22151	
DPK95402375201	1560015148686	Fitting, Structural	2	RCVD HAFB 31 May 22	Needed for Wing Repair at ES3
DPKGE49072R594					Completed 18 Jan 2023 FED-EX #393410802881
DPKGE49072R595					In Work new ECD 28-Jul-23
DPKGE40058R671					Buyer reported this is a Major Repair and will require a funding mod.



URT-44

- ☐ Email sent March 10, 2022, From Project Falcon acknowledging items needed, however no reply on how to move forward on this.

<u>ITEM</u>	<u>NSN</u>	<u>PART NUMBER</u>	<u>ON HAND</u>	<u>LAST ORDERED</u>	<u>PRICE</u>	<u>UNIT ISSUE</u>	<u>Total Per 10ea</u>
Battery, Lithium Cell	6135-01-572-9340		0	8/26/2022	\$69.16	EA	\$691.60
Dust Cap Assembly	5340-01-571-7833		536	5/5/2022	\$26.77	EA	\$267.70
	KIT						
Blade Antenna Assembly	5985-01-571-8940		282	11/23/2018	\$161.91	EA	\$1,619.10
Screw, Blade Antenna	5305-01-580-9833		6548	9/14/2020	\$1.18	EA	\$11.80
Lanyard Assembly	4020-01-572-0685		206	9/14/2020	\$51.29	EA	\$512.90
Top Assembly AN/URT-44	5826-01-569-2421		29	1/1/1970	\$4,159.11	EA	\$41,591.10
Trailing Wire Antenna Assembly	5982-01-595-7112		386	8/19/2022	\$1,420.52	EA	\$14,205.20
Trailing GPS Antenna Assembly	5985-01-571-8941		569	8/19/2022	\$766.21	EA	\$7,662.10
O-Ring, Battery Cover	5331-01-587-6264		367	3/18/2022	\$13.99	EA	\$139.90
O-Ring Trailing Antennas	5331-01-587-6266		2343	2/1/2022	\$4.79	EA	\$47.90
O Ring Blade Antenna	5331-01-580-9840		956	5/3/2022	\$6.57	EA	\$65.70
Remote Control Assembly	6150-01-571-9588		477	8/25/2022	\$2,674.31	EA	\$26,743.10
AN/URT-44 Label Set (6 Labels in Figure 11)							
Operator Interface Unit CD							
							\$93,558.10

