



NAVSEA

WARFARE CENTERS

Indian Head EOD Technology Division

NAVAL SURFACE WARFARE CENTER

INDIAN HEAD EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION

CAD/PAD International Logistics Meeting (2018 ILM)

CAD/PAD Health Metric H-1



CAD/PAD Health Assessment



DODICs with Trace Data	Current data		Projected - lose largest lot		Production Risk	Technical Risk	Overall Risk	OA Scheduled	Next Est. Delivery Date	TMS
	No SLEs	Params applied	No SLEs	Params applied						
JL42	Green	Green	Green	Green	0-1 Months	1-3 Months	No Risk	FY18	NONE	AH-1Z, E-2D, EA-18G, FA-18A, FA-18B, FA-18C, FA-18D, FA-18E, FA-18F, NEA-18G, NFA-18C, NFA-18D, UH-1Y
JL43	Green	Green	Green	Green	0-1 Months	0-1 Months	No Risk	FY18	NONE	AH-1Z, EA-18G, FA-18A, FA-18B, FA-18C, FA-18D, FA-18E, FA-18F, NEA-18G, NFA-18C, NFA-18D, UH-1Y
JL44	Green	Green	Green	Green	3-6 Months	0-1 Months	No Risk	FY18	NONE	AH-1Z, EA-18G, FA-18A, FA-18B, FA-18C, FA-18D, FA-18E, FA-18F, NEA-18G, NFA-18C, NFA-18D, UH-1Y
JM82	Green	Green	Yellow	Yellow	0-1 Months	0-1 Months	Med. Risk	SMDC	NONE	AH-1Z
JM83	Green	Green	Yellow	Yellow	0-1 Months	0-1 Months	Med. Risk	SMDC	NONE	AH-1Z
JM84	Green	Green	Yellow	Yellow	0-1 Months	0-1 Months	Med. Risk	SMDC	NONE	AH-1Z
M190	Green	Green	Green	Green	0-1 Months	0-1 Months	No Risk	FY20	NONE	AH-1W, AH-1Z, CH-53E, HH-1N, KC-130J, KC-130T, UH-1N
M193	Green	Green	Green	Green	No History	0-1 Months	No Risk	FY21	NONE	AH-1W, CH-46E, HH-1N, T-44C, UH-1N
M514	Green	Green	Green	Green	3-6 Months	0-1 Months	No Risk	FY19	NONE	CH-46E, CH-53E, HH-1N, HH-60H, HH-60J, HOIST, MH-53E, MH-60R, MH-60S, MV-22B, NSH-60B, SH-60B, SH-60F, UH-1N, UH-1Y, UH-60A, UH-60L
MD16	Green	Green	Green	Green	0-1 Months	0-1 Months	No Risk	FY19	8/10/2018	AH-1W, AH-1Z
MD17	Green	Green	Green	Green	1-3 Months	0-1 Months	No Risk	FY19	NONE	AH-1W, AH-1Z
MD33	Green	Green	Green	Green	No History	0-1 Months	No Risk	FY19	NONE	AH-1W, AH-1Z
MD36	Green	Green	Green	Green	No History	0-1 Months	No Risk	FY19	4/9/2019	AH-1W, AH-1Z
MF97	Green	Green	Red	Red	1-3 Months	0-1 Months	Med. Risk	FY19	NONE	AH-1W, AH-1Z
MS63	Green	Green	Red	Red	3-6 Months	0-1 Months	Med. Risk	FY19	7/18/2018	AH-1W, AH-1Z
MS64	Green	Green	Red	Red	3-6 Months	0-1 Months	Med. Risk	FY19	7/18/2018	AH-1W, AH-1Z
MS66	Green	Green	Green	Green	6+ Months	0-1 Months	No Risk	FY19	NONE	AH-1W
MT95	Green	Green	Green	Green	0-1 Months	1-3 Months	No Risk	FY18	5/31/2018	AH-1W, AH-1Z, MH-53E, MH-60S, UH-1N, UH-1Y, UH-60L
SS12	Green	Green	Red	Red	No History	0-1 Months	Med. Risk	FY19	6/11/2018	AH-1W
SS13	Green	Green	Green	Green	1-3 Months	0-1 Months	No Risk	FY19	NONE	AH-1W
SS14	Green	Green	Red	Red	1-3 Months	0-1 Months	Med. Risk	FY19	7/18/2018	AH-1W, AH-1Z
SS15	Green	Green	Green	Green	1-3 Months	0-1 Months	No Risk	FY19	7/18/2018	AH-1W, AH-1Z
SS16	Green	Green	Green	Green	1-3 Months	0-1 Months	No Risk	FY19	7/18/2018	AH-1W, AH-1Z
SS17	Green	Green	Yellow	Yellow	0-1 Months	0-1 Months	Med. Risk	FY19	8/10/2018	AH-1W, AH-1Z
SS45	Green	Green	Green	Green	No History	0-1 Months	No Risk	FY19	4/9/2019	AH-1W, AH-1Z
SS46	Green	Green	Green	Green	No History	0-1 Months	No Risk	FY19	NONE	AH-1W, AH-1Z
WB47	Green	Green	Green	Green	0-1 Months	0-1 Months	No Risk	FY19	NONE	AH-1Z
WB49	Green	Green	Green	Green	No History	0-1 Months	No Risk	FY19	NONE	AH-1Z
WB50	Green	Green	Green	Green	No History	0-1 Months	No Risk	FY19	NONE	AH-1Z
WB53	Green	Green	Green	Green	6+ Months	0-1 Months	No Risk	FY21	NONE	AH-1W, CH-46E, HH-1N, HH-60H, MH-60R, MH-60S, NSH-60B, NVH-3A, SH-60B, SH-60F, T-44C, UH-1N, UH-3D, UH-60L, VH-3D, VH-60N
XW52	Green	Green	Red	Red	0-1 Months	0-1 Months	Med. Risk	FY18	9/18/2018	AH-1W, AH-1Z, EA-18G, FA-18A, FA-18B, FA-18C, FA-18D, FA-18E, FA-18F, NEA-18G, NFA-18C, NFA-18D
XW70	Green	Green	Red	Red	6+ Months	0-1 Months	Med. Risk	FY18	7/1/2018	AH-1W

H-1 Trouble Item Summary



DoDIC	Name	Issue	Current Mitigation	Get Well Date	Future Mitigation
MF97	Shielded Mild Detonating Cord (SMDC)	Obsolete <ul style="list-style-type: none"> - Item is only used on AH-1W - No additional procurements are planned through sundown of AH-1W 	<ul style="list-style-type: none"> - Continue to support in AH-1W until the platform is sunset or upgraded. 	May 2021	Sunset with AH-1W platform Not used on AH-1Z
MD33	Window Cutting Assembly	Aircraft interface <ul style="list-style-type: none"> - Newly produced MD33 units are not able to attach to newly produced airframes without modification 	<ul style="list-style-type: none"> - "Hole Doublers" are used to allow mounting hole alignment 	Unknown	Update MD33 or airframe manufacture process or specification to eliminate mismatch

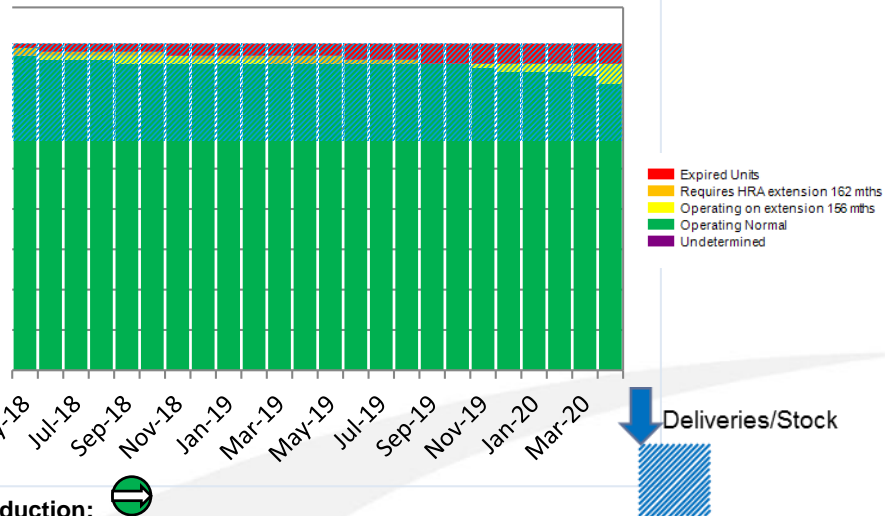
MF97 Shielded Mild Detonating Cord (SMDC)

Shelf Life 240 / Installed Life 150

As of 1 May 2018



Project Overview / Summary



Production:

- No planned procurement/production for this component
- SMDC is constantly in production, so if order was put in place no production issues would be expected
- Not used in AH-1Z, MF97 will sunset with AH-1W

Service Life Extensions (SLE):

- Well established test history with SMDC, extensions should be able to mitigate short stock shortfalls

Future Ordnance Assessment (OA):

- Last conducted OA Test was 2014, next scheduled OA 2019

Help Needed

- Communicate any changes in planned sundown date

Current Status / Actions / Risks

Likelihood		5					Milestone	Baseline	Current
	4								
	3								
	2								
	1	I				u			
		1	2	3	4	5	Consequence		

(I)nventory/E-Stock:

- If there is an undiscovered latent defect that eliminates the wholesale inventory, we would not have material to support scheduled replacements
- Mitigation – Service Life Extensions

S(u)ndown:

- If AH-1W USMC sundown does not occur by approximately 2025, current inventory and extensions will not support all aircraft
- Mitigation – monitor sundown date and pursue contract if required

MD33 Window Cutting Assembly

Shelf Life 216 / Installed Life 102

As of 1 May 2018



- During AH-1Z aircraft manufacture MD33 cannot be installed as designed in approximately 20% of aircraft
- Hole doublers are used to allow fastener hole alignment on mismatched components
- MD33 units appear to meet the United States Government Technical Data Package
- PMA-201 and NSWC IHEODTD recommend review of the interface requirements and identify any changes required to item and/or airframe data packages