



CAD/PAD International Logistics Meeting (ILM)

T-45 USN/USMC Platforms Status and Training

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Distribution Statement A (19-072): Approved for Public Release. Distribution unlimited.





State of the T-45 Platform

- BLUF: There are items that have production delays and failures
- M720 Cartridge Actuated Initiator late deliveries resulting in Risk Assessment (RA) Program Office approval
 - Previously installed assets being sent back to Naval Surface Warfare Center Indian Head EOD Technology Division for testing



T-45 Agenda

- Platform Department of Defense Identification Code (DODIC) Summary
- Interim Rapid Action Changes (IRAC)
- Service Life Extensions (SLE)
- Conventional Ordnance Deficiency Reports (CODR)
- DODIC Status
- DODIC Update
- Questions



T-45 CAD/PAD Summary

FY19	FY20	FY21	FY22	FY23	FY24
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SS52 GWD
July 2019

M720 GWD
Sep 2019

MU37 GWD
TBD

Aircraft Grounded	Operating at Serious Risk	Operating at Medium Risk	No additional CAD/PAD risk

Critical DODICs	Issue	Potential or Current Impact
M720 Initiator, Cartridge Actuated	Production – propellant currently not acceptable, under investigation	SLEs continue, program office accepted risk authorized SLEs only up to 126 months installed
MU37 Shielded Mild Detonating Cord (SMDC)	Production - SMDC contracts and procurement requests back logged over 2 years	SLEs and cannibalize from downed aircraft (USAF does not have any to borrow)
SS52 SMDC	Production - Production line is backlogged with several high demand requirements	SLEs continue, RA will be required for further extensions approved by program office

Actions in process to get well

- Working with PMA-Applying SLE to keep aircraft operational
- Longer lead times and contract options being considered

Help Needed

- Assets returned to NSWC IHEODTD for OA



IRACs

- **IRAC #145, OCT 2018**
- Service Life Exceptions for DODIC MF72
 - DODIC MF72 permanently changed the shelf life from 192 to 204 months and changed the installed life from 120 to 132 for lots with prefix (SCN or CHG) only. All other MF72 lots remain unchanged at 192 months shelf and 120 months installed.
- **IRAC #146, DEC 2018**
- Service Life Exceptions for DODIC CWDR
 - DODIC CWDR permanently changed the shelf life from 120 to 144 months. Permanently changed the installed life from 96 to 120 months.



T-45 SLEs



DODIC	Approved Beyond	Approved	Limited Approval	Denied	Total
CWDR	0	24	5	0	29
M720	2	58	74	0	134
MF72	2	1	0	0	3
MJ98	0	1	0	0	1
MT13	1	6	1	0	8
MT16	0	16	11	1*	28
MT29	0	3	0	0	3
MT30	0	3	0	0	3
MT31	0	2	0	0	2
MT88	0	3	1	0	4
MT91	0	4	0	0	4
MT98	0	1	0	0	1
MW19	0	22	1	0	23
				* Asset too old to extend	

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T-45 SLEs (con't)

Navy had 324 SLE requests for FY19

DODIC	Approved Beyond	Approved	Limited Approval	Denied	Total
SS52	0	8	0	0	8
SU54	0	3	0	0	3
SU58	0	14	3	0	17
SV01	0	3	0	0	3
SV02	0	2	0	0	2
WB15	0	5	0	0	5
WB16	0	7	0	0	7
WB54	2	14	9	9	34
XW53	0	1	0	0	1
XW54	0	1	0	0	1
XW78	0	5	0	0	5
GRAND TOTAL	7	207	105	10	324



CODRs

<u>DODIC</u>	<u>Qty.</u>	<u>Issue</u>
MU37	2	Inadvertent Actuation/Bent tip
SR96	2	Drop/ Inadvertent Actuation
SR97	1	Inadvertent Actuation
SR98	1	Inadvertent Actuation
SR99	1	Inadvertent Actuation
SS02	1	Inadvertent Actuation
SS03	1	Inadvertent Actuation
SU55	1	Inadvertent Actuation/TFOA*
SU56	1	Inadvertent Actuation
SU57	1	Inadvertent Actuation

*** Things Falling Off Aircraft**



CODRs (con't)

T-45 platform had 10 CODRs since last ILM (June 2018)

<u>DODIC</u>	<u>Qty</u>	<u>Issue</u>
SU76	1	Inadvertent Actuation
SU89	1	Inadvertent Actuation
SU91	1	Inadvertent Actuation
SU98	1	Inadvertent Actuation
SV01	1	Inadvertent Actuation
XW78	2	Inadvertent Actuation

Total Assets 19

Replacement Cost Approximately \$42,400



T-45 DODIC Status



DODIC	IHEODTD Inventory	World-Wide Inventory	Awaiting Change Outs	Mitigation
M720	Low	Low	Apr 19 (1) May 19 (1) Aug 19 (1) Oct 19 (9) Nov 19 (7) Dec 19 (81)	Issue SLEs, monitoring very low stock
MU37	Low	Low	0	Issue SLEs, request to expedite deliveries
SS52	Low	Low	Apr 19 (1)	Issue SLEs, request to expedite deliveries



M720 DODIC Update



M720 issues

- Cartridge Cases:
 - Current supplier having issues providing acceptable parts
 - Lot rebuild due to not meeting drawing requirements
 - More cases ordered from another supplier due 18 April 2019
- Propellant Issues:
 - Grains missing perforations
 - RFV being submitted to use grain lots “as is”
 - Requested units be delivered prior to 30 September 2019



Questions?

