Presented to:



AAAA 13th Luther G. Jones Army Aviation Depot Forum

CCAD Readiness Panel

AED Engineering Support for CCAD Readiness



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We are AED's logistics experts, focused on providing outstanding airworthiness engineering to all types of maintenance and spares activity.





- AED supports:
 - Overhaul/RECAP of airframe and components
 - Crash damage repair
 - New repair development





TAILBOOM DAMAGE T/N 07-07035 (AH-64D)





CRASH DAMAGE T/N 10-09008 (AH-64E)







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- 32 UH-60A to UH-60L RECAPS accomplished in FY17
- Currently the H-60 line is in the process of preparing and converting to the H-60V line. This conversion will be the Army's first attempt at designing and performing upgrade, work will be in conjunction with the overhaul of that aircraft
- 2 On Condition Maintenance (OCM)/ crash damaged, including H-60M.



AMRDEC

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- AED supports Cross-service workload at CCAD
 - 3 Pave Hawks completed depot maintenance in FY17
 - USMC AH-1W and USN/USAF UH-1N, component support



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One Year Look at T700 Engines



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- 399 T700 engines have been inducted for overhaul at the Depot
- AED processed 217 MECs for the T700 Engine
- By working with GE, the DMWR was developed for Multi-tier maintenance:
 - Minor Repair

- Major Repair
- Recapitalization
- A repair procedure was implemented to prevent the intermittent oil leak present with the B-Sump that was present over the last 2 decades.

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- CH47 Cargo Team had developed repair and overhaul for 50 swivel housings to fulfill immediate gap in supply in 2014 (all models)
- CARGO PM tasked AEM to capture and/or develop all technical data and graphics for inspection, repair, overhaul, testing to create CH-47F DMWR 1-1650-301 IAW MIL-STD-40051-2C
- CH47F Aft Landing Gear Swivel Housing Assembly, P/N 414L2332-5, DMWR 1-1650-301, entire manual created in IADS





- A significant number of EPUSHA Pump assets were failing on aircraft, and new assets had to be acquired
- CARGO PM tasked AEM to capture and/or develop all technical data and graphics for inspection, repair, overhaul, testing to create a CH-47F DMWR IAW MIL-STD-40051-1C
- CH47F EPUSHA Pump, P/N 3032171-001, Drafted DMWR in review; waiting on validation and verification







- 3 main goals of SAFR parts process:
 - Reduce O&S costs for Army aircraft
 - Increase fleet readiness
 - Improve safety
- Return to Service Success: ~95% of Reparables
- Reparable Parts to CCAD in FY17: 425 ea. @ \$8.9M in Cost Avoidance







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