



THE
PREVENTIVE
MAINTENANCE
MONTHLY

SERGEANT'S TIME TRAINING SUPPORT

AH-64D/E: Trouble with MUMT?

An Easy Outline for Sergeant's Time Training

(Note to Sergeants: Here's an easy training outline you can follow any time your unit has a free minute. A problem & solution format is provided below, with a link to the article on which this training is based for further information. Use this outline or add more info as you see fit. Make it yours & make it matter! – *PS Magazine*)

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To assist with this training, use the following article on the PS Magazine website:

<https://www.psmagazine.army.mil/News/Article/2718188/ah-64de-trouble-with-mumt/>

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Problem: Why are maintainers encountering poor Manned Un-Manned Teaming (MUMT) signal strength on systems that check out with a test set, while pilots are reporting having bad video in the Apache aircraft?

Solution: Loose connectors on the remotely operated vehicle enhanced radio (ROVER) and the radio frequency equipment (RFE)—particularly the radio frequency or RF cables between them—appear to be the cause. If the connectors come loose, either due to incorrect installation or while in flight, it can cause a weak signal to be transmitted and received by the MUMT system.

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Problem: What impacts do loose cables have on the MUMT system?

Solution: Faults associated with bad or loose cables show up as loopback failures on the Air to Air to Ground (AAG) system. The V4.1- and V6-equipped units with Manned Un-Manned Teaming Expanded (MUMT-X) will have more detailed faults relating to Transmit (Tx)/Receive (Rx) signal failures or power control issues.

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Problem: What is the fix for the MUMT System?

Solution: The steps for installing these components are in TM 1-1520-Longbow/Apache IETM (May 02) under *remove, inspect, and install*. If you're working with the Air to Air to Ground Expanded, (AAG-X) MUMT, make sure you select the V4.1 Modification Work Order (MWO) option for your tail number in the IETM.