

MEMORANDUM FOR SFAE-AV-UH (Mr. Wally Newcomb)

SUBJECT: Use of Digital Compass CA-320 on UH-60 to Satisfy Scheduled 12 Month Stand-By Compass Swing Requirement (TN79553)

1. Reference, Operators manual, Capitol Avionics CA-320, PN 150-102-5.
2. The Aviation Engineering Directorate (AED) has reviewed request to use a reference master compass in lieu of the compass rose method to meet annual compass swing requirements from an airworthiness and engineering point of view. This request was originated from Camp Humphreys, Korea. The AED approves the use of the master compass CA-320, provided that the procedure for calibration and attachment to the aircraft in section 3 of the Operator's Manual is followed by adaptation for rotary wing use to minimize magnetic interaction with the airframe and its systems. This will insure maximum accuracy of the reference instrument. Use of a master calibrating compass is authorized in the relevant Technical Manual for UH-60 aircraft.
3. There are also other alternative methods for Units that do not have a compass rose available to do a compass swings. Every 12 months, there is a requirement in TM 1-1520-237-23-12, WP 1706 00 that Compass Indicators (gyromagnetic and magnetic standby) be checked for correct readings on all cardinal headings per TM 1-1500-204-23. A description of the authorized compensating methods for both compasses is located in TM 1-1500-204-23-4, paragraph 4-3.o-p (pages 4-24 thru 4-30).
4. The point of contact for this action is Mr. Mark Coble, (256) 313-3104, email, mark.a.coble@us.army.mil.

For Ralph C. Vemmer

JAY P. MERKEL
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CF:

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