

## Grant Robinson

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**From:** McConnell, DAVE P <dave.p.mcconnell@lmco.com>  
**Sent:** Tuesday, March 07, 2017 1:59 PM  
**To:** Grant Robinson  
**Subject:** S-92 Battery Servicing

Grant;

Per the observations posed by Graham, the following changes will be made to aircraft battery servicing procedures in the S-92 AMM.

Case Number: C0052679  
Customer: Thai Aviation Services Limited  
Aircraft S/N: 920XXX  
Aircraft Model: S-92A  
ATA: 24  
Part Number: 92550-01027-013  
Case Subject: Aircraft Battery Servicing - Request For Clarification

### **Problem Description:**

Reference AWL Calendar Inspection Checklist Item 10 - 12-month Task 24-31-01-760-001 – Testing of 15 Amp and 24 Amp Hour Battery

Task 24-31-01-760-001 tells the maintainer to set the BATT switch to ON and confirm that specific legends illuminate.

Is this a valid Task? The aircraft battery is effectively tested per this Task every time maintainers or crews apply aircraft power.

The Remarks column refers the maintainer to the Marathon Maintenance Manual. If this Task is valid, please advise which specific sections of the Marathon Norco Aerospace Operating and Maintenance Manual apply to a 12-month inspection.

Reference AMM Task 24-31-01-610-001 - Servicing of Aircraft Battery - Second Note - "Full service in accordance with the Marathon Norco aircraft battery CMM should take place between 21 and 90 days."

This Task does not appear in the AWL. Is this a valid requirement?

The reference to "Full Service" is ambiguous. The Marathon CMM does not address "Full Service" requirements. If this Task is valid as per Question 1, please advise which specific sections of the Marathon CMM apply to Full Service.

### **Problem Resolution:**

As a result of the questions included with this case, and after a review of the Battery testing requirements in the AMM and AWLR, the following changes are scheduled to be implemented:

- 1) The 12-month test requirements will be changed to a 12-month Battery Capacity test, to be accomplished in accordance with procedures in the manufacturer's CMM (MarathonNorco Aerospace, Inc - 24-34-00). Ref the 12-month requirements as indicated below:
  - a) AMM section 5-20-00, page 2, SCHEDULED MAINTENANCE CHECKS, Task 5-20-00-200-001. Para. F. – Scheduling (middle of chart)
  - b) AMM Section 5-20-00, page 29, Calendar – Inspection Checklist, TASK 5-20-00-200-009, Para. 8.A. – Item 10

- 2) Under AMM section 24-31-01, page 409/410, Servicing of Aircraft Battery, TASK 24-31-01-610-001, Para. 5 – the second note, that references service between 21 and 90 days, will be removed.
- 3) TASK 24-31-01-760-001 -- Para. 4. Testing of 15 Amp and 24 Amp Hour Battery – will remain as a valid test for the battery, following Installation (TASK 24-31-01-900-002) &/or Conversion (TASK 24-31-01-850-001) only.

It is anticipated that these changes will be included in the planned update to the AMM, Revision 35 dated June 30/17.

**David P. McConnell**

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