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| NUMBER | SIL 1704 |
| TO | Gogo Commercial Aircraft Services |
| SUBJECT | Lightning Strike Protocol |
| REVISION | Rev A |
| DATE | 8/4/17 |

AFFECTED ASTRONICS AEROSAT PRODUCT

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| DESCRIPTION | FMU HPT ACMU |
| PART NUMBER | 70-100-0000-XX, 002-2000-000X, 005-1040-000X |
| PART NUMBER REVISION | All Revisions |

1.0 COMPLIANCE – RECOMMENDED

When it has been reported that an aircraft carrying Astronics KU SATCOM System equipment has been struck by lightning and then experiences connectivity discrepancies and outages, Astronics recommends that all LRUs be replaced simultaneously.

2.0 BACKGROUND

It has been discovered that after a lightning strike, the potential of a latent failure exists. Troubleshooting the F-210 system down to a single LRU may prove to be ineffective. The system may introduce a failure probability upstream or downstream to the other connected LRUs, thus creating a continuous system failure. Repair actions are best completed when all three LRUs (FMU, HPT, and ACMU) are replaced at the same time.

3.0 PURPOSE

The purpose of this SIL is to reduce troubleshooting time and eliminate multiple LRU replacements of the same LRU unit. This in turn will reduce costly down time and excessive RMAs.

4.0 SCOPE

This SIL is applicable to all aircraft carrying the Astronics AeroSat F-210 SATCOM System.

5.0 APPROVAL

N/A

6.0 RECOMMENDED ACTION

Astronics AeroSat recommends that all LRUs, to include the FMU, HPT and ACMU, be replaced simultaneously after it is reported that an aircraft carrying the Astronics AeroSat F-210 SATCOM System has been struck by lightning. In addition, a full wire harness and cabling ring out, including an inspection of the bulkhead feed-thrus, is recommended prior to system turn on.

CONTACT INFORMATION

For questions regarding this Service Information Letter, please contact Astronics AeroSat Product Support.

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