Safety Regulation Group
Applications and Certification Section

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URGENT SAFETY INFORMATION

LETTER TO OWNERS/OPERATORS NO 2533
Airbus A340, A330, A300/310 and Airbus Single Aisle Aircraft.
Standby Instrument System Pt No C16221DB04

An Airbus A340-600 recently experienced an in-flight failure of the Standby Instrument System (ISIS) followed some time later by an un-related failure of all main display units.

It appears that the ISIS unit P/N C16221DB04 failed as a result of a current power time anomaly. These units "time out" after approximately 145 operating hours unless a power reset operation is carried out. This ISIS unit is also known to be fitted to A318, A319, A320, A321, A330 and other A340 aircraft and may also be fitted to A300/310 aircraft.

This LTO is raised to highlight this ISIS power-down anomaly and to strongly recommend that the following measures be implemented immediately.

On a daily basis or <u>at least</u> at every aircraft main base visit carry out Airbus Technical Follow-up Procedure 34.20.00.002. This procedure prevents the ISIS from powering down in flight by regularly removing the ISIS power supply on the ground for at least 60 seconds which ensures that electronic circuits are reset.

A visual check of the display must ensure that it is blank for the required period to ensure that power has been completely removed during the procedure.

Blanking of main displays (EIS 2) due to ISIS current power-time anomalies is prevented by the application of modified software which is now available (version L5 for the A340-600). It is therefore recommended that new EIS2 L5 software installed under SB 31-5012 is embodied as soon as is practicable to prevent further occurrences of main display blanking. For single aisle aircraft (A318, A319, A320 and A321), a modified EIS 2 software version S4-2 is now available and should also be installed as soon a practicable.

Modified ISIS units are available for the A330/340 and for the single aisle aircraft which should be available in early 2005 to rectify the power anomaly issue.

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