

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
210	IOM Offside RMP ARINC 429 Input - No Data Test	System	Non-fatal	Loss of Offside RMP ARINC interface	None if Onside RMP is available
211	IOM Offside RMP ARINC 429 Input - Invalid Data Test	External	Non-fatal	Loss of Offside RMP ARINC interface	None if Onside RMP is available
212	IOM AESU Position discretes - Invalid State Test	System	Non-fatal	If this fault occurs after Initialization, then the AESU is using a Valid combination of the Position discretes and therefore all AESS functions are fully operative. And if an Invalid combination is detected while Initializing, then the IOM will cease all outputs.	If this fault occurs after Initialization, then the AESU is using a Valid combination of the Position discretes and therefore all AESS functions are fully operative. And if an Invalid combination is detected while Initializing, then all AESS functions are inoperative.
213	IOM Onside Stuck Emergency Cancel Switch Test	System	Non-fatal	Emergency Cancel Discrete is unreliable.	Two cases: (1) If Emergency Cancel discrete is stuck active then there is no system effect. (2) If Emergency Cancel discrete is stuck inactive then the system effect is the loss of capability to cancel alerts by flight crew. This condition detected by flight crew when an attempt to cancel is made and does not occur.

EFFECTIVITY _____
ALL**34-48-01**Page 1108
1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
214	IOM ABV Lamp Disagree Fault Test	System	Non-fatal	Reported activation status of lamp switch is inconsistent with the actual status	Lamp status unreliable and unusable
215	IOM BLW Lamp Disagree Fault Test	System	Non-fatal	Reported activation status of lamp switch is inconsistent with the actual status	Lamp status unreliable and unusable
216	IOM TA Only Lamp Disagree Fault Test	System	Non-fatal	Reported activation status of lamp switch is inconsistent with the actual status	Lamp status unreliable and unusable
217	IOM G/S Mode Lamp Disagree Fault Test	System	Non-fatal	Reported activation status of lamp switch is inconsistent with the actual status	Lamp status unreliable and unusable
218	IOM "SYS 1" Selected WXR/TAWS and WXR/TAWS SYS 1 Lamp Disagree Fault Test	System	Non-fatal	Reported activation status of lamp switch is inconsistent with the actual status	Lamp status unreliable and unusable
219	IOM "SYS 1" Selected WXR/TAWS and WXR/TAWS SYS 2 Lamp Disagree Fault Test	System	Non-fatal	Reported activation status of lamp switch is inconsistent with the actual status	Lamp status unreliable and unusable
220	IOM "SYS 2" Selected WXR/TAWS and WXR/TAWS SYS 2 Lamp Disagree Fault Test	System	Non-fatal	Reported activation status of lamp switch is inconsistent with the actual status	Lamp status unreliable and unusable

EFFECTIVITY

ALL

34-48-01

Page 1109
1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
221	IOM "SYS 2" Selected WXR/TAWS and WXR/TAWS SYS 1 Lamp Disagree Fault Test	System	Non-fatal	Reported activation status of lamp switch is inconsistent with the actual status	Lamp status unreliable and unusable
222	IOM Both WXR/TAWS SYS Lamps On Fault Test	System	Non-fatal	Lamps for WXR/TAWS Sys1 and WXR/TAWS Sys2 are activated at the same time.	Lamp status unreliable and unusable
223	IOM "SYS 1" Selected XPDR/TCAS and XPDR/TCAS SYS 1 Lamp Disagree Fault Test	System	Non-fatal	Reported activation status of lamp switch is inconsistent with the actual status	Lamp status unreliable and unusable
224	IOM "SYS 1" Selected XPDR/TCAS and XPDR/TCAS SYS 2 Lamp Disagree Fault Test	System	Non-fatal	Reported activation status of lamp switch is inconsistent with the actual status	Lamp status unreliable and unusable
225	IOM "SYS 2" Selected XPDR/TCAS and XPDR/TCAS SYS 2 Lamp Disagree Fault Test	System	Non-fatal	Reported activation status of lamp switch is inconsistent with the actual status	Lamp status unreliable and unusable
226	IOM "SYS 2" Selected XPDR/TCAS and XPDR/TCAS SYS 1 Lamp Disagree Fault Test	System	Non-fatal	Reported activation status of lamp switch is inconsistent with the actual status	Lamp status unreliable and unusable
227	IOM Both XPDR/TCAS SYS Lamps On Fault Test	System	Non-fatal	Reported activation status of lamp switch is inconsistent with the actual status	Lamp status unreliable and unusable

EFFECTIVITY

ALL

34-48-01

Page 1110
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
228	IOM iomOnsideMaster and iomOffsideMaster Comparison Test	System	Non-fatal	IOMs on both AESUs are master	None. Pilot may set one AESU to be master (indication provided that both AESUs are master).
229	IOM iscA429Rx1Fault Test	System	Non-fatal	CP A429 Receive (Label 270) is not available	None
230	IOM iscA429Rx2Fault Test	System	Non-fatal	CP A429 Receive (Label 271) is not available	None
231	IOM AFDX Channel A Input Data Not Available during Normal Operations Test	System	Non-fatal	Loss of input data on AFDX Channel A	None if AFDX Channel B is operational. Updates MFD that Channel A is lost.
232	IOM AFDX Channel B Input Data Not Available during Normal Operations Test	System	Non-fatal	Loss of input data on AFDX Channel B	None if AFDX Channel A is operational. Updates MFD that Channel B is lost.
233	IOM AFDX Channel A and Channel B Input Data Not Available during Normal Operations Test	System	Non-fatal	Loss of AFDX input data	No AFDX Data
234	IOM UADF CDS L1 Compatibility Test	System	Non-fatal	The Display Unit with the incompatible part number is not used.	None
235	IOM Offside _AESU_message _BITE_Config Message Refresh Test	System	Non-fatal	AFDX message "BITE_Config" not available from offside AESU	Both AESU might become Masters. Can not transition to Downgraded Mode.

EFFECTIVITY—

ALL

34-48-01Page 1111
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
236	IOM Offside _AESU_message _Controls_Modes _Requests Message Refresh Test	System	Non-fatal	AFDX message "Controls_Modes _Requests" not available from offside AESU	Both AESU might become Masters. Can not transition to Downgraded Mode.
237	IOM AESS CP Compatibility Test	System	Non-fatal	AESS CP inputs are not used	None
238	IOM UADF CDS L2 Compatibility Test	System	Non-fatal	The Display Unit with the incompatible part number is not used.	None
239	IOM UADF CDS L3 Compatibility Test	System	Non-fatal	The Display Unit with the incompatible part number is not used.	None
240	IOM UADF CDS R1 Compatibility Test	System	Non-fatal	The Display Unit with the incompatible part number is not used.	None
241	IOM UADF CDS R2 Compatibility Test	System	Non-fatal	The Display Unit with the incompatible part number is not used.	None
242	IOM UADF CDS R3 Compatibility Test	System	Non-fatal	The Display Unit with the incompatible part number is not used.	None

EFFECTIVITY

ALL

34-48-01Page 1112
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
243	IOM TPL PSM Power Loss Greater than 200 ms with at least one engine running Test	System	Non-fatal	If only TPL supply was interrupted, loss of XPDR/TCAS functions, otherwise loss of all AESS Functionality during power off condition	Loss of AESS functionality during the power off condition and for up to 30 seconds after power is reapplied.
244	IOM WXR PSM Power Loss Greater than 200 ms with at least one engine running Test	System	Non-fatal	If only WXR supply was interrupted, loss of TAWS/WXR functions, otherwise loss of all AESS Functionality during power off condition	Loss of AESS functionality during the power off condition and for up to 30 seconds after power is reapplied.
245	IOM TPL PSM Power Loss Greater than 10 ms and less than 200 ms Test	System	Non-fatal	No AESS Functionality during power off condition	Loss of AESS functionality during the power off condition and for up to 30 seconds after power is reapplied.
246	IOM WXR PSM Power Loss Greater than 10 ms and less than 200 ms Test	System	Non-fatal	No AESS Functionality during power off condition	Loss of AESS functionality during the power off condition and for up to 30 seconds after power is reapplied.

EFFECTIVITY _____

ALL

34-48-01Page 1113
1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
247	IOM AESS CP ARINC 429 Input - No Data received by Onside and Offside AESU Test	System	Non-fatal	Loss of AESS CP Controls (Hard Controls) for Onside AESU	Cannot control Onside AESU via AESS CP. No loss of AESS functionality if soft controls are available via MFDs, otherwise, loss of all AESS functionality. No system impact since alternate AESU is available.
248	IOM NVM AESU Position Invalid Test	System	Non-fatal		None
249	IOM NVM AESU Position Disagree Test	System	Non-fatal	AESU position is unreliable.	None
250	IOM CMF Interactive Display Test	System	Non-fatal	No Displays are available	No Displays are available
251	IOM CMF Interactive Both Capt and F/O Failed AudioTest	System	Non-fatal	No Aural Alerts are available on either Capt's or F/O's speakers	No Aural Alerts are available on either Capt's or F/O's speakers
252	IOM CMF Interactive Capt Failed AudioTest	System	Non-fatal	No Aural Alerts are available on Capt's Speaker	No Aural Alerts are available on Capt's Speaker
253	IOM CMF Interactive F/O Failed AudioTest	System	Non-fatal	No Aural Alerts are available on F/O's Speaker	No Aural Alerts are available on F/O's Speaker
254	IOM TPL PSM No Power Input Test during CMF Manual Test	System	Non-fatal	No Power from TPL PSM	Loss of TCAS and XPDR functions.
255	IOM WXR/TAWS PSM No Power Input Test during CMF Manual Test	System	Non-fatal	No Power from WXR/TAWS PSM	Loss of WXR and EGPWS Functions.

EFFECTIVITY

ALL

34-48-01

Page 1114

1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
256	IOM Manual Reset Test	System	Non-fatal	Loss of AESS functionality during the Manual Reset condition and for up to 30 seconds after the reset is removed.	Loss of AESS functionality during the Manual Reset condition and for up to 30 seconds after the reset is removed.
257-400	reserved				
401	IOM tmpdcpN-dRangeCapt Signal Validity Test	External	Non-fatal	Captain's ND range values are invalid.	No operational impact.
402	IOM tmpdcpbuN-dRangeCapt Signal Validity Test	External	Non-fatal	Captain's ND range values are invalid.	No operational impact.
403	IOM tmpdcpN-dRangeFo Signal Validity Test	External	Non-fatal	FO's ND range values are invalid.	No operational impact.
404	IOM tmpdcpbuN-dRangeFo Signal Validity Test	External	Non-fatal	FO's ND range values are invalid.	No operational impact.
405	IOM tmpdcpNd-ModeCapt Signal Validity Test	External	Non-fatal	Captain's ND mode control states are invalid.	No operational impact.
406	IOM tmpdcpbuNdModeCapt Signal Validity Test	External	Non-fatal	Captain's ND mode control states are invalid.	No operational impact.
407	IOM tmpdcpNd-ModeFo Signal Validity Test	External	Non-fatal	FO's ND mode control states are invalid.	No operational impact.
408	IOM tmpdcpbuNdModeFo Signal Validity Test	External	Non-fatal	Invalid display configuration	No operational impact.
409	Reserved				
410	IOM Comparison of SPP with Values in NVM Test	External	Non-fatal	Discrepancy between SPP available on AFDX and in NVM	Depends on the SPP signal

EFFECTIVITY

ALL

34-48-01

Page 1115
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
411	IOM Comparison of SPP with the Offside AESU Test	External	Non-fatal	Discrepancy between SPP in AESU 1 and AESU 2	Depends on the SPP signal
412	IOM Air Data Source Switch ValidityTest	External	Non-fatal	Source switching not available.	No source switching by pilot, but no operational impact since signals still available.
413	IOM IRS Source Switch ValidityTest	External	Non-fatal	Source switching not available.	No source switching by pilot, but no operational impact since signals still available.
414	IOM FMS-functional _position_captain Validity Test	External	Non-fatal	Source switching not available.	No source switching by pilot, but no operational impact since signals still available.
415	IOM FMS-functional _position_f-o Validity Test	External	Non-fatal	Source switching not available.	No source switching by pilot, but no operational impact since signals still available.
416	IOM FMS-switch-position Validity Test	External	Non-fatal	Source switching not available.	No source switching by pilot, but no operational impact since signals still available.
417	IOM PRIM FGPRIO Validity Test	External	Non-fatal	Source switching not available.	No source switching by pilot, but no operational impact since signals still available.

EFFECTIVITY

ALL

34-48-01

Page 1116

1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
418	IOM FWS Active Validity Test	External	Non-fatal	Source switching not available.	No source switching by pilot, but no operational impact since signals still available.
419	IOM AP status Validity Test	External	Non-fatal	Source switching not available.	No source switching by pilot, but no operational impact since signals still available.
420	IOM PRIM ADR Switch Validity Test	External	Non-fatal	Source switching not available.	No source switching by pilot, but no operational impact since signals still available.
421	IOM Onside RMP ARINC 429 Input - No Data received by Onside and Offside AESU Test	External	Non-fatal	Loss of Onside RMP ARINC interface	None if Offside RMP is available
422	IOM Offside RMP ARINC 429 Input - No Data received by Onside and Offside AESU Test	External	Non-fatal	Loss of Offside RMP ARINC interface	None if Onside RMP is available
423	Reserved				
424	IOM EGPWS Audio Menu Configuration Test	External	Non-fatal	Invalid audio menu configuration	None
425	IOM Audio Output Level Configuration Test	External	Non-fatal	Invalid audio output level	None
426-427	Reserved				

EFFECTIVITY—

ALL

34-48-01Page 1117
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
428	IOM Onside Stuck Emergency Cancel Switch Onside and Offside AESU Test	System	Non-fatal	Emergency Cancel Discrete is unreliable.	Two cases: (1) If Emergency Cancel discrete is stuck active then there is no system effect. (2) If Emergency Cancel discrete is stuck inactive then the system effect is the loss of capability to cancel alerts by flight crew. This condition detected by flight crew when an attempt to cancel is made and does not occur.
429	IOM ADC1 Capt Baro Correction ReferenceTest	External	Non-fatal	None since data available from alternate data source	None
430	IOM ADC2 Capt Baro Correction Reference Test	External	Non-fatal	None since data available from alternate data source	None
431	IOM ADC3 Capt Baro Correction Reference Test	External	Non-fatal	None since data available from alternate data source	None
432	IOM ADC1 FO Baro Correction Reference Test	External	Non-fatal	None since data available from alternate data source	None
433	IOM ADC2 FO Baro Correction Reference Test	External	Non-fatal	None since data available from alternate data source	None

 EFFECTIVITY _____
 ALL
34-48-01Page 1118
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
434	IOM ADC3 FO Baro Correction Reference Test	External	Non-fatal	None since data available from alternate data source	None
435	IOM LgerOn-sideOnGround-Discrete Agreement with lger1AnyGearOn-GroundAfdx Test	External	Non-fatal	None. Use other aircraft parameters (e.g., speed, altitude) to determine air/ground state.	None
436	IOM LgerOn-sideOnGround-Discrete Agreement with lger2AnyGearOn-GroundAfdx Test	External	Non-fatal	None. Use other aircraft parameters (e.g., speed, altitude) to determine air/ground state.	None
437	IOM Invalid Selection Control of Captain s ND Test	External	Non-fatal	None since the backup controls are available.	None
438	IOM Invalid Backup Selection Control of Captain s ND Test	External	Non-fatal	No impact to loss of backup.	None
439	IOM Invalid Selection Control of FO s ND Test	External	Non-fatal	None since the backup controls are available.	None
440	IOM Invalid Backup Selection Control of FO s ND Test	External	Non-fatal	No impact to loss of backup.	None
441	IOM FMS Capt VdRef and VdAltRange Validity Test	External	Non-fatal	Capt VD Display Information is not available.	Cease sending the current background image to the Captain's VD
442	IOM FMS FO VdRef and VdAltRange Validity Test	External	Non-fatal	FO VD Display Information is not available.	Cease sending the current background image to the First Officer's VD

EFFECTIVITY

ALL

34-48-01Page 1119
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
443	IOM LGER On Ground State and Aircraft Airspeed/Altitude Disagreement Test	External	Non-fatal	None since AESS assumes an Air/Ground State	None
444	IOM Capt FMS Flight Trajectory No Input Test	External	Non-fatal	FMS Flight Plan Information is not available from the Capt's selected FMS.	Cease sending the current image to the Capt's VD
445	IOM Capt FMS Flight Trajectory no segment flagged as "A/C Position" Test	External	Non-fatal	FMS Flight Plan Information is not valid from the Capt's selected FMS.	Cease sending the current image to the Capt's VD
446	reserved				
447	IOM F/O FMS Flight Trajectory No Input Test	External	Non-fatal	FMS Flight Plan Information is not available from the F/O's selected FMS.	Cease sending the current image to the F/O's VD
448	IOM F/O FMS Flight Trajectory no segment flagged as "A/C Position" Test	External	Non-fatal	FMS Flight Plan Information is not valid from the F/O's selected FMS.	Cease sending the current image to the F/O's VD
449-456	Reserved				
457	IOM MMR1 Multiple Modes Test	External	Non-fatal	None	None
458	IOM MMR2 Multiple Modes Test	External	Non-fatal	None	None

EFFECTIVITY

ALL

34-48-01Page 1120
1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
459	IOM FMS Multiple Guidance Test	External	Non-fatal	TCAS will not receive Flight Plan data to compute projected downrange intruder space	TCAS defaults to a more general (and less accurate) method of computing projected downrange intruder space
460	IOM Comparison of Mode S Address Test	External	Non-fatal	Mode S XPDR is not Operational	Mode S XPDR is not Operational
461	IOM Aircraft Type Combination Test	External	Non-fatal	The following signals are set to 0 and invalid:cfgT-plAircraftLength-cfgT-plAircraftWidthcfgT-plCableDelay	XPDR and TCAS are not functional
462-470	Reserved				
471	IOM AESS CP ABV Stuck Button Test	External	Non-fatal	Loss of AESS CP ABV Button	Loss of AESS CP ABV Button, function still available on MFD
472	IOM AESS CP BLW Stuck Button Test	External	Non-fatal	Loss of AESS CP BLW Button	Loss of AESS CP BLW Button, function still available on MFD
473	IOM AESS CP TA ONLY Stuck Button Test	External	Non-fatal	Loss of AESS CP TA Only Button	Loss of AESS CP TA Only Button, function still available on MFD
474	IOM AESS CP GS Mode Stuck Button Test	External	Non-fatal	Loss of AESS CP GS Mode Button	Loss of AESS CP GS Mode Button, function still available on MFD

EFFECTIVITY

ALL

34-48-01

Page 1121
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
475	IOM AESS CP WXR TAWS Sys 1 Stuck Button Test	External	Non-fatal	Loss of AESS CP WXR TAWS Sys 1 Button	Loss of AESS CP WXR TAWS Sys 1 Button, function still available on MFD
476	IOM AESS CP WXR TAWS Sys 2 Stuck Button Test	External	Non-fatal	Loss of AESS CP WXR TAWS Sys 2 Button	Loss of AESS CP WXR TAWS Sys 2 Button, function still available on MFD
477	IOM AESS CP XPDR TCAS Sys 1 Stuck Button Test	External	Non-fatal	Loss of AESS CP XPDR TCAS Sys 1 Button	Loss of AESS CP XPDR TCAS Sys 1 Button, function still available on MFD
478	IOM AESS CP XPDR TCAS Sys 2 Stuck Button Test	External	Non-fatal	Loss of AESS CP XPDR TCAS Sys 2 Button	Loss of AESS CP XPDR TCAS Sys 2 Button, function still available on MFD
479	IOM AESS CP Capt Elev Stuck Pull Knob Test	External	Non-fatal	Loss of AESS CP Capt Elev Stuck Pull Knob	Loss of AESS CP Capt Elev Stuck Pull Knob, function still available on MFD
480	IOM AESS CP FO Elev Stuck Pull Knob Test	External	Non-fatal	Loss of AESS CP FO Elev Stuck Pull Knob	Loss of AESS CP FO Elev Stuck Pull Knob, function still available on MFD
481	IOM AESS CP Capt Gain Stuck Pull Knob Test	External	Non-fatal	Loss of AESS CP Capt Gain Stuck Pull Knob	Loss of AESS CP Capt Gain Stuck Pull Knob, function still available on MFD
482	IOM AESS CP FO Gain Stuck Pull Knob Test	External	Non-fatal	Loss of AESS CP FO Gain Stuck Pull Knob	Loss of AESS CP FO Gain Stuck Pull Knob, function still available on MFD

EFFECTIVITY _____

ALL

34-48-01

Page 1122

1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
483	IOM AESS CP Capt Azim Stuck Pull Knob Test	External	Non-fatal	Loss of AESS CP Capt Azim Stuck Pull Knob	Loss of AESS CP Capt Azim Stuck Pull Knob
484	IOM AESS CP FO Azim Stuck Pull Knob Test	External	Non-fatal	Loss of AESS CP FO Azim Stuck Pull Knob	Loss of AESS CP FO Azim Stuck Pull Knob
485	IOM AESS CP Capt Elev Stuck Pressed Knob Test	External	Non-fatal	Loss of AESS CP Capt Elev Stuck Pressed Knob	Loss of AESS CP Capt Elev Stuck Pressed Knob, function still available on MFD
486	IOM AESS CP FO Elev Stuck Pressed Knob Test	External	Non-fatal	Loss of AESS CP FO Elev Stuck Pressed Knob	Loss of AESS CP FO Elev Stuck Pressed Knob, function still available on MFD
487	IOM AESS CP Capt Gain Stuck Pressed Knob Test	External	Non-fatal	Loss of AESS CP Capt Gain Stuck Pressed Knob	Loss of AESS CP Capt Gain Stuck Pressed Knob, function still available on MFD
488	IOM AESS CP FO Gain Stuck Pressed Knob Test	External	Non-fatal	Loss of AESS CP FO Gain Stuck Pressed Knob	Loss of AESS CP FO Gain Stuck Pressed Knob, function still available on MFD
489	IOM AESS CP Capt Azim Stuck Pressed Knob Test	External	Non-fatal	Loss of AESS CP Capt Azim Stuck Pressed Knob	Loss of AESS CP Capt Azim Stuck Pressed Knob
490	IOM AESS CP FO Azim Stuck Pressed Knob Test	External	Non-fatal	Loss of AESS CP FO Azim Stuck Pressed Knob	Loss of AESS CP FO Azim Stuck Pressed Knob
491-600	reserved				
601	IOM ADIRU_ADR_AFDX_Msg_1 Message Refresh Test	External	Non-fatal	All signals associated with ADIRU_ADR_AFDX_Msg_1 are invalid.	Depends on if Redundant Sources are also Unavailable.

EFFECTIVITY: _____

ALL

34-48-01Page 1123
1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
602	IOM ADIRU_ADR_AFDX_Msg_2 Message Refresh Test	External	Non-fatal	All signals associated with ADIRU_ADR_AFDX_Msg_2 are invalid.	Depends on if Redundant Sources are also Unavailable.
603	IOM ADIRU_ADR_AFDX_Msg_3 Message Refresh Test	External	Non-fatal	All signals associated with ADIRU_ADR_AFDX_Msg_3 are invalid.	Depends on if Redundant Sources are also Unavailable.
604	IOM ADIRU_GPIRS_AFDX_Msg_1 Message Refresh Test	External	Non-fatal	All signals associated with ADIRU_GPIRS_AFDX_Msg_1 are invalid.	Depends on if Redundant Sources are also Unavailable.
605	IOM ADIRU_GPIRS_AFDX_Msg_2 Message Refresh Test	External	Non-fatal	All signals associated with ADIRU_GPIRS_AFDX_Msg_2 are invalid.	Depends on if Redundant Sources are also Unavailable.
606	IOM ADIRU_GPIRS_AFDX_Msg_3 Message Refresh Test	External	Non-fatal	All signals associated with ADIRU_GPIRS_AFDX_Msg_3 are invalid.	Depends on if Redundant Sources are also Unavailable.
607	IOM ADIRU_GPS_AFDX_Msg_1_1 Message Refresh Test	External	Non-fatal	All signals associated with ADIRU_GPS_AFDX_Msg_1_1 are invalid.	Depends on if Redundant Sources are also Unavailable.
608	IOM ADIRU_GPS_AFDX_Msg_1_2 Message Refresh Test	External	Non-fatal	All signals associated with ADIRU_GPS_AFDX_Msg_1_2 are invalid.	Depends on if Redundant Sources are also Unavailable.
609	IOM ADIRU_GPS_AFDX_Msg_1_3 Message Refresh Test	External	Non-fatal	All signals associated with ADIRU_GPS_AFDX_Msg_1_3 are invalid.	Depends on if Redundant Sources are also Unavailable.

EFFECTIVITY

ALL

34-48-01

Page 1124

1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
610	IOM ADIRU_IR_AFDX_Msg_1 Message Refresh Test	External	Non-fatal	All signals associated with ADIRU_IR_AFDX_Msg_1 are invalid.	Depends on if Redundant Sources are also Unavailable.
611	IOM ADIRU_IR_AFDX_Msg_2 Message Refresh Test	External	Non-fatal	All signals associated with ADIRU_IR_AFDX_Msg_2 are invalid.	Depends on if Redundant Sources are also Unavailable.
612	IOM ADIRU_IR_AFDX_Msg_3 Message Refresh Test	External	Non-fatal	All signals associated with ADIRU_IR_AFDX_Msg_3 are invalid.	Depends on if Redundant Sources are also Unavailable.
613	IOM VL2_ENGINE_STATUS_Frame_1_1A Message Refresh Test	External	Non-fatal	All signals associated with VL2_ENGINE_STATUS_Frame_1_1A are invalid.	Depends on if Redundant Sources are also Unavailable.
614	IOM VL2_ENGINE_STATUS_Frame_1_2A Message Refresh Test	External	Non-fatal	All signals associated with VL2_ENGINE_STATUS_Frame_1_2A are invalid.	Depends on if Redundant Sources are also Unavailable.
615	IOM VL2_ENGINE_STATUS_Frame_1_3A Message Refresh Test	External	Non-fatal	All signals associated with VL2_ENGINE_STATUS_Frame_1_3A are invalid.	Depends on if Redundant Sources are also Unavailable.
616	IOM VL2_ENGINE_STATUS_Frame_1_4A Message Refresh Test	External	Non-fatal	All signals associated with VL2_ENGINE_STATUS_Frame_1_4A are invalid.	Depends on if Redundant Sources are also Unavailable.
617	IOM FCUB_FRAME_EFIS_1 Message Refresh Test	External	Non-fatal	All signals associated with FCUB_FRAME_EFIS_1 are invalid.	Depends on if Redundant Sources are also Unavailable.

EFFECTIVITY

ALL

34-48-01Page 1125
1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
618	IOM FCUB_FRAME_EFIS_2 Message Refresh Test	External	Non-fatal	All signals associated with FCUB_FRAME_EFIS_2 are invalid.	Depends on if Redundant Sources are also Unavailable.
619	IOM AMSG_FLAP_SYSTEM_STATUS_1 Message Refresh Test	External	Non-fatal	All signals associated with AMSG_FLAP_SYSTEM_STATUS_1 are invalid.	Depends on if Redundant Sources are also Unavailable.
620	IOM AMSG_FLAP_SYSTEM_STATUS_2 Message Refresh Test	External	Non-fatal	All signals associated with AMSG_FLAP_SYSTEM_STATUS_2 are invalid.	Depends on if Redundant Sources are also Unavailable.
621	IOM FMS-message_CDS_Raw_Data-1 Message Refresh Test	External	Non-fatal	All signals associated with FMS-message_CDS_Raw_Data-1 are invalid.	Depends on if Redundant Sources are also Unavailable.
622	IOM FMS-message_CDS_Raw_Data-2 Message Refresh Test	External	Non-fatal	All signals associated with FMS-message_CDS_Raw_Data-2 are invalid.	Depends on if Redundant Sources are also Unavailable.
623	IOM FMS-message_CDS_Raw_Data-3 Message Refresh Test	External	Non-fatal	All signals associated with FMS-message_CDS_Raw_Data-3 are invalid.	Depends on if Redundant Sources are also Unavailable.
624	IOM FW_AESS_1 Message Refresh Test	External	Non-fatal	All signals associated with FW_AESS_1 Message are invalid.	Depends on if Redundant Sources are also Unavailable.

EFFECTIVITY

ALL

34-48-01

Page 1126
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
625	IOM FW_AESS_2 Message Refresh Test	External	Non-fatal	All signals associated with FW_AESS_2 Message are invalid.	Depends on if Redundant Sources are also Unavailable.
626	IOM FW_BROADCAST_1 Message Refresh Test	External	Non-fatal	All signals associated with FW_BROADCAST_1 are invalid.	Depends on if Redundant Sources are also Unavailable.
627	IOM FW_BROADCAST_2 Message Refresh Test	External	Non-fatal	All signals associated with FW_BROADCAST_2 are invalid.	Depends on if Redundant Sources are also Unavailable.
628	IOM IOM-A1_Msg_dga120 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A1_Msg_dga120 are invalid.	Depends on if Redundant Sources are also Unavailable.
629	IOM IOM-A1_Msg_dgb60 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A1_Msg_dgb60 are invalid.	Depends on if Redundant Sources are also Unavailable.
630	IOM IOM-A1_Msg_dgb240 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A1_Msg_dgb240 are invalid.	Depends on if Redundant Sources are also Unavailable.
631	IOM IOM-A1_Msg_dgb480 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A1_Msg_dgb480 are invalid.	Depends on if Redundant Sources are also Unavailable.
632	IOM IOM-A2_Msg_dga120 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A2_Msg_dga120 are invalid.	Depends on if Redundant Sources are also Unavailable.

EFFECTIVITY

ALL

34-48-01Page 1127
1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
633	IOM IOM-A2_Msg_dgb60 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A2_Msg_dgb60 are invalid.	Depends on if Redundant Sources are also Unavailable.
634	IOM IOM-A2_Msg_dgb240 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A2_Msg_dgb240 are invalid.	Depends on if Redundant Sources are also Unavailable.
635	IOM IOM-A2_Msg_dgb480 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A2_Msg_dgb480 are invalid.	Depends on if Redundant Sources are also Unavailable.
636	IOM IOM-A3_Msg_d30 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A3_Msg_d30 are invalid.	Depends on if Redundant Sources are also Unavailable.
637	IOM IOM-A3_Msg_dga120 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A3_Msg_dga120 are invalid.	Depends on if Redundant Sources are also Unavailable.
638	IOM IOM-A3_Msg_dgb60 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A3_Msg_dgb60 are invalid.	Depends on if Redundant Sources are also Unavailable.
639	IOM IOM-A3_Msg_dgb240 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A3_Msg_dgb240 are invalid.	Depends on if Redundant Sources are also Unavailable.
640	IOM IOM-A3_Msg_dgb480 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A3_Msg_dgb480 are invalid.	Depends on if Redundant Sources are also Unavailable.

EFFECTIVITY

ALL

34-48-01

Page 1128

1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
641	IOM IOM-A4_Msg_d30 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A4_Msg_d30 are invalid.	Depends on if Redundant Sources are also Unavailable.
642	IOM IOM-A4_Msg_dga120 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A4_Msg_dga120 are invalid.	Depends on if Redundant Sources are also Unavailable.
643	IOM IOM-A4_Msg_dgb60 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A4_Msg_dgb60 are invalid.	Depends on if Redundant Sources are also Unavailable.
644	IOM IOM-A4_Msg_dgb240 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A4_Msg_dgb240 are invalid.	Depends on if Redundant Sources are also Unavailable.
645	IOM IOM-A4_Msg_dgb480 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A4_Msg_dgb480 are invalid.	Depends on if Redundant Sources are also Unavailable.
646	IOM IOM-A5_Msg_dgb60 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A5_Msg_dgb60 are invalid.	Depends on if Redundant Sources are also Unavailable.
647	IOM IOM-A6_Msg_dgb60 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A6_Msg_dgb60 are invalid.	Depends on if Redundant Sources are also Unavailable.
648	IOM L1_CDS-A661-Monitoring-Message Message Refresh Test	External	Non-fatal	All signals associated with L1_CDS-A661-Monitoring-Message are invalid.	Depends on if Redundant Sources are also Unavailable.

EFFECTIVITY

ALL

34-48-01

Page 1129
1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
649	IOM L2_CDS-A661-Monitoring-Message Refresh Test	External	Non-fatal	All signals associated with L2_CDS-A661-Monitoring-Message are invalid.	Depends on if Redundant Sources are also Unavailable.
650	IOM L3_CDS-A661-Monitoring-Message Refresh Test	External	Non-fatal	All signals associated with L3_CDS-A661-Monitoring-Message are invalid.	Depends on if Redundant Sources are also Unavailable.
651	IOM LGERS_Status_1 Message Refresh Test	External	Non-fatal	All signals associated with LGERS_Status_1 are invalid.	Depends on if Redundant Sources are also Unavailable.
652	IOM LGERS_Status_2 Message Refresh Test	External	Non-fatal	All signals associated with Message_Frame_40_1 are invalid.	Depends on if Redundant Sources are also Unavailable.
653	IOM Message_Frame_40_1 Message Refresh Test	External	Non-fatal	All signals associated with Message_Frame_40_1 are invalid.	Depends on if Redundant Sources are also Unavailable.
654	IOM Message_Frame_40_2 Message Refresh Test	External	Non-fatal	All signals associated with Message_Frame_40_2 are invalid.	Depends on if Redundant Sources are also Unavailable.
655	IOM Message_Frame_40_3 Message Refresh Test	External	Non-fatal	All signals associated with Message_Frame_40_3 are invalid.	Depends on if Redundant Sources are also Unavailable.
656	IOM Message_Frame_120_1 Message Refresh Test	External	Non-fatal	All signals associated with Message_Frame_120_1 are invalid.	Depends on if Redundant Sources are also Unavailable.

 EFFECTIVITY _____
 ALL

34-48-01

 Page 1130
 1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
657	IOM Message _Frame_120_2 Message Refresh Test	External	Non-fatal	All signals associated with Message_Frame_120_2 are invalid.	Depends on if Redundant Sources are also Unavailable.
658	IOM Message _Frame_120_3 Message Refresh Test	External	Non-fatal	All signals associated with Message_Frame_120_3 are invalid.	Depends on if Redundant Sources are also Unavailable.
659	IOM R1_CDS-A661-Monitoring-Message Message Refresh Test	External	Non-fatal	All signals associated with R1_CDS-A661-Monitoring-Message are invalid.	Depends on if Redundant Sources are also Unavailable.
660	IOM R2_CDS-A661-Monitoring-Message Message Refresh Test	External	Non-fatal	All signals associated with R2_CDS-A661-Monitoring-Message are invalid.	Depends on if Redundant Sources are also Unavailable.
661	IOM R3_CDS-A661-Monitoring-Message Message Refresh Test	External	Non-fatal	All signals associated with R3_CDS-A661-Monitoring-Message are invalid.	Depends on if Redundant Sources are also Unavailable.
662	IOM DATE_TIME_SCI_TO_AFDX Message Refresh Test	External	Non-fatal	All signals associated with DATE_TIME_SCI_TO_AFDX are invalid.	Depends on if Redundant Sources are also Unavailable.
663	IOM CMS _General _Parameters Message Refresh Test	External	Non-fatal	All signals associated with CMS_General_Parameters are invalid.	Depends on if Redundant Sources are also Unavailable.
664	Reserved				

EFFECTIVITY

ALL

34-48-01Page 1131
1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
665	IOM DLCS _SPP_Aircraft _Configuration Message Refresh Test	External	Non-fatal	All signals associated with DLCS _SPP_Aircraft _Configuration are invalid.	Depends on if Redundant Sources are also Unavailable.
666	IOM DLCS _SPP_System _Configuration Message Refresh Test	External	Non-fatal	All signals associated with DLCS _SPP_System _Configuration are invalid.	Depends on if Redundant Sources are also Unavailable.
667-670	Reserved				
671	IOM FCUB _FRAME_AFS_1 Message Refresh Test	External	Non-fatal	All signals associated with FCUB_FRAME _AFS_1 are invalid	Depends on if Redundant Sources are also Unavailable.
672	IOM FCUB _FRAME_AFS_2 Message Refresh Test	External	Non-fatal	All signals associated with FCUB_FRAME _AFS_2 are invalid	Depends on if Redundant Sources are also Unavailable.
673	IOM IOM-A5_Msg _d30 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A5_Msg _d30 are invalid	Depends on if Redundant Sources are also Unavailable.
674	IOM IOM-A6_Msg _d30 Message Refresh Test	External	Non-fatal	All signals associated with IOM-A6_Msg _d30 are invalid	Depends on if Redundant Sources are also Unavailable.
675-1000	reserved				
EGPWS Module Tests					
1001- 1002	reserved				

 EFFECTIVITY _____
 ALL

34-48-01

 Page 1132
 1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1003	EGPWM Boot Image Failure	Internal	Non-fatal	EGPWM Board is inoperative.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1004	EGPWM CPU Tests	Internal	Fatal	EGPWM Board is inoperative.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1005	EGPWM Watchdog logic Test	Internal	Non-fatal	EGPWM Board is inoperative.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1006	EGPWM RAM Test	Internal	Fatal	EGPWM Board is inoperative.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1007	EGPWM Image DSP Test	Internal	Non-fatal	TERRAIN NOT AVAILABLE lamp is turned On AND "TERR-INOP" is displayed AND TERRAIN INOP lamp is turned On AND No Terrain Background /Threats are displayed AND No Peaks data is displayed	Loss of Terrain Display functionality in affected AESU

EFFECTIVITY

ALL

34-48-01

Page 1133

1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1008	EGPWM NVM Test (Mezz)	Internal	Non-fatal	EGPWM Board is inoperative.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1009	EGPWM Proc Board SDRAM (ECC) Single-Bit Error Test	Internal	Fatal	EGPWM Board is inoperative.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1010	Reserved				
1011	EGPWM Hardware /Software Compatibility Test	Internal	Non-fatal	EGPWM Board is inoperative.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1012	EGPWM Proc Board SDRAM (ECC) Multi-Bit Error Failure	Internal	Fatal	EGPWM Board is inoperative.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1013	EGPWM NVM RAM Test (Mezz)	Internal	Non-fatal	EGPWM Board is inoperative.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1014	EGPWM Envelope Modulation Database Internal Failure	Internal	Non-fatal	Envelope Modulation Database not available	For affected AESU, Modes 1, 2, 4 and 5 alert curves are not optimized

EFFECTIVITY

ALL

34-48-01

Page 1134
1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1015	EGPWS Terrain Database Corruption	Internal	Non-fatal	Terrain Database not available.	Loss of EGPWS FLTA function for the AESU. No system impact since the EGPWS functionality is available from the alternate AESU.
1016	EGPWS Terrain Database Compatibility	Internal	Non-fatal	Terrain Database not available.	Loss of EGPWS FLTA function for the AESU. No system impact since the EGPWS functionality is available from the alternate AESU.
1017	EGPWS Runway Database Internal Failure	Internal	Non-fatal	Runway Database not available.	Loss of EGPWS FLTA and PDA functions for the AESU. No system impact since the EGPWS functionality is available from the alternate AESU.
1018	EGPWS Envelope Modulation Database Corruption	Internal	Non-fatal	Envelope Modulation Database not available	For affected AESU, Modes 1, 2, 4 and 5 alert curves are not optimized
1019	EGPWS Aircraft Configuration Database	Internal	Non-fatal	EGPWS Board is inoperative.	Loss of all EGPWS Functions for this AESU. No system impact since an alternate AESU is available.
1020	EGPWS Proc Board Flight Event History Write Test	Internal	Non-fatal	Flight Event History is corrupted	None

EFFECTIVITY

ALL

34-48-01

Page 1135
1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1021	EGPWM System or Mode Task Failure	Internal	Non-fatal	EGPWM Board is inoperative.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1022	EGPWM Support Task Failure	Internal	Non-fatal	None	None
1023	EGPWM Watchdog Monitor	Internal	Non-fatal	EGPWM Board is inoperative.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1024	EGPWM Analog-to-Digital Converter Test	Internal	Non-fatal	Unable to check voltage supplies or measure board temperature	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1025	EGPWM 3.3V Supply Test	Internal	Non-fatal	Out-of-spec board voltages may cause or contribute to other hardware-related failures, resulting in loss of EGPWM functions.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1026	EGPWM 2.5V Supply Test	Internal	Non-fatal	Out-of-spec board voltages may cause or contribute to other hardware-related failures, resulting in loss of EGPWM functions.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.

EFFECTIVITY

ALL

34-48-01

Page 1136
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1027	EGPWM 2.0V Supply Test	Internal	Non-fatal	Out-of-spec board voltages may cause or contribute to other hardware-related failures, resulting in loss of EGPWM functions.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1028	EGPWM 12V Supply Test	Internal	Non-fatal	Out-of-spec board voltages may cause or contribute to other hardware-related failures, resulting in loss of EGPWM functions.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1029	EGPWM 5V Supply Test	Internal	Non-fatal	Out-of-spec board voltages may cause or contribute to other hardware-related failures, resulting in loss of EGPWM functions.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1030	EGPWM 1.8V Supply Test	Internal	Non-fatal	Out-of-spec board voltages may cause or contribute to other hardware-related failures, resulting in loss of EGPWM functions.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1031	EGPWM 1.26V Supply Test	Internal	Non-fatal	Out-of-spec board voltages may cause or contribute to other hardware-related failures, resulting in loss of EGPWM functions.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.

EFFECTIVITY _____

ALL

34-48-01Page 1137
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1032	EGPWM 1.25V 3.3 Supply Test	Internal	Non-fatal	Out-of-spec board voltages may cause or contribute to other hardware-related failures, resulting in loss of EGPWM functions.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1033	EGPWM 1.25V 2.0 Supply Test	Internal	Non-fatal	Out-of-spec board voltages may cause or contribute to other hardware-related failures, resulting in loss of EGPWM functions.	Loss of all EGPWM Functions for this AESU. No system impact since an alternate AESU is available.
1034	EGPWM Temperature Sensor Test	Internal	Non-fatal	Out-of-spec board temperatures indicate that the sensor is failed or A to D can not read the sensor	None
1035	EGPWM Temperature Exceedance Test	Internal	Non-fatal	Board temperature exceeding nominal value may result in unpredictable or indeterminate EGPWM board behavior. No immediate effect, however, continued excess board temperature may cause or contribute to other hardware-related failures, resulting in loss of the EGPWM functions.	Loss of EGPWM functionality. No system impact since an alternate AESU is available.

EFFECTIVITY _____

ALL

34-48-01

Page 1138

1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1036	EGPWM: Software - Input Processing - Display Refresh Faulted	Internal	Non-fatal	TERRAIN NOT AVAILABLE is Annunciated AND "TERR-INOP" is displayed AND TERRAIN INOP is Annunciated AND No Terrain Background /Threats are displayed AND No Peaks data is displayed.	Loss of Terrain Awareness and Display functionality in affected AESU.
1037-1099	reserved				
1100	EGPWM: Software - Input Processing - Radio Altitude - #1	External	Non-fatal	None	None
1101	EGPWM: Software - Input Processing - Radio Altitude - #2	External	Non-fatal	None	None
1102	EGPWM: Software - Input Processing - Radio Altitude - #3	External	Non-fatal	None	None
1103	EGPWM: Software - Input Processing - Vertical Speed - IRS	External	Non-fatal	None	None
1104	EGPWM: Software - Input Processing - Vertical Speed - ADC	External	Non-fatal	None	None

EFFECTIVITY

ALL

34-48-01Page 1139
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1105	EGPWM: Software - Input Processing - Computed Airspeed - ADC	External	Non-fatal	GPW INOP	Degradation of GPWS function in affected AESU
1106	EGPWM: Software - Input Processing - Ground Speed - IRS	External	Non-fatal	None	None
1107	EGPWM: Software - Input Processing - Ground Speed - GPS - #1	External	Non-fatal	None	None
1108	EGPWM: Software - Input Processing - Ground Speed - GPS - #2	External	Non-fatal	None	None
1109	reserved				
1110	EGPWM: Software - Input Processing - Altitude - IRS Inertial	External	Non-fatal	None	None
1111	EGPWM: Software - Input Processing - Altitude - ADC Baro	External	Non-fatal	None	None
1112	EGPWM: Software - Input Processing - Altitude - GPS - #1	External	Non-fatal	None	None
1113	EGPWM: Software - Input Processing - Altitude - GPS - #2	External	Non-fatal	None	None

EFFECTIVITY _____

ALL

34-48-01

Page 1140

1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1114	reserved				
1115	EGPWM: Software - Input Processing - Baro Corrected Altitude - ADC	External	Non-fatal	None	None
1116	EGPWM: Software - Input Processing - SAT	External	Non-fatal	None	None
1117	EGPWM: Software - Input Processing - Glideslope Deviation - #1	External	Non-fatal	None	None
1118	EGPWM: Software - Input Processing - Glideslope Deviation - #2	External	Non-fatal	None	None
1119	EGPWM: Software - Input Processing - Localizer Deviation - #1	External	Non-fatal	None	None
1120	EGPWM: Software - Input Processing - Localizer Deviation - #2	External	Non-fatal	None	None
1121	EGPWM: Software - Input Processing - Runway Heading - #1	External	Non-fatal	None	None
1122	EGPWM: Software - Input Processing - Runway Heading - #2	External	Non-fatal	None	None

EFFECTIVITY _____
ALL

34-48-01

Page 1141
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1123	EGPWM: Software - Input Processing - Latitude - IRS	External	Non-fatal	None	None
1124	EGPWM: Software - Input Processing - Latitude - FMC	External	Non-fatal	None	None
1125	EGPWM: Software - Input Processing - Latitude - GPS - #1	External	Non-fatal	None	None
1126	EGPWM: Software - Input Processing - Latitude - GPS - #2	External	Non-fatal	None	None
1127	reserved				
1128	EGPWM: Software - Input Processing - Longitude - IRS	External	Non-fatal	None	None
1129	EGPWM: Software - Input Processing - Longitude - FMC	External	Non-fatal	None	None
1130	EGPWM: Software - Input Processing - Longitude - GPS - #1	External	Non-fatal	None	None
1131	EGPWM: Software - Input Processing - Longitude - GPS - #2	External	Non-fatal	None	None
1132	reserved				

EFFECTIVITY _____

ALL

34-48-01Page 1142
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1133	EGPWM: Software - Input Processing - Magnetic Track - IRS	External	Non-fatal	None	None
1134	EGPWM: Software - Input Processing - Magnetic Track - FMC	External	Non-fatal	None	None
1135	EGPWM: Software - Input Processing - True Track - GPS - #1	External	Non-fatal	None	None
1136	EGPWM: Software - Input Processing - True Track - GPS, #2	External	Non-fatal	None	None
1137	reserved				
1138	EGPWM: Software - Input Processing - True Track - IRS	External	Non-fatal	None	None
1139	EGPWM: Software - Input Processing - True Heading - IRS	External	Non-fatal	TERRAIN NOT AVAILABLE is Annunciated AND "TERR-INOP" is displayed AND TERRAIN INOP is Annunciated AND No Terrain Background /Threats are displayed AND No Peaks data is displayed	Loss of Horizontal Terrain Awareness Display in affected AESU if heading up
1140	EGPWM: Software - Input Processing - Pitch Angle	External	Non-fatal	None	None

EFFECTIVITY—

ALL

34-48-01Page 1143
1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1141	EGPWM: Software - Input Processing - Roll Angle	External	Non-fatal	TERRAIN NOT AVAILABLE is Annunciated AND "TERR-INOP" is displayed AND TERRAIN INOP is Annunciated AND No Terrain Background /Threats are displayed AND No Peaks data is displayed	Loss of Terrain Awareness and Display functionality in affected AESU
1142	EGPWM: Software - Input Processing - FMC Alternate Landing Flap Selected	External	Non-fatal	GPW INOP	Degradation of GPWS function in affected AESU
1143	EGPWM: Software - Input Processing - Flap Discrete - Flaps 22	External	Non-fatal	GPW INOP	Degradation of GPWS function in affected AESU
1144	EGPWM: Software - Input Processing - Flap Discrete - Flaps 33	External	Non-fatal	GPW INOP	Degradation of GPWS function in affected AESU
1145	EGPWM: Software - Input Processing - Gear Position	External	Non-fatal	GPW INOP	Degradation of GPWS function in affected AESU
1146	EGPWM: Software - Input Processing - HFOM - GPS, #1	External	Non-fatal	None	None
1147	reserved				

EFFECTIVITY

ALL

34-48-01

Page 1144

1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1148	EGPWM: Software - Input Processing - HFOM - GPS, #2	External	Non-fatal	None	None
1149-1151	reserved				
1152	EGPWM: Software - Input Processing - VFOM - GPS, #1	External	Non-fatal	None	None
1153	reserved				
1154	EGPWM: Software - Input Processing - VFOM - GPS, #2	External	Non-fatal	None	None
1155-1157	reserved				
1158	EGPWM: Software - Input Processing - Satellites Tracked - LSB, #1	External	Non-fatal	None	None
1159	EGPWM: Software - Input Processing - Satellites Tracked - LSB, #2	External	Non-fatal	None	None
1160	reserved				
1161	EGPWM: Software - Input Processing - Satellites Tracked - MSB, #1	External	Non-fatal	None	None

EFFECTIVITY _____
ALL

34-48-01

Page 1145
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1162	EGPWM: Software - Input Processing - Satellites Tracked - MSB, #2	External	Non-fatal	None	None
1163	reserved				
1164	EGPWM: Software - Input Processing - GPS Operational Mode - #1	External	Non-fatal	None	None
1165	EGPWM: Software - Input Processing - GPS Operational Mode - #2	External	Non-fatal	None	None
1166	reserved				
1167	EGPWM: Software - Input Processing - GPS HIL - #1	External	Non-fatal	None	None
1168	reserved				
1169	EGPWM: Software - Input Processing - GPS HIL - #2	External	Non-fatal	None	None
1170-1172	reserved				
1173	EGPWM: Software - Input Processing - GPS NISF - #1	External	Non-fatal	None	None
1174	EGPWM: Software - Input Processing - GPS NISF - #2	External	Non-fatal	None	None
1175	reserved				

EFFECTIVITY

ALL

34-48-01

Page 1146

1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1176	EGPWM: Software - Input Processing - FMC Discrete Word	External	Non-fatal	None	None
1177	EGPWM: Software - Input Processing - IOM Bite On Ground	External	Non-fatal	None	None
1178	EGPWM: Software - Input Processing - Destination QNH	External	Non-fatal	None	None
1179	EGPWM: Software - Input Processing - Selected Barometric Reference	External	Non-fatal	None	None
1180	EGPWM: Software - Input Processing - Voice Status - Mode 1 Inner Curve Voice	System	Non-fatal	GPW INOP	Degradation of affected voice message operation
1181	EGPWM: Software - Input Processing - Voice Status - Mode 1 Outer Curve Voice	External	Non-fatal	GPW INOP	Degradation of affected voice message operation
1182	EGPWM: Software - Input Processing - Voice Status - Mode 2 Preface Voice	External	Non-fatal	GPW INOP	Degradation of affected voice message operation

EFFECTIVITY

ALL

34-48-01Page 1147
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1183	EGPWM: Software - Input Processing - Voice Status - Mode 2 Pullup Voice	External	Non-fatal	GPW INOP	Degradation of affected voice message operation
1184	EGPWM: Software - Input Processing - Voice Status - Mode 2 Terrain Voice	External	Non-fatal	GPW INOP	Degradation of affected voice message operation
1185	EGPWM: Software - Input Processing - Voice Status - Mode 3 Voice	External	Non-fatal	GPW INOP	Degradation of affected voice message operation
1186	EGPWM: Software - Input Processing - Voice Status - Mode 4 Too Low Flaps Voice	External	Non-fatal	GPW INOP	Degradation of affected voice message operation
1187	EGPWM: Software - Input Processing - Voice Status - Mode 4 Too Low Gear Voice	External	Non-fatal	GPW INOP	Degradation of affected voice message operation
1188	EGPWM: Software - Input Processing - Voice Status - Mode 4 Too Low Terrain Voice	External	Non-fatal	GPW INOP	Degradation of affected voice message operation
1189	EGPWM: Software - Input Processing - Voice Status - Mode 5 Low Volume Single Glideslope Voice	External	Non-fatal	GPW INOP	Degradation of affected voice message operation

 EFFECTIVITY _____
 ALL
34-48-01
 Page 1148
 1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1190	EGPWM: Software - Input Processing - Voice Status - Mode 5 Double Glideslope Voice	External	Non-fatal	GPW INOP	Degradation of affected voice message operation
1191	EGPWM: Software - Input Processing - Voice Status - Obstacle Awareness Caution Voice	External	Non-fatal	TERRAIN INOP is Annunciated AND "TERR-INOP" is displayed AND No TA&D Cautions /Warnings are issued AND No Terrain Background /Threats are displayed AND No Peaks data is displayed	Degradation of affected voice message operation
1192	EGPWM: Software - Input Processing - Voice Status - Obstacle Awareness Preface Voice	External	Non-fatal	TERRAIN INOP is Annunciated AND "TERR-INOP" is displayed AND No TA&D Cautions /Warnings are issued AND No Terrain Background /Threats are displayed AND No Peaks data is displayed	Degradation of affected voice message operation

EFFECTIVITY

ALL

34-48-01

Page 1149

1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1193	EGPWM: Software - Input Processing - Voice Status - Obstacle Awareness Warning Voice	External	Non-fatal	TERRAIN INOP is Annunciated AND "TERR-INOP" is displayed AND No TA&D Cautions /Warnings are issued AND No Terrain Background /Threats are displayed AND No Peaks data is displayed	Degradation of affected voice message operation
1194	EGPWM: Software - Input Processing - Voice Status - Terrain Awareness Caution Voice	External	Non-fatal	TERRAIN INOP is Annunciated AND "TERR-INOP" is displayed AND No TA&D Cautions /Warnings are issued AND No Terrain Background /Threats are displayed AND No Peaks data is displayed	Degradation of affected voice message operation
1195	EGPWM: Software - Input Processing - Voice Status - Terrain Awareness Preface Voice	External	Non-fatal	TERRAIN INOP is Annunciated AND "TERR-INOP" is displayed AND No TA&D Cautions /Warnings are issued AND No Terrain Background /Threats are displayed AND No Peaks data is displayed	Degradation of affected voice message operation

EFFECTIVITY _____

ALL

34-48-01

Page 1150

1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1196	EGPWM: Software - Input Processing - Voice Status - Terrain Awareness Warning Voice	External	Non-fatal	TERRAIN INOP is Annunciated AND "TERR-INOP" is displayed AND No TA&D Cautions /Warnings are issued AND No Terrain Background /Threats are displayed AND No Peaks data is displayed	Degradation of affected voice message operation
1197	EGPWM: Software - Input Processing - Voice Status - Terrain Clearance Floor Voice	External	Non-fatal	GPW INOP	Degradation of affected voice message operation
1198-1221	reserved				
1222	EGPWM: Software - Input Processing - Display Range - 1	External	Non-fatal	None	No Horizontal or Vertical Terrain display if range mismatch
1223	EGPWM: Software - Input Processing - Display Range - 2	External	Non-fatal	None	No Horizontal or Vertical Terrain display if range mismatch
1224	EGPWM: Software - Input Processing - Display Mode - 1	External	Non-fatal	None	No Horizontal or Vertical Terrain display if mode mismatch
1225	EGPWM: Software - Input Processing - Display Mode - 2	External	Non-fatal	None	No Horizontal or Vertical Terrain display if mode mismatch

EFFECTIVITY

ALL

34-48-01

Page 1151
1 Dec 2006

**COMPONENT MAINTENANCE MANUAL**

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1226	EGPWM: Software - Input Processing - Flap Override Switch	External	Non-fatal	GPWS modes operate as if Flaps Mode is On.	For affected AESU, GPWS modes operate as if Flaps Mode is On.
1227	EGPWM: Software - Input Processing - Glideslope Inhibit Switch	External	Non-fatal	GPWS Mode 5 - Descent Below Glideslope functionality cannot be disabled.	For affected AESU, GPWS Mode 5 - Descent Below Glideslope functionality cannot be disabled.
1228-1229	reserved				
1230	EGPWM: Software - Input Processing - IOM Reset Imminent	External	Non-fatal	None	None
1231	EGPWM: Software - Input Processing - Simulator Reposition	External	Non-fatal	GPWS response to flight simulator repositioning actions may be undesirable.	For affected AESU, GPWS response to flight simulator repositioning actions may be undesirable.
1232	EGPWM: Software - Input Processing - ADIS Active	External	Non-fatal	Fault recording will not be disabled.	For affected AESU, Fault recording will not be disabled.
1233	EGPWM: Software - Input Processing - IOM Air/Ground	External	Non-fatal	None	None

EFFECTIVITY

ALL

34-48-01Page 1152
1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1234	EGPWM: Software - Input Processing - MMR 1 FLS Mode 1	External	Non-fatal	Mode 5 alerts are not suppressed if Glideslope 1 is the selected source and an FLS approach is selected.	For affected AESU, Mode 5 alerts are not suppressed if Glideslope 1 is the selected source and an FLS approach is selected.
1235	EGPWM: Software - Input Processing - MMR 1 FLS Mode 2	External	Non-fatal	Mode 5 alerts are not suppressed if Glideslope 1 is the selected source and an FLS approach is selected.	For affected AESU, Mode 5 alerts are not suppressed if Glideslope 1 is the selected source and an FLS approach is selected.
1236	EGPWM: Software - Input Processing - MMR 2 FLS Mode 1	External	Non-fatal	Mode 5 alerts are not suppressed if Glideslope 2 is the selected source and an FLS approach is selected.	For affected AESU, Mode 5 alerts are not suppressed if Glideslope 2 is the selected source and an FLS approach is selected.
1237	EGPWM: Software - Input Processing - MMR 2 FLS Mode 2	External	Non-fatal	Mode 5 alerts are not suppressed if Glideslope 2 is the selected source and an FLS approach is selected.	For affected AESU, Mode 5 alerts are not suppressed if Glideslope 2 is the selected source and an FLS approach is selected.

EFFECTIVITY

ALL

34-48-01

Page 1153
1 Dec 2006



COMPONENT MAINTENANCE MANUAL

Part No. 965-1694-001

Table 1006. Fault List Summary (cont)

Fault Event Code	Test Name	Fault Type	Fault Category	AESS Consequences	Aircraft Consequences
1238	EGPWM: Software - Input Processing - MMR 1 FLS/ILS Mode 1	External	Non-fatal	Mode 5 alerts are not suppressed if Glideslope 1 is the selected source and a mixed LOC/FLS approach is selected.	For affected AESU, Mode 5 alerts are not suppressed if Glideslope 1 is the selected source and a mixed LOC/FLS approach is selected.
1239	EGPWM: Software - Input Processing - MMR 1 FLS/ILS Mode 2	External	Non-fatal	Mode 5 alerts are not suppressed if Glideslope 1 is the selected source and a mixed LOC/FLS approach is selected.	For affected AESU, Mode 5 alerts are not suppressed if Glideslope 1 is the selected source and a mixed LOC/FLS approach is selected.
1240	EGPWM: Software - Input Processing - MMR 2 FLS/ILS Mode 1	External	Non-fatal	Mode 5 alerts are not suppressed if Glideslope 2 is the selected source and a mixed LOC/FLS approach is selected.	For affected AESU, Mode 5 alerts are not suppressed if Glideslope 2 is the selected source and a mixed LOC/FLS approach is selected.
1241	EGPWM: Software - Input Processing - MMR 2 FLS/ILS Mode 2	External	Non-fatal	Mode 5 alerts are not suppressed if Glideslope 2 is the selected source and a mixed LOC/FLS approach is selected.	For affected AESU, Mode 5 alerts are not suppressed if Glideslope 2 is the selected source and a mixed LOC/FLS approach is selected.

EFFECTIVITY _____
ALL

34-48-01

Page 1154
1 Dec 2006