

SAMPLE REPORT PRINTOUT - Zone 271

Item: 200 Upper half of fuselage to rear pressure bulkhead – 270 TBD – 271 Bulkhead
Zone: 271
Pages Printed: 1 to 10



Zones Summary

Zone # 200	Zone Description Upper half of fuselage to rear pressure bulkhead.
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Zones Summary

Zone #	Description	Boundaries	Remarks
200	Upper half of fuselage to rear pressure bulkhead.		
270	TBD		
271	Bulkhead	FS 4580 to FS 49810 above floor level LHS/RHS - Aft bulkhead to AUX bulkhead	Zone 271 is the LHS Electrical Cabinet installed in the Baggage Compartment. This analysis addresses the cabinet only.

Analyst: Jon Doe
ACME

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Zones Summary

Zone # 200	Zone Description Upper half of fuselage to rear pressure bulkhead.
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Zones Summary (Detailed)

Zone #	Description	Boundaries	Access	Equipment Installed	Structures	Remarks
200	Upper half of fuselage to rear pressure bulkhead.					
270	TBD					
271	Bulkhead	FS 4580 to FS 49810 above floor level LHS/RHS - Aft bulkhead to AUX bulkhead	Via baggage door.	Electrical Wiring - Power Feeder (high voltage, high amperage) Electrical Wiring - Instrumentation, and Monitoring Electrical Wiring - Data Bus Electrical Components	FS 4580 to FS 49810 above floor level LHS/RHS - AFT bulkhead to AUX bulkhead.	Zone 271 is the LHS Electrical Cabinet installed in the Baggage Compartment. This analysis addresses the cabinet only.

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Zone Details

Zone # 271	Zone Description Bulkhead
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Zone Properties

Equipment Installed		Boundaries	Access	Structures	Remarks
	Hydraulic Plumbing	FS 4580 to FS 49810 above floor level LHS/RHS - Aft bulkhead to AUX bulkhead	Via baggage door.	FS 4580 to FS 49810 above floor level LHS/RHS - AFT bulkhead to AUX bulkhead.	Zone 271 is the LHS Electrical Cabinet installed in the Baggage Compartment. This analysis addresses the cabinet only.
	Hydraulic Components (valves, actuators, pumps)				
	Pneumatic Plumbing (pilot static, vent, heater)				
	Pneumatic Components (valves, actuators)				
x	Electrical Wiring - Power Feeder (high voltage, high amperage)				
	Electrical Wiring - Motor Driven Devices				
x	Electrical Wiring - Instrumentation, and Monitoring				
x	Electrical Wiring - Data Bus				
x	Electrical Components				
	Primary Flight Control Mechanisms				
	Secondary Flight Control Mechanisms				
	Engine Control Mechanisms				
	Fuel Components				
	Insulation				
	Oxygen				
	Potable Water				
	Waste Water				

Zone Questions

#	Question	Response	Comments
1	Does Zone contain only Structure?	No	Class A and B LRUs installed.
2	Does Zone contain Wiring?	Yes	Electrical cabinet
3	Are combustible materials in Zone?	Yes	Potential for dust and lint to accumulate
4	Is wiring close to both primary and back-up hydraulic, mechanical, or electrical flight controls?	N/A	Not Applicable
5	Is there an effective task to significantly reduce the likelihood of accumulation of combustible materials?	Yes	Cleaning of the zone to remove dust and lint
6	Does Zone contain L/HIRF protection?	Yes	

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Standard Zonal Analysis

Zone #
271

Zone Description
Bulkhead

Likelihood of Accidental Damage					Likelihood of Accidental Damage			Hostility of Environment			
1 - High, 2 - Medium, 3 - Low					High	Medium	Low	1 - High, 2 - Medium, 3 - Low			
Ground Handling	3	Density	High	1	1	2	3	Atmosphere	3		
Cargo Handling	3				Moderate	2	1	1	2	Corrosive Products	3
Weather	3						Slight	3	1	2	3
Lightning Strike	3		2	3					3	Water Entrapment	3
Ramp/Runway Debris	3		3	3	3	Extreme Temperatures			3		
Spillage	3		2	3	3	Vibration	2				
Maintenance	2							Select lowest	2		
Operations	3										
Select lowest	2										

Interval Determination						
		Hostility of Environment			Calculated Rating	1
		1	2	3	In - Service Experience	
Density/ Accidental Damage	1	1	1	2	Remarks	
	2	1	2	3		
	3	2	3	3		

Tasks							
Task #	Transfer Reference #	Type	Task Title	Description	Interval	Access	Remarks
271-001		GVI		General visual inspection of baggage compartment electric cabinet for evidence of damage	4 Yr	Access via baggage compartment door.	Requires removal of electrical cabinet front access panel.



Standard Zonal Analysis Tasks Summary

Zone #
200

Zone Description
Upper half of fuselage to rear pressure bulkhead.

Standard Zonal Tasks Summary

Task #	Transfer Reference #	Type	Task Title	Description	Interval	Access	Remarks
271-001		GVI		General visual inspection of baggage compartment electric cabinet for evidence of damage	4 Yr	Access via baggage compartment door.	Requires removal of electrical cabinet front access panel.



Enhanced Zonal Analysis

Zone # 271	Zone Description Bulkhead
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Wiring Inspection Level Definition

		Zone Size			Zone Fire Effects					
		Large	Medium	Small	High	Medium	Low			
		1	2	3	1	2	3			
Density	High	1	1	1	2	Size and Density	1	1	1	2
	Medium	2	1	2	3		2	1	2	3
	Low	3	2	3	3		3	2	3	3

Wiring Inspection Level Verification

#	Question/Step	Response	Explanation
1	Is a Zonal GVI alone effective for the entire zone?	No	Zone requires detailed inspection for condition of the zone.
2	Should Zonal GVI be augmented with stand-alone GVI ? (If Yes, define specific wiring in the zone for which Stand-alone GVI is justified.)	No	
3	Should Zonal GVI be augmented with DET ? (If Yes, define specific wiring in the zone for which DET is justified.)	Yes	Wire Bundles 123WBA, 123WBB, 456WBA, 456WBB

Wiring Inspection Interval Determination

Likelihood of Accidental Damage		Hostility of Environment		Likelihood of Accidental Damage				Calculated Rating					
1 - High, 2 - Medium, 3 - Low		1 - Severe, 2 - Moderate, 3 - Passive		1	2	3	1						
Ground Handling Equipment	1	Temperature	2	Hostility of Environment	1	1	2	In - Service Experience	More than 15% of findings on similar models				
Foreign Object Damage	1	Vibration	2							2	1	2	3
Weather Effects (hail, etc.)	1	Chemicals	1										
Frequency of Maintenance	2	Humidity	1	3	2	3	3	Remarks	The higher the likelihood of AD and hostility of environment, more frequent inspections are required.				
Fluid Spillage	1	Contamination	1							3	2	3	3
Other		Other		3	2	3	3						
Select lowest	1	Select lowest	1										

Tasks

Task #	Type	Task Title	Description	Interval	ZIP?	Access	Remarks
271-001E	DET		Detailed inspection of electrical cabinet for evidence of damage to wire bundles.	6 Yr	N/A	Via baggage compartment door.	A Restoration task is applicable and effective to clean the zone and remove dust and lint particles.
271-002E	RST		Clean the compartment	6 Yr	N/A	Via baggage compartment door.	

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Enhanced Zonal Analysis Tasks Summary

Zone #
200

Zone Description
Upper half of fuselage to rear pressure bulkhead.

Enhanced Zonal Tasks Summary

Task #	Type	Task Title	Description	Interval	ZIP?	Access	Remarks
271-001E	DET		Detailed inspection of electrical cabinet for evidence of damage to wire bundles.	6 Yr	N/A	Via baggage compartment door.	A Restoration task is applicable and effective to clean the zone and remove dust and lint particles.
271-002E	RST		Clean the compartment	6 Yr	N/A	Via baggage compartment door.	

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MASTER FOR ACME AIRCRAFT, TURBOFAN 77 - L/HIRF ANALYSIS (REVISION 2011.1)

L/HIRF Analysis

Zone #
271

Zone Description
Bulkhead

Protection Systems

Description	Ref #	Location	Internal LRU Components	External Components	Characteristics	Degradation	Remarks
FCC A	Level A	Electrical cabinet - Baggage compartment			Wiring straps and ground points	Damage to wiring straps and broken/disconnected/corroded ground points	
LDG Gear BCU A	Level A	Electrical cabinet - Baggage compartment			Wiring strap	Broken wiring straps	
NAV COMM A	Level B	Electrical cabinet - Baggage compartment			Wiring straps and ground points	Damage to wiring straps and broken/disconnected/corroded ground points	
DCU A	Level B	Electrical cabinet - Baggage compartment			Wiring strap	Broken wiring straps	

Interval Determination

Likelihood of Accidental Damage		Hostility of Environment		Likelihood of Accidental Damage			Calculated Rating	In - Service Experience	Remarks
1 - High, 2 - Moderate, 3 - Low		1 - High, 2 - Medium, 3 - Low		1	2	3			
Spillage	1	Atmosphere	1	Hostility of Environment	1	1	2	1	
Maintenance	2	Corrosive products	1		2	1	2		
Operations	1	Condensation	1		3	2	3		
Select lowest	1	Water Entrapment	1		2	1	2		
		Extreme Temperatures	1		3	2	3		
		Vibration	2		3	3	3		
		Select lowest	1						

Tasks

Task #	Type	Task Title	Description	Interval	ZIP?	Access	Remarks
271-001L	GVI		General visual inspection of wire bundles and wire straps for evidence of damage	1 Yr	No	Via baggage compartment door.	
271-002L	DET		Detailed inspection of grounding points.	4 Yr	N/A	Via baggage compartment door.	

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L/HIRF Analysis Tasks Summary

Zone #
200

Zone Description
Upper half of fuselage to rear pressure bulkhead.

L/HIRF Tasks Summary

Task #	Type	Task Title	Description	Interval	ZIP?	Access	Remarks
271-001L	GVI		General visual inspection of wire bundles and wire straps for evidence of damage	1 Yr	No	Via baggage compartment door.	
271-002L	DET		Detailed inspection of grounding points.	4 Yr	N/A	Via baggage compartment door.	

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Zone Tasks Summary (All Analyses)

Zone #
200

Zone Description
Upper half of fuselage to rear pressure bulkhead.

All Tasks Summary

Task #	Transfer Reference #	Type	Task Title	Description	Interval	Access	Remarks
271-001		GVI		General visual inspection of baggage compartment electric cabinet for evidence of damage	4 Yr	Access via baggage compartment door.	Requires removal of electrical cabinet front access panel.
271-001E		DET		Detailed inspection of electrical cabinet for evidence of damage to wire bundles.	6 Yr	Via baggage compartment door.	A Restoration task is applicable and effective to clean the zone and remove dust and lint particles.
271-001L		GVI		General visual inspection of wire bundles and wire straps for evidence of damage	1 Yr	Via baggage compartment door.	
271-002E		RST		Clean the compartment	6 Yr	Via baggage compartment door.	
271-002L		DET		Detailed inspection of grounding points.	4 Yr	Via baggage compartment door.	

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