

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
Chapter 23 –Communications																	
1.	Audio System																
1.a.	Audio System - Flight Compartment Control Unit and Power Panels	Condition and security of mounting. (Card 09–08)				X	X	X	X	X	X	X	X	X	X	X	
1.b.	Audio System - Flight Compartment Speakers and Speaker Panel Assembly	Condition and security. (Card 09–08)				X	X	X	X	X	X	X	X	X	X	X	
1.c.	Audio System - Flight Compartment Pilot and Co-Pilot Head Sets	Condition and security. (Card 02–03)			X												
1.d.	Audio System - Passenger Address System (Pre Mod 6/2028)	Condition and security of mounting; microphone for condition; ceiling speakers for condition and security. (Card 11–12)				X	X	X	X	X	X	X	X	X	X	X	
1.e.	Audio System (Pre Mod 6/2028)	Operational test of interphone and audio integrating systems. (Card FUN–B4)			X												
VHF and VHF Standby:																	
2.	VHF and VHF Standby - Antennas (Pre Mod 6/2003)	Condition and security of mounting and adjacent structure, connections for security; fiberglass cover for cracks and deterioration; wire whip(s) for bending or misalignment. (Card 10–04)				X	X	X	X	X	X	X	X	X	X	X	
2.a.	Antennas - Control Units (Pre Mod SOO 6215) (Pre Mod 6/2049)	Condition and security of mounting. (Card 29–07)								X						X	

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					1	2	3	4	5	6	7	8	9	10	11	D or 12
2.b. Antennas - VHF/FM Unit	Condition and security of mounting; cables for condition and connector for security. (Card 23–14g)						X			X			X			X
2.c.(1) Antennas - VHF Upper Aft Antenna (Mod 6/2003)	Condition and security; control and indications for condition; wiring and connectors for security. Clean as required. (Card 10–4a)				X	X	X	X	X	X	X	X	X	X	X	X
2.c.(2) Antennas - VHF Upper Aft Antenna (Mod 6/2003)	Inspect bonding of the mating surfaces between the antenna and the airframe (3.0 milliohms). Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details. (Card 17–19f)					X		X		X		X		X		X
2.d.(1) Antennas - VHF Fwd Antenna (Mod 6/2003)	Condition and security; control and indications for condition; wiring and connectors for security. Clean as required. (Card 10–4Bb)				X	X	X	X	X	X	X	X	X	X	X	X
2.d.(2) Antennas - VHF Fwd Antenna (Mod 6/2003)	Inspect bonding of the mating surfaces between the antenna and the airframe (3.0 milliohms). Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details. (Card 17–19g)					X		X		X		X		X		X

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					1	2	3	4	5	6	7	8	9	10	11	D or 12
2.e.(1) Antennas - VHF Lower Aft Antenna (Mod SOO 6231) (Mod 6/2003)	Condition and security; control and indications for condition; wiring and connectors for security. Clean as required. (Card 10–4c)				X	X	X	X	X	X	X	X	X	X	X	X
2.e.(2) Antennas - VHF Lower Aft Antenna (Mod SOO 6231) (Mod 6/2003)	Inspect bonding of the mating surfaces between the antenna and the airframe (< 3.0 milliohms). Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details. (Card 17–19h)					X		X		X		X		X		X
2.f.(1) Antennas - VHF FM Antenna (Mod SOO 6296)	Condition and security; control and indicators for condition; wiring and connectors for security. Clean as required. (Card 10–4D)				X	X	X	X	X	X	X	X	X	X	X	X
2.f.(2) Antennas - VHF FM Antenna (Mod SOO 6296)	Inspect bonding of the mating surfaces between the antenna and the airframe (< 3.0 milliohms). Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details. (Card 17–19k)					X		X		X		X		X		X

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SYSTEM AND ITEM	INSPECTION REQUIREMENT	R O U T I N E	A	B	C CHECK X 500 HOURS											
					1	2	3	4	5	6	7	8	9	10	11	D or 12
3. 3.a.	HF System HF System - Antennas (Pre Mod SOO 6215) (Pre Mod 6/2003)	Condition, masts for cracks and security; wire for proper tension and loose connections; cable covering for cracks and deterioration; tension unit at vertical stabilizer tip for cracks, corrosion and security. Lead-in sleeves for cracks and security. Insulators for condition; connections for security. Clean as required. (Cards 10-02, 10-03)				X	X	X	X	X	X	X	X	X	X	X
3.b.	HF System -Transceivers /Control Units (Pre Mod SOO 6215) (Pre Mod 6/2049)	Condition and security of mounting. (Card 29-07)								X						X
3.c.	HF System - Antenna Coupler (Pre Mod SOO 6215) (Pre Mod 6/2049)	Connections for security and mounting for security. Clean as required. (Card 18-15)				X		X		X		X		X		X
3.d.	HF System - HF Power Unit (Pre Mod SOO 6215) (Pre Mod 6/2049)	Condition and security of mounting, cables for condition and connectors for security. (Card 18-12a)				X		X		X		X		X		X
3.e.(1)	HF System - HF Control Head (PS440) (Mod SOO 6215) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 18-30a)				X		X		X		X		X		X

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					1	2	3	4	5	6	7	8	9	10	11	D or 12
3.e.(2) HF System - HF Control Head (PS440) (Mod SOO 6215) (Mod 6/2049)	Inspect grounding of wiring bundle shield braid to airframe structure (< 2.5 milliohms). Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details. (Card 18–30b)					X		X		X		X		X		X
3.f.(1) HF System - HF Receiver/Exciter (Mod SOO 6215) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 18–30c)					X		X		X		X		X		X
3.f.(2) HF System - HF Receiver/Exciter (Mod SOO 6215) (Mod 6/2049)	Inspect bonding of the mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details. (Card 18–30d)					X		X		X		X		X		X
3.g.(1) HF System - HF Receiver Amplifier (KPA 1052) (Mod SOO 6215) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 18–30e)					X		X		X		X		X		X

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					1	2	3	4	5	6	7	8	9	10	11	D or 12
3.g.(2) HF System - HF Receiver Amplifier (KPA 1052) (Mod SOO 6215) (Mod 6/2049)	Inspect bonding of the mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details. (Card 18–30f)					X		X		X		X		X		X
3.h.(1) HF System - HF Coupler (KAC 1052) (Mod SOO 6215) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 18–30g)					X		X		X		X		X		X
3.h.(2) HF System - HF Coupler (KAC 1052) (Mod SOO 6215) (Mod 6/2049)	Inspect bonding of the mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details. (Card 18–30h)					X		X		X		X		X		X
3.h.(3) HF System - HF Coupler (KAC 1052) (Mod SOO 6215) (Mod 6/2049)	Pressure test coupler. Note Refer to Maintenance Manual. (Cards 18–32, CAL 18–32)				Every Year											
3.i.(1) HF System - HF Antenna (Mod SOO 6215) (Mod 6/2049)	Condition, mast for cracks and security; wire for proper tension and loose connections; cable covering for cracks and deterioration; tension unit at vertical stabilizer tip for cracks. (Cards 10–02, 10–03)				X	X	X	X	X	X	X	X	X	X	X	X

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3.i.(2)	HF System - HF Antenna (Mod SOO 6215) (Mod 6/2049)	Inspect bonding of the antenna bonding strap from antenna coupler to antenna base.(< 3 milliohms). Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details. (Card 18–30i)					X		X		X		X		X		X
4.	Communication Installation	Cables for condition; connections for security; bonding wire for condition and security. Clean as required. (Card 29–08)															
4.a.	Communication Installation - Cables, Connectors and Terminal Blocks									X							X
4.b.	Communication Installation - Equipment Shock Mounts		Cracks, corrosion and security. Vibration isolators for deterioration and condition; proper bonding wire for condition and security. (Card 22–05)						X			X			X		
4.c.	Communication Installation - Static Discharge Wicks	Condition and security (minimum length one inch wick extension from sheath). (Cards 12–03, 13–01, 14–01)				X	X	X	X	X	X	X	X	X	X	X	X
4.d.	Communication Installation - Lightning Protection	Rod for condition and security. (Card 01–10)			X												
4.e.	Communication Installation - All Systems	Operational Test. (Card FUN–B2)			X												

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5.(1) Pilot/Co-Pilot Audio Panel (KMA 29) (Mod SOO 6209) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Cards 16–20a, 16–20c)					X		X		X		X		X		X
5.(2) Pilot/Co-Pilot Audio Panel (KMA 29) (Mod SOO 6209) (Mod 6/2049)	Inspect grounding of wiring bundle shield to airframe structure (< 2.5 milliohms). Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details. (Cards 16–20b, 16–20d)					X		X		X		X		X		X
5.(3) Pilot/Co-Pilot Audio Panel (KMA 29) (Mod SOO 6209) (Mod 6/2049)	Audio panel emergency switch operational test. (Card 16–20e)					X		X		X		X		X		X
6.(1) Audio System Isolation Amplifier (NAT 247) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 15–26b)					X		X		X		X		X		X
6.(2) Audio System Isolation Amplifier (NAT 247) (Mod 6/2049)	Inspect bonding of the mating surfaces between the unit and the airframe (< 2.5 milliohms). Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details. (Card 15–26a)					X		X		X		X		X		X

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					1	2	3	4	5	6	7	8	9	10	11		
7. MMDR																	
7.a.(1) MMDR #1 (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 15–25a)						X		X		X		X		X	X	
7.a.(2) MMDR #1 (Mod 6/2049)	Inspect bonding of the mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details. (Card 15–25b)					X		X		X		X		X		X	
7.b.(1) MMDR #2 (Mod SOO 6209) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 15–25c)					X		X		X		X		X		X	
7.b.(2) MMDR #2 (Mod SOO 6209) (Mod 6/2049)	Inspect bonding of the mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details. (Card 15–25d)					X		X		X		X		X		X	
8. Emergency Frequency Com Tuning Switch	Operational Test. (Card 15–27)					X		X		X		X		X		X	

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9.(1) GPS/IRIDIUM/WiFi Antenna (SOO 6288) (SOO 6298)	Condition, security and corrosion; condition of external fillet seal; condition of coaxial cables and connectors and security of attachment of coaxial cables. (Card 10–9)				X	X	X	X	X	X	X	X	X	X	X	X
9.(2) GPS/IRIDIUM/WiFi Antenna (SOO 6288) (SOO 6298)	Inspect bonding of mating surfaces between the antenna baseplate and airframe (<3.0 milliohms). Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details. (Card 17–19l)					X		X		X		X		X		X
10.(1) SkyNode SAT COM Transceiver (SOO 6298)	Condition, security and corrosion; electrical wires and connectors for condition and security of attachment. (Card 15–28)					X		X		X		X		X		X
10.(2) SkyNode SAT COM Transceiver (SOO 6298)	Function test. (Power on). (Card FUN–D7)					X		X		X		X		X		X
11. SAT COM Panel/Dialer (RC6000/A) (SOO 6298)	Condition, security and corrosion; electrical wires and connectors for condition and security of attachment. (Card 16–18k)					X		X		X		X		X		X

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