



GENERAL COMMUNICATION SYSTEMS

Standards

(See www.ncatt.org/standards/level_definitions.html for level definitions)

1. Principles

<u>Standard</u>	<u>Level</u>
a) Transmitters -----	B
b) Receivers-----	B
c) Transponders -----	B
d) Antennas -----	B
e) Transmission Lines -----	B

2. High Frequency (HF)

<u>Standard</u>	<u>Level</u>
a) Purpose and Characteristics -----	B
b) Theory of Operation -----	B
c) System Tie-In/Integration -----	A
d) Perform operational checks-----	2b
e) Isolate Malfunctions -----	2b
f) Remove and install (R&I) LRUs -----	2b

3. Ultra High Frequency (UHF)

<u>Standard</u>	<u>Level</u>
a) Purpose and Characteristics -----	B
b) Theory of Operation -----	B
c) System Tie-In/Integration -----	A
d) Perform operational checks -----	2b
e) Isolate Malfunctions -----	2b
f) Remove and install (R&I) LRUs -----	2b

4. Very High Frequency (VHF)

<u>Standard</u>	<u>Level</u>
a) Purpose and Characteristics -----	B
b) Theory of Operation -----	B
c) System Tie-In/Integration -----	A
d) Perform operational checks-----	2b
e) Isolate Malfunctions-----	2b
f) Remove and install (R&I) LRUs-----	2b



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5. Satellite Communication (SATCOM)

<u>Standard</u>	<u>Level</u>
a) Purpose and Characteristics -----	B
b) Theory of Operation-----	B
c) System Tie-In/Integration-----	A
d) Perform operational checks-----	2b
e) Isolate Malfunctions-----	2b
f) Remove and install (R&I) LRUs-----	2b

6. Flight Phone

<u>Standard</u>	<u>Level</u>
a) Purpose and Characteristics -----	B
b) Theory of Operation-----	B
c) System Tie-In/Integration-----	A
d) Perform operational checks-----	2b
e) Isolate Malfunctions-----	2b
f) Remove and install (R&I) LRUs-----	2b

7. Passenger Address

<u>Standard</u>	<u>Level</u>
a) Purpose and Characteristics-----	B
b) Theory of Operation-----	B
c) System Tie-In/Integration-----	A
d) Perform operational checks-----	2b
e) Isolate Malfunctions-----	2b
f) Remove and install (R&I) LRUs-----	2b

8. VHF Data Link

<u>Standard</u>	<u>Level</u>
a) Purpose and Characteristics -----	B
b) Theory of Operation-----	B
c) System Tie-In/Integration-----	A
d) Perform operational checks-----	2b
e) Isolate Malfunctions-----	2b
f) Remove and install (R&I) LRUs-----	2b



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9. Automatic Crew Alert Reporting System (ACARS)

<u>Standard</u>	<u>Level</u>
a) Purpose and Characteristics-----	B
b) Theory of Operation-----	B
c) System Tie-In/Integration-----	B
d) Perform operational checks-----	2b
e) Isolate Malfunctions-----	2b
f) Remove and install (R&I) LRUs-----	2b

10. Selective Calling (SELCAL)

<u>Standard</u>	<u>Level</u>
a) Purpose and Characteristics-----	B
b) Theory of Operation-----	B
c) System Tie-In/Integration-----	A
d) Perform operational checks-----	2b
e) Isolate Malfunctions-----	2b
f) Remove and install (R&I) LRUs-----	2b

11. Emergency Locator Transmitter (ELT)

<u>Standard</u>	<u>Level</u>
a) Purpose and Characteristics -----	B
b) Theory of Operation-----	B
c) System Tie-In/Integration-----	A
d) Perform operational checks-----	2b
e) Isolate Malfunctions-----	2b
f) Remove and install (R&I) LRUs-----	2b

12. Cockpit Voice Recorder

<u>Standard</u>	<u>Level</u>
a) Purpose and Characteristics -----	B
b) Theory of Operation -----	B
c) System Tie-In/Integration -----	A
d) Perform operational checks-----	2b
e) Isolate Malfunctions-----	2b
f) Remove and install (R&I) LRUs-----	2b