

Freezing Rain (FZRA)

Rain is precipitation on the ground or aloft in the form of liquid water drops which have diameters greater than 0.5mm. Freezing rain is rain that exists at air temperatures less than 0 degrees C, remains in liquid form, and freezes upon contact with objects on the surface or airborne. While the temperature of the ground and glazed objects initially must be near or below freezing, it is necessary that the water drops be supercooled before striking. When encountered by an aircraft in flight, freezing rain can cause a dangerous accretion of icing.

Freezing Precipitation

Freezing precipitation is freezing rain or freezing drizzle.

Freezing Drizzle (FZDZ)

Drizzle is precipitation on the ground or aloft in the form of liquid water drops which have diameters less than 0.5mm and greater than 0.05mm. Freezing drizzle is drizzle that exists at air temperatures less than 0 degrees C, remains in liquid form, and freezes upon contact with objects on the ground or airborne. While the temperature of the ground surface and glazed objects initially must be near or below freezing, it is necessary that the water drops be supercooled before striking. When encountered by an aircraft in flight, freezing drizzle can cause a dangerous accretion of icing.

Icing in Precipitation

Icing resulting from an encounter with freezing precipitation, that is, supercooled drops with diameters exceeding 50 microns (defined as SLD, which includes both freezing drizzle and freezing rain). The Precipitation may be either within or outside of (usually below) the visible cloud.

Icing in Cloud

Icing occurring within cloud (visible moisture) and temperature below freezing, but without precipitation visible. Cloud droplets (diameters <50 microns) will be present. SLD may or may not be present.

Supercooled Large Drops (SLD)

SLD includes freezing rain or freezing drizzle.

Supercooled Drizzle Drops (SCDD)

Are synonymous with freezing drizzle aloft.

Appendix C Icing Conditions

Conditions for ice protection certification found in Appendix C of CFR 14 part 25.

L. Nicholas Lacey,

Director of Flight Standards.

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

RTCA Special Committee 188; Minimum Aviation System Performance Standards For High Frequency Data Link

Pursuant to section 10(a)(2) of the Federal Advisory Committee Act (Pub. L. 92-463, 5 U.S.C., Appendix 2), notice is hereby given for Special Committee 188 meeting to be held January 18, 2001, starting at 1 p.m. The meeting will be held at RTCA, Inc., 1140 Connecticut Avenue, NW., Suite 1020, Washington, DC 20036.

The agenda will include: (1) Welcome and Introduction of the New Chairman, SC-188; (2) Opening comments; (3) WG-1, High Frequency Data Link Minimum Operational Performance (MOPS), Status Report and Future Plans; (4) WG-2, High Frequency Data Link Minimum Aviation System Performance Standards (MASPS), (5) Review Action Items; (6) Date and Location of Next Meeting; (7) Other Business; (8) Closing.

Attendance is open to the interested public but limited to space availability. With the approval of the chairman, members of the public may present oral statements at the meeting. Persons wishing to present statements or obtain information should contact the RTCA Secretariat, 1140 Connecticut Avenue, NW., Suite 1020, Washington, DC 20036; (202) 833-9339 (phone); (202) 833-9434 (fax); or <http://www.rtca.org> (web site). Members of the public may present a written statement to the committee at any time.

Issued in Washington, DC, on December 18, 2000.

Janice L. Peters,

Designated Official.

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

RTCA Special Committee 196; Night Vision Goggle (NVG) Appliances & Equipment

Pursuant to section 10(a)(2) of the Federal Advisory Committee Act (P.L. 92-463, 5 U.S.C., Appendix 2), notice is hereby given for Special Committee (SC)-196 meeting to be held January 8-10, starting at 8:00 a.m. each day. The meeting will be held at RTCA, Inc., 1140 Connecticut Avenue, N.W., Suite 1020, Washington, DC 20036.

The agenda will include: (1) Welcome and Introductory Remarks; (2) Agenda Overview; (3) Review/Approval of Previous Meeting Minutes; (4) Action Item Status Review; (5) Overview of SC-196 Working Group (WG) Activities: (a) WG-1, Operational Concept/Requirements; (b) WG-2, Night Vision Goggles Minimum Operational Performance Standards; (c) WG-3, Night Vision Imaging System Lighting; (d) WG-4, Maintenance/Serviceability; (e) WG-5, Training Guidelines/Considerations; (6) WG-1 Comments Review; (7) Operational Concept/Requirements PMC Comment Process; (8) Open Issue List Review; (9) Other Business; (10) Establish Agenda for Next Meeting; (11) Date and Location of Next Meeting; (12) Working Group Chairperson meeting; (13) Closing.

Attendance is open to the interested public but limited to space availability. With the approval of the chairman, members of the public may present oral statements at the meeting. Persons wishing to present statements or obtain information should contact the RTCA Secretariat, 1140 Connecticut Avenue, NW., Suite 1020, Washington, DC, 20036; (202) 833-9339 (phone); (202) 833-9434 (fax); or <http://www.rtca.org> (web site). Members of the public may present a written statement to the committee at any time.

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