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# INTERNATIONAL CIVIL AVIATION ORGANIZATION

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GLOBAL DEVELOPMENTS  
RELATED TO CNS/GIS

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# GLOBAL DEVELOPMENTS RELATED TO COMMUNICATIONS

—  
BY CNS SECTION

ICAO MID CNS SG/15 Meeting

Doha, Qatar

(Slides were updated in April 2026)

# COMMUNICATIONS

The 7th meeting of the Data Communication Infrastructure Specific Working Group of the Communications Panel (CP-DCIWG/7) was held 11-14 June 2024. Several deliverables, proposals for amendment to Annex 10 Volume III, were provided by CP-DCIWG/7.

- **Amendment to Annex 10-Aeronautical Telecommunications, Volume III – Communication Systems relating to Updates of the SATCOM SARP.**

*(The PfA introduces in the AMS(R)S SARPS stringent performance provisions for new technical capabilities which will support new enhanced services, such as ATS B2 for data and one stage secure dialing for voice. These new provisions are based on published industry performance standards.)*

- PfA preliminary review was conducted in Q1 2025
  - State letter was published AN 7/64.1.3- 25/51 23 May 2025
- Final review by the Air Navigation Commission planned for June 2026

# COMMUNICATIONS

## Council Adopted amendment 93 to Annex 10, Volume III related to ATN/IPS and amendment 94 to Annex 10, Volume II Cont.



International Civil Aviation Organization    Organisation de l'aviation civile internationale    Organización de Aviación Civil Internacional    Международная организация гражданской авиации    منظمة الطيران المدني الدولي    国际民用航空组织

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Ref: AN 7/63.1.3, AN 7/64.1.1- 23/59

31 July 2023

**Subject:** Proposed amendment to Annex 10, Volume III related to ATN/IPS and consequential amendment to Annex 10, Volume II, stemming from the sixth meeting of the Data Communications Infrastructure Working Group of the Communications Panel (CPDCIWG/6)

**Action required:** Comments to reach Montréal by 31 January 2024

Sir/Madam,

1. I have the honour to inform you that the Air Navigation Commission (ANC), at the sixth meeting of its 223<sup>rd</sup> Session held on 13 June 2023, considered a proposal developed by the sixth meeting of the Data Communications Infrastructure Working Group of the Communications Panel (CPDCIWG/6) to amend Annex 10 — *Aeronautical Telecommunications*, Volume III — *Communication Systems*, Part I — *Digital Data Communication Systems* and Part II — *Voice Communication Systems*, and consequential amendment to Annex 10, Volume II — *Communication Procedures including those with PANS status*. The Commission authorized its transmission to Member States and appropriate international organizations for comments.

2. The proposal introduces provisions relating to updates to the aeronautical telecommunication network (ATN)/Internet Protocol Suite (IPS) requirements regarding IPS mobility across multiple media, naming and addressing, IPS security, quality of service (QoS), system management and overall transitional aspects.

State Letter (AN 7/64.1.3- 25/51) was published on 23 May 2025 and circulated to States and international organizations for their comments.

**Due date for comments is set to 24 November 2025.**

**Proposals for the amendment of Annex 10, Volume III relating to satellite communication systems in support of ASBU Blocks 1 and 2, arising from the seventh meeting of the Data Communication Infrastructure Specific Working Group of the Communications Panel (CP-DCIWG/7)**

# COMMUNICATIONS

## Council Adopted amendment 93 to Annex 10, Volume III related to ATN/IPS and amendment 94 to Annex 10, Volume II Cont.



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Ref: AN 7/64.2.4-25/25

23 April 2025

**Subject:** Adoption of Amendment 93 to Annex 10, Volume III

**Action required:** a) Notify any disapproval before 4 August 2025; b) Notify any differences and compliance before 27 October 2025; c) Consider the use of the Electronic Filing of Differences (EFOD) System for notification of differences and compliance

Sir/Madam,

1. I have the honour to inform you that Amendment 93 to the *International Standards and Recommended Practices, Aeronautical Telecommunications— Communication Systems* (Annex 10, Volume III, to the Convention on International Civil Aviation) was adopted by the Council at the twelfth meeting of its 234th Session on 28 March 2025. Copies of the Amendment and the Resolution of Adoption are available as attachments to the electronic version of this State letter on the ICAO-NET (<http://portal.icao.int>) where you can access all other relevant documentation.

State Letter (AAN 7/64.2.4-25/25) was published on 23 April 2025 and circulated to States and international organizations.

**Action:** a) Notify any disapproval before 4 August 2025; b) Notify any differences and compliance before 27 October 2025; c) Consider the use of the Electronic Filing of Differences (EFOD) System for notification of differences and compliance

The Council resolved that Amendment 93, to the extent it becomes effective, will become applicable on 27 November 2025. The SATCOM Manual is fully revamped and ready as the latest guidance supporting the new provisions to be endorsed by DCIWG/8 13-17 April 2026

# COMMUNICATIONS

- In support of the Provisions on the exchange of information using the aeronautical telecommunication network over the internet protocol suite that were adopted by the Council at the twelfth meeting of its 234th Session on 28 March 2025, three new manuals and new edition of Doc 9896 were endorsed:
  - Doc 10090 “Manual of Security Services for Aeronautical Communications”
  - Doc 10095 “Manual of Public Key Infrastructure (PKI) Policy for Aeronautical Communication
  - Doc 10145 “Manual of Security Risk Assessment for Aeronautical Communications”
  - Doc 9896 “Manual on the Aeronautical Telecommunication Network (ATN) using Internet Protocol Suite (IPS) Standards and Protocol, edition 3”
  - All these are ready and published

# COMMUNICATIONS

## Space-based VHF (SB-VHF) Communications

### Comprehensive SARPs Package:

- Proposal for Amendment (PfA) to Annex 10, Volume III and V.
- Supported by Validation Report confirming technical feasibility.
- Impact Assessment and Implementation Plan was also prepared and ready
- The complete SB-VHF package will be presented to the eighth meeting of the Data Communication and Infrastructure Working Group (CP-DCIWG/8).
- Following DCIWG endorsement, the package will be progressed to ANC for Preliminary Review in September 2026.

# COMMUNICATIONS

- SARPS on L-Band Terrestrial Data Link System (LDACS)
  - Postpone the PfA submission until the resolution of the comments from NSP and SP on compatibility (inter-panel TF)
- Advanced cellular technology introduction for AeroMACS
  - New performance-based PfA for Vol III for AeroMACS
- Air ground data link documents, maintenance and improvements
- The Space-Based VHF PfA is ready for endorsement by DCWIG/8 meeting
  - Both Vol III and Vol V in coordination with FSMP
- Introduction of VoIP Air-ground Networks study started in DCIWG-WGI
  - Study already commenced under DCIWG WG-I during the last WG-I meeting in Oct 2025
- DCIWG/8 will also review the new job card for HYCON



Thank You

