



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY

GLOBAL DEVELOPMENTS
RELATED TO FREQUENCY
SPECTRUM MANAGEMENT

RECONNECTING **THE** WORLD

GLOBAL DEVELOPMENTS RELATED TO FREQUENCY SPECTRUM MANAGEMENT

—
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(Frequency Spectrum Management Panel (FSMP) Secretary)

CNSS/ANB ICAO

FREQUENCY SPECTRUM MANAGEMENT

ICAO Position for the International Telecommunication Union (ITU) World Radiocommunication Conference 2027 (WRC-27)

- The ICAO Council, at the ninth meeting of its 235th Session held on 25 June 2025, approved the ICAO Position for ITU WRC-27.
- The relevant State Letter was published on 16 July 2025.



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

Tel.: +1 514-315-2009
Ref: E 3/5-25/65 16 July 2025

Subject: ICAO Position for the International Telecommunication Union (ITU) World Radiocommunication Conference (2027) (WRC-27)

Action required: To consider the ICAO Position when developing your State's position for WRC-27, CAA representation in your State's Delegation participating in WRC-27, and to support the ICAO Position during WRC-27

Sir/Madam,

1. I have the honour to inform you that the ICAO Council, at the ninth meeting of its 235th Session held on 25 June 2025, approved the ICAO Position on issues of critical concern to aviation which are on the agenda of the International Telecommunication Union (ITU) World Radiocommunication Conference (2027) (WRC-27) as contained in the attachment to this letter.

2. The ICAO Position will be submitted to the ITU WRC-27. In addition, ICAO will undertake, within the budget limits of the Organization, to present the ICAO Position at the WRC-27 preparatory activities within ITU and Regional Telecommunications Organizations. However, I wish to emphasize that active support from States is the only way to ensure that the results of WRC-27 reflect civil aviation's continued need for radio frequency spectrum. In this regard, I invite your attention to Assembly Resolution A41-7 (Support of the ICAO Policy on radio frequency spectrum matters). Hence, I would kindly request your support and participation in regional WRC-27 preparatory meetings and symposia, and that representatives from your civil aviation administration, relevant international organizations representing the civil aviation industry and other civil aviation stakeholders are included in your delegation to the conference.

3. I wish to request that the enclosed information be considered for incorporation into your State's position for WRC-27 and that your delegation to the conference be prepared to support the ICAO Position on issues of concern to international civil aviation.

Accept, Sir/Madam, the assurances of my highest consideration.

for Juan Carlos Salazar
Secretary General

Enclosures:
A — Executive Summary
B — ICAO Position for the ITU WRC-27

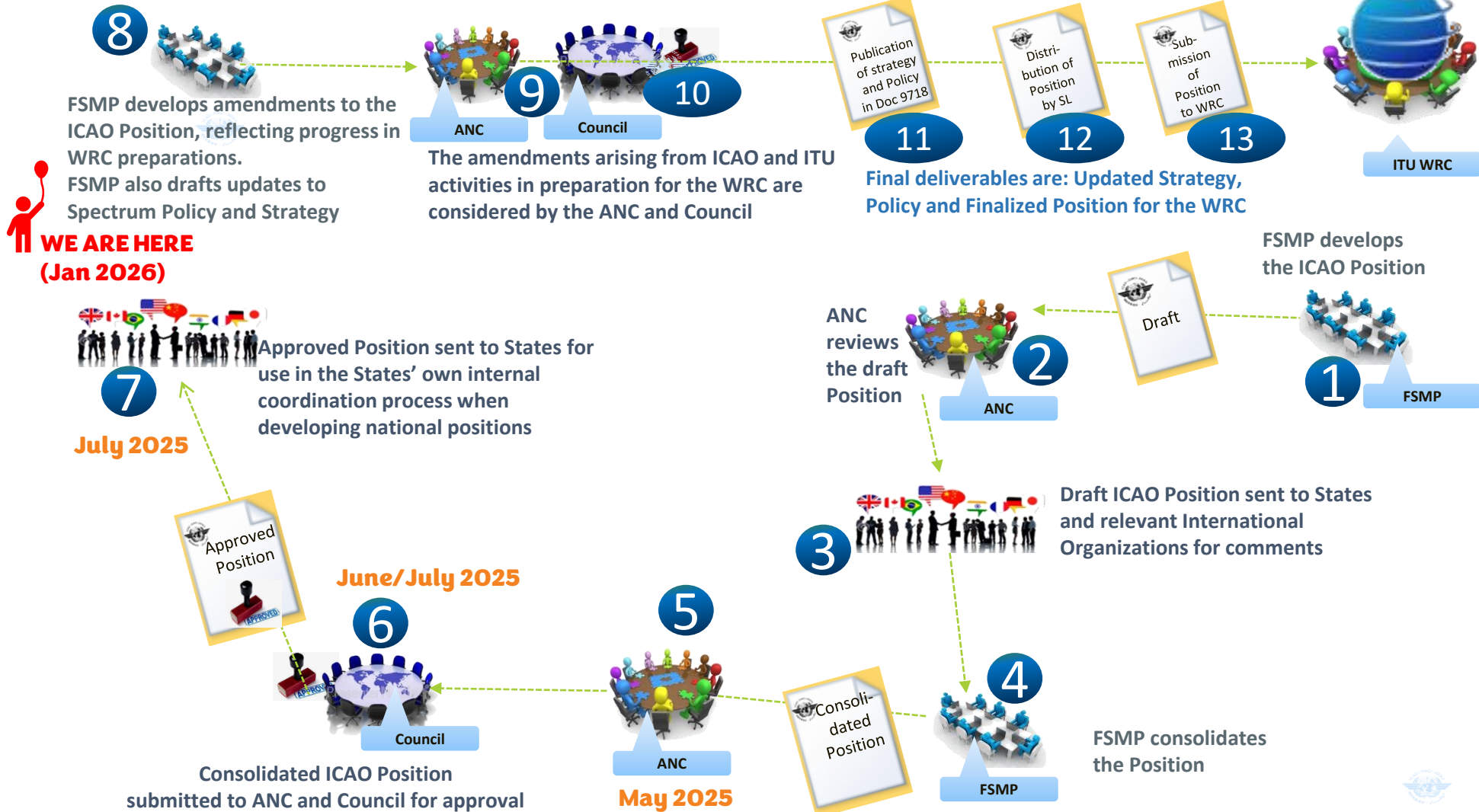
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State Letter 24/93 (ICAO-NET)

[SL.2025.65 E](#) [ar](#) [es](#) [fr](#) [ru](#) [zh](#)

FREQUENCY SPECTRUM MANAGEMENT

ICAO Position and WRC preparations



FREQUENCY SPECTRUM MANAGEMENT

ICAO Position for the International Telecommunication Union (ITU) World Radiocommunication Conference 2027 (WRC-27)

States and Int Orgs are requested to take into account the ICAO Position, to the maximum extent possible,

- in their prep activities for the WRC-27 at the national level,
- in the activities of the regional telecommunication organizations and
- in the relevant meetings of the ITU.

In addition to the first two workshops held in APAC and EUR/NAT, to promote ICAO position and increase awareness of WRC-27 agenda items related to aviation, FSMP will organize 2 more workshops in 2026.

The next WRC27 Workshop for MID+EUR/NAT will be held at

ICAO WACAF office.

- WRC27 Workshop 02-03 Mar 2026
- FSMP-WG/22 04 -13 Mar 2026

**Many WRC agenda items
could affect
aeronautical safety
services!**

**- *Further collaboration
is needed!***

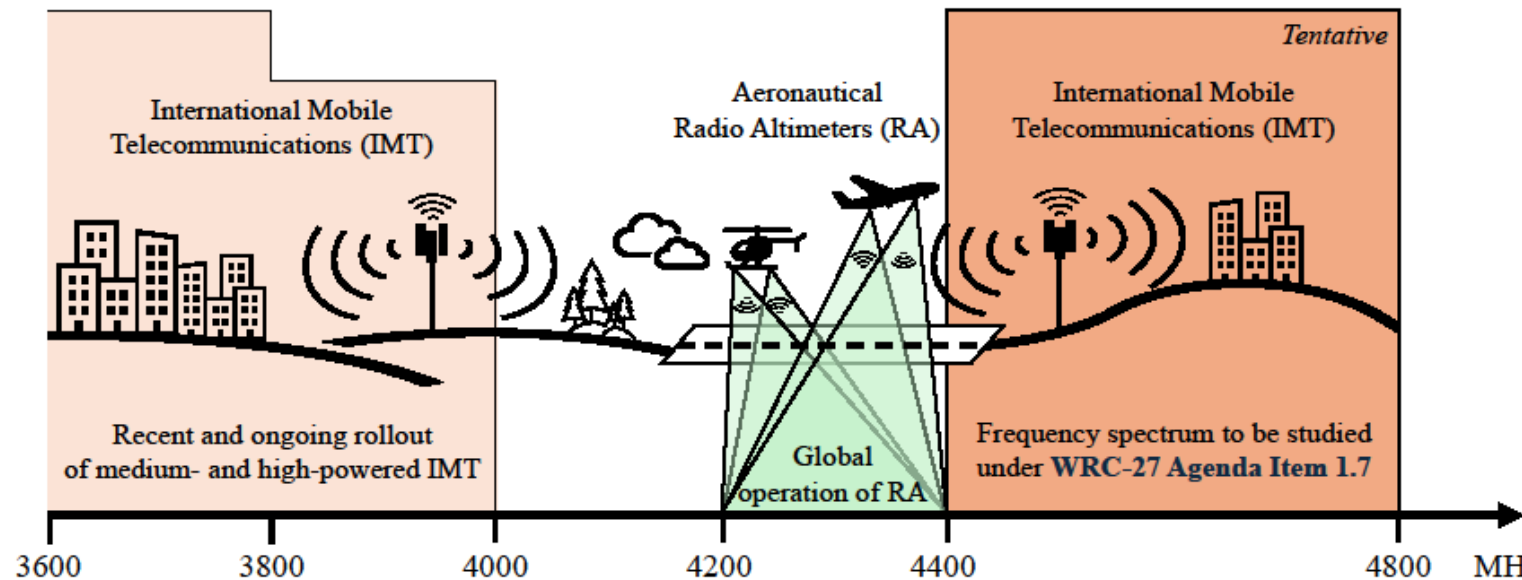
FREQUENCY SPECTRUM MANAGEMENT

WRC-27

WRC-27 Agenda Item 1.7:

Study on IMT use in the frequency bands 4400-4800 MHz, 7125-8400 MHz and 14.8-15.35 GHz

- Looks to identify the frequency band immediately above the Radio Altimeter band to International Mobile Telecommunications.
- Radio Altimeters are a critical safety system.
- In the current ITU preparatory studies (ITU-R WP 5B and WP 5D) due account is not being taken of the safety critical role of the radio altimeters.

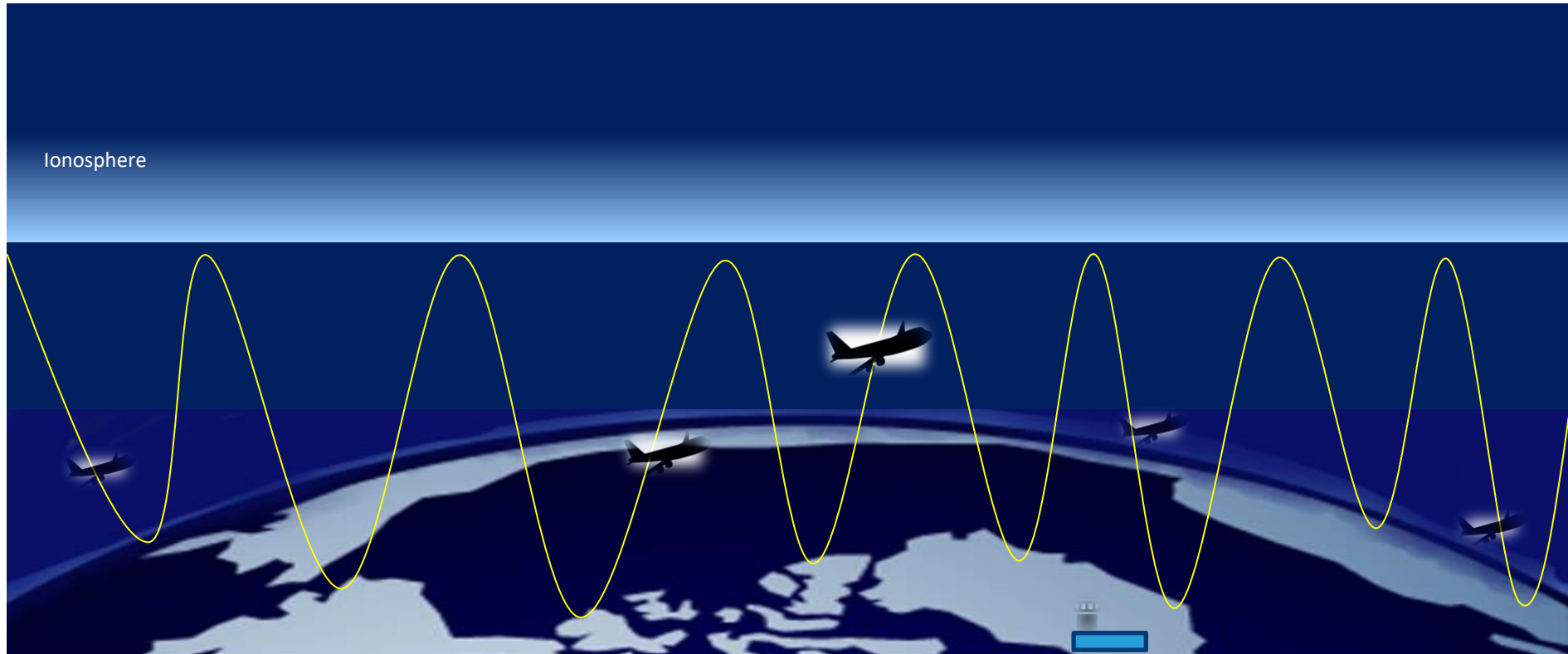


Should Aviation Authorities fail to step up and actively provide expert representation and advice in the ITU World Radiocommunication Conference preparatory process, this may result in unsustainable loss of critical functions necessary for maintaining the current level of safety in aviation



WRC-27

WRC-27 Agenda Item 1.9: Update Appendix 26 in support of aeronautical mobile (OR) high frequency modernization





WRC-27

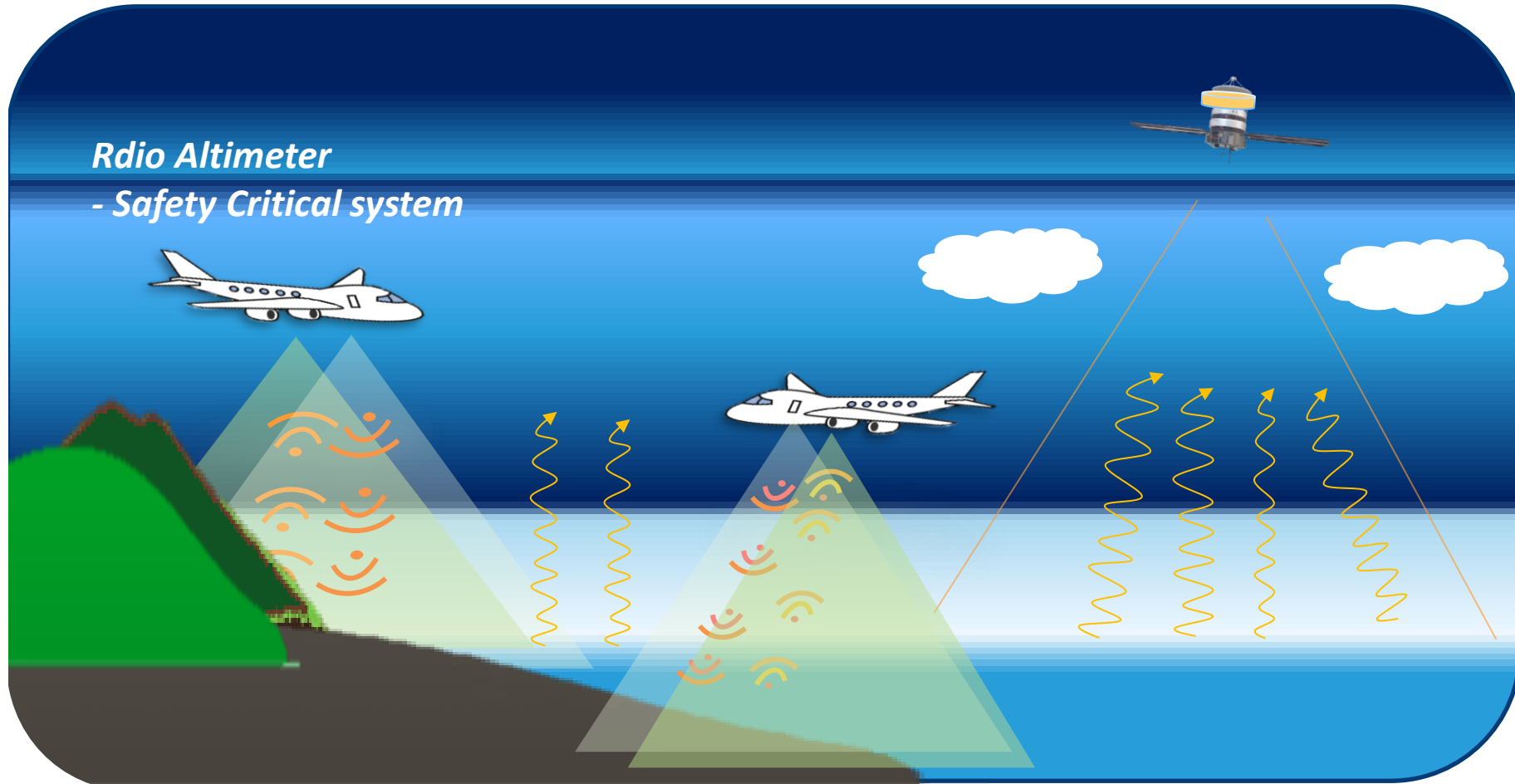
WRC-27 Agenda Item 1.17: Space Weather Sensors





WRC-27

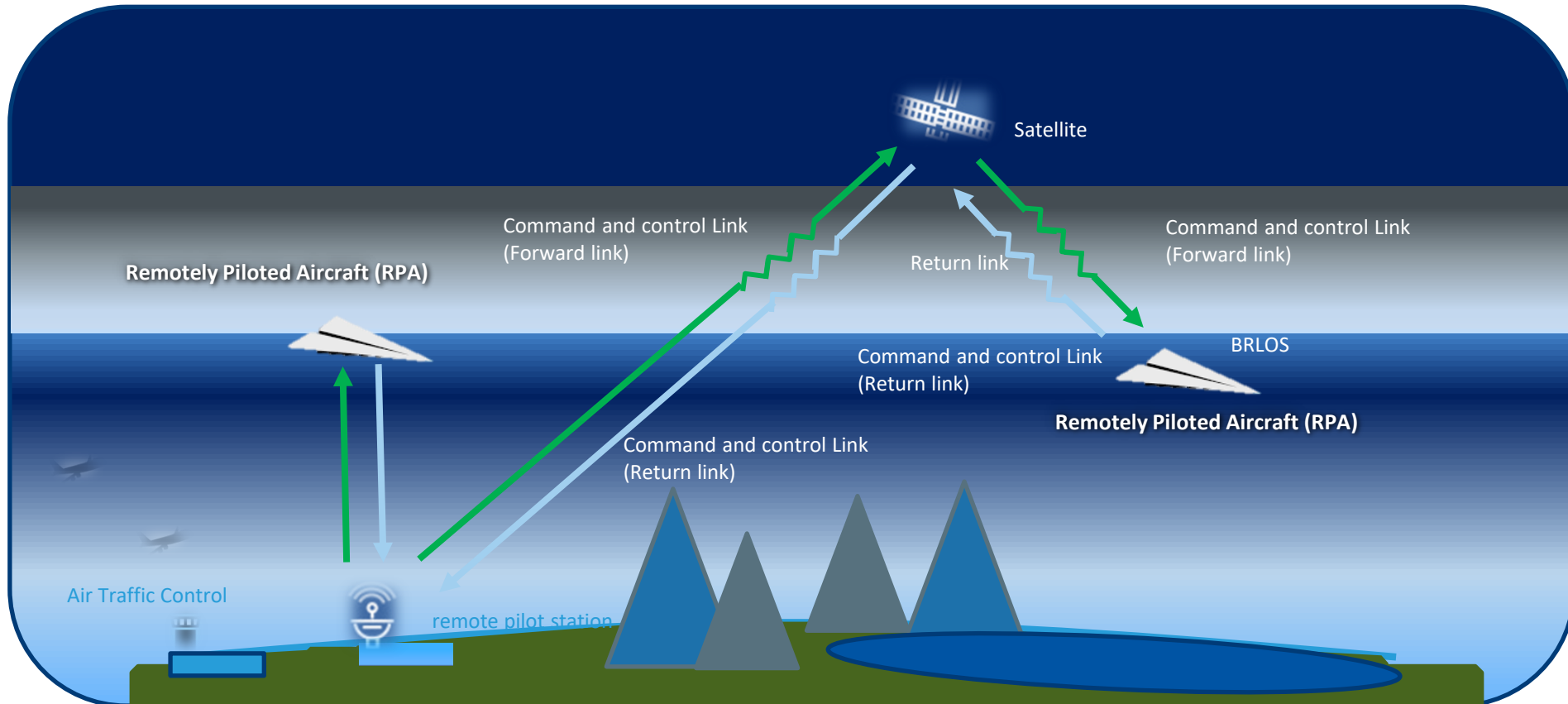
WRC-27 Agenda Item 1.19: Primary allocations to the EESS passive in the bands 4200-4400





WRC-27

WRC-27 Agenda Item 9.1: Urgent action by Study groups in prep for the next WRC beyond-line-of-sight C2-link for RPAS



FREQUENCY SPECTRUM MANAGEMENT

42nd ICAO Assembly (A42) (23 Sep to 03 Oct 2025)

255 WPs* were addressed by the Technical Commission of the A42. As a result, the Assembly adopted following six Assembly Resolutions, which were discussed and recommended by the Technical Commission.

Resolution A42-6: ICAO global planning for safety and air navigation

Resolution A42-9: Consolidated statement of continuing ICAO policies and associated practices related specifically to air navigation

Resolution A42-7: Support of the ICAO policy on radio frequency spectrum matters

Resolution A42-8: Consolidated statement of continuing ICAO policies and practices related to a global air traffic management (ATM) system and communications, navigation, and surveillance/air traffic management (CNS/ATM) systems

Resolution A42-10: Regional cooperation and assistance to resolve safety deficiencies

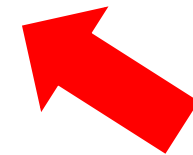
Resolution A42-11: Halon replacement

* A total of 706 working papers were discussed at A42

FREQUENCY SPECTRUM MANAGEMENT

Assembly Resolution A42-7

1. Encourages Member States to foster an environment that enables national radio regulatory authorities to work in close coordination with civil aviation authorities, thereby ensuring that aviation interests are properly reflected in national spectrum policies and State positions in preparation for and during ITU WRCs;



**Newly added
by A42**

FREQUENCY SPECTRUM MANAGEMENT

Assembly Resolution A42-7

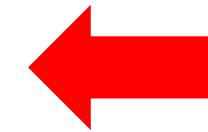
2. Urges Member States, international organizations and other civil aviation stakeholders to support firmly the ICAO frequency spectrum strategy and the ICAO position at WRCs and in regional and other international activities conducted in preparation for WRCs, including by the following means:

BE RESPONSIBLE	working together to deliver spectrum-efficient aeronautical systems as well as frequency management that meet current best practices
BE ACCOUNTABLE	supporting ICAO activities relating to the aviation frequency spectrum strategy and policy through relevant expert group meetings and regional planning groups
ADOPT A COMMON AVIATION POSITION	undertaking to provide for aviation interests to be fully integrated in the development of their positions presented to regional telecommunications fora involved in the preparation of joint proposals to the WRC including in their proposals to the WRC, to the extent possible, material consistent with the ICAO position
SUPPORT	supporting the ICAO position and the ICAO policy statements at ITU WRCs as approved by Council and incorporated in the Handbook on Radio Frequency Spectrum Requirements for Civil Aviation (Doc 9718)
PARTICIPATE	undertaking to provide civil aviation experts to fully participate in the development of States' and regional positions and development of aviation interests at the ITU
REPRESENT AVIATION INTERESTS	ensuring, to the maximum extent possible, that their delegations to regional conferences, ITU study groups and WRCs include experts from their civil aviation authorities and other civil aviation stakeholders who are fully prepared to represent aviation interests

FREQUENCY SPECTRUM MANAGEMENT

Assembly Resolution A41-7

3. *Urges Member States to actively engage with their radio regulatory authorities in order to incorporate aviation interests with other national interests*, especially in preparation for and during ITU WRCs;



**Newly added
by A42**

4. *Urges Member States to consider, as a priority, **public and aviation safety** when deciding how to enable new or additional services, and to consult with aviation safety regulators, subject matter experts and airspace users, **to provide all necessary considerations and to establish regulatory measures to ensure that incumbent aviation systems and services are free from harmful interference:***

5. *Requests the Secretary General to bring to the attention of ITU the importance of adequate radio frequency spectrum allocation and protection for the safety of aviation; and*

6. *Instructs the Council and the Secretary General, as a matter of high priority within the budget adopted by the Assembly, to ensure that the resources necessary to support the development and implementation of a comprehensive aviation frequency spectrum strategy, as well as increased participation by ICAO in international and regional spectrum management activities are made available*

Upcoming PfAs/deliverable from FSMP

Under publication process (Q2 2026)

- **Amendment to Volume I (Spectrum Strategy) of Doc 9718, Handbook on Radio Frequency Spectrum Requirements for Civil Aviation**

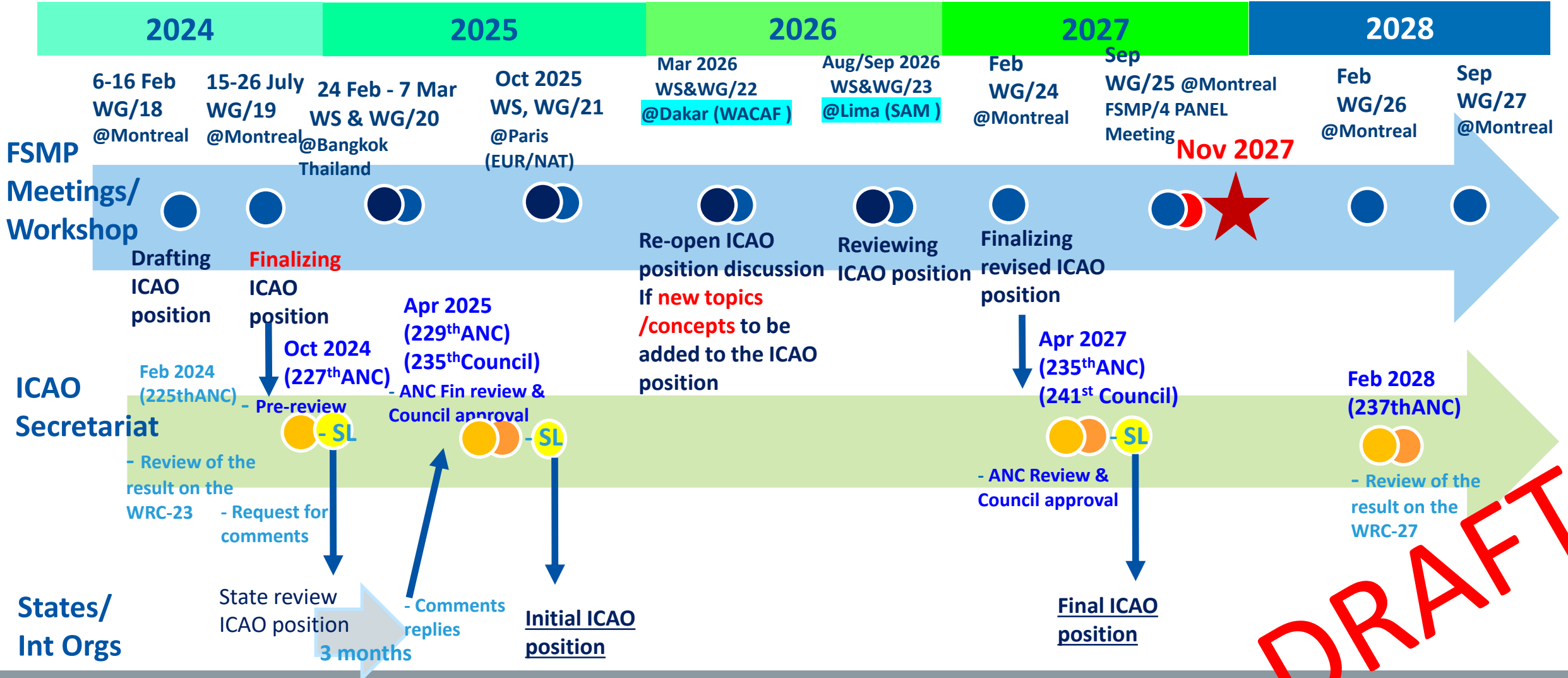
This amendment includes several updates, notably enhancements to the detailed spectrum strategy and the incorporation of ICAO's position for WRC-27.

Upcoming PfAs/deliverable from FSMP

- ICAO Position for ITU WRC-27
- Space-based VHF SARPs
- Radio altimeter SARPs



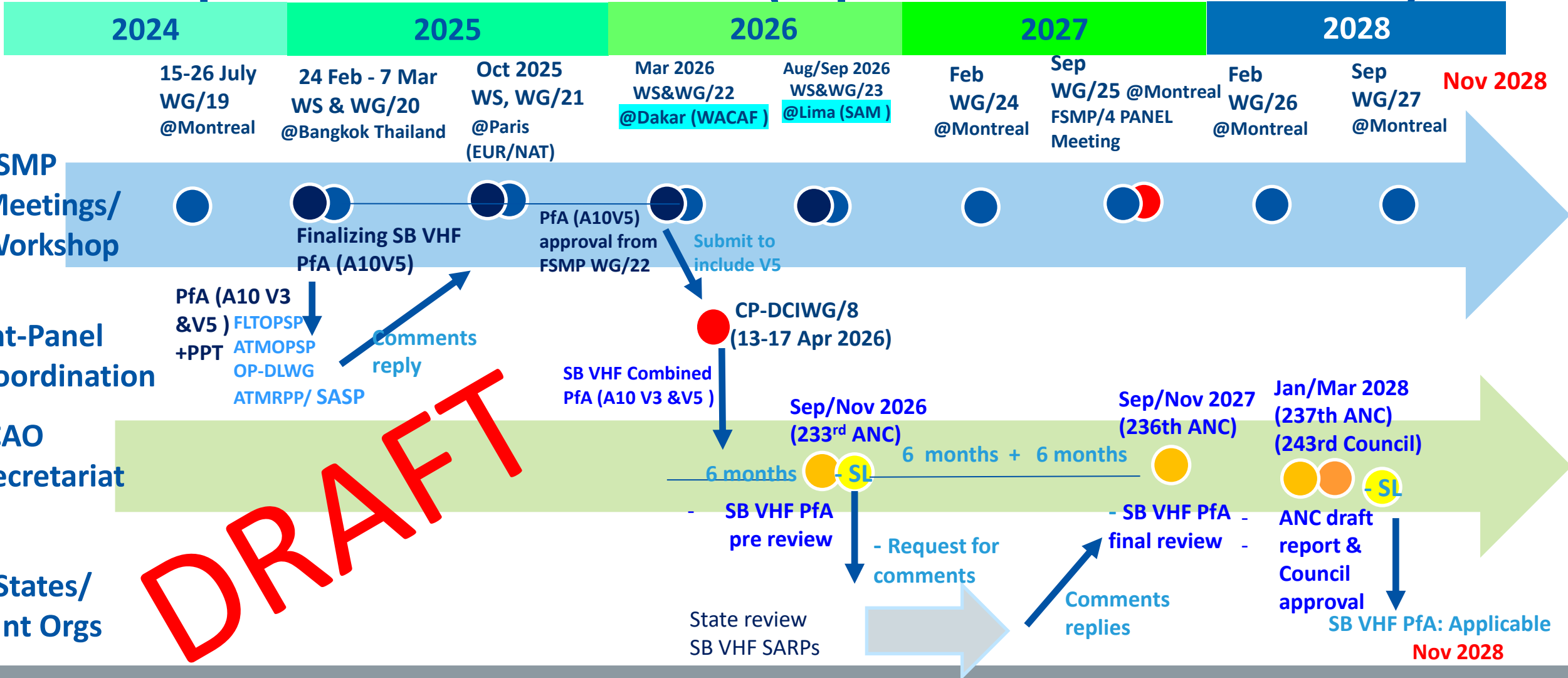
Development of ICAO position for WRC-27



DRAFT



Space based VHF SARPs (separated from RA SARPs)

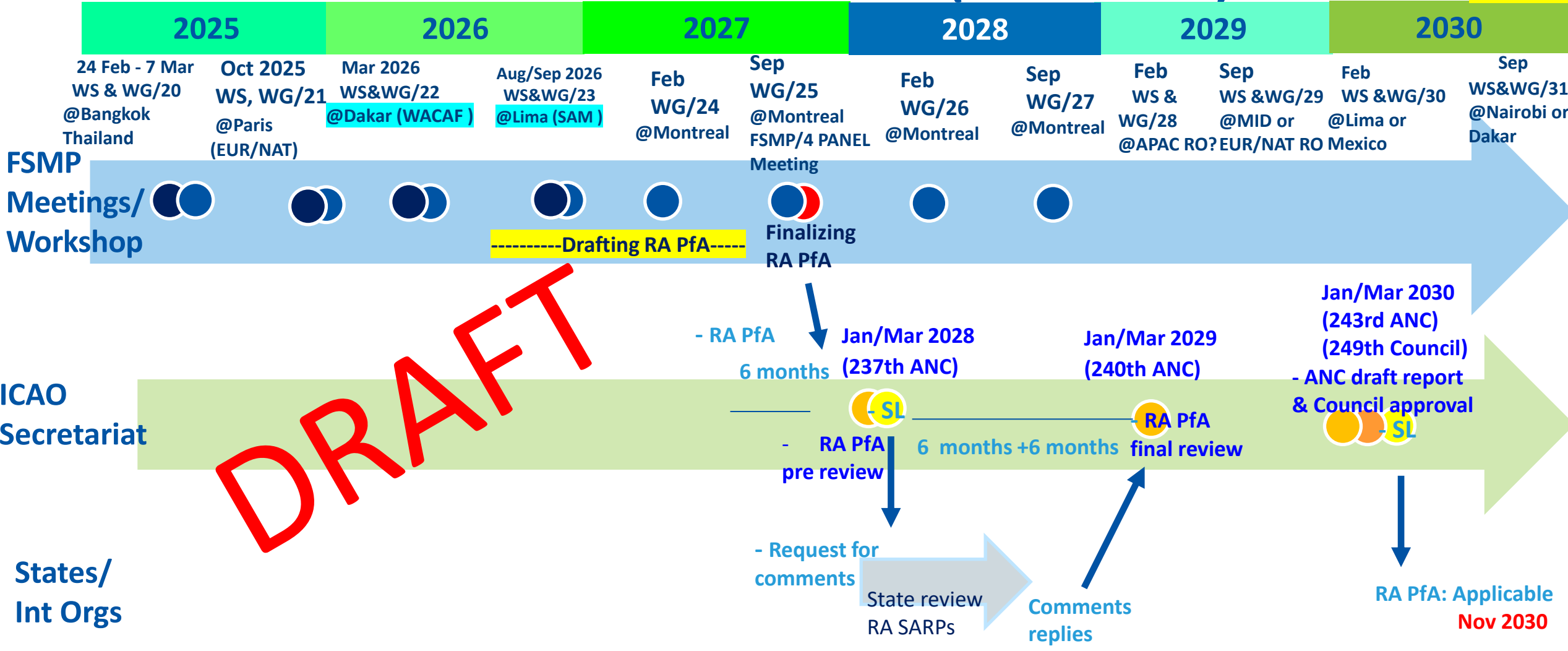


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Radio Altimeter SARPs (Scenario 1)

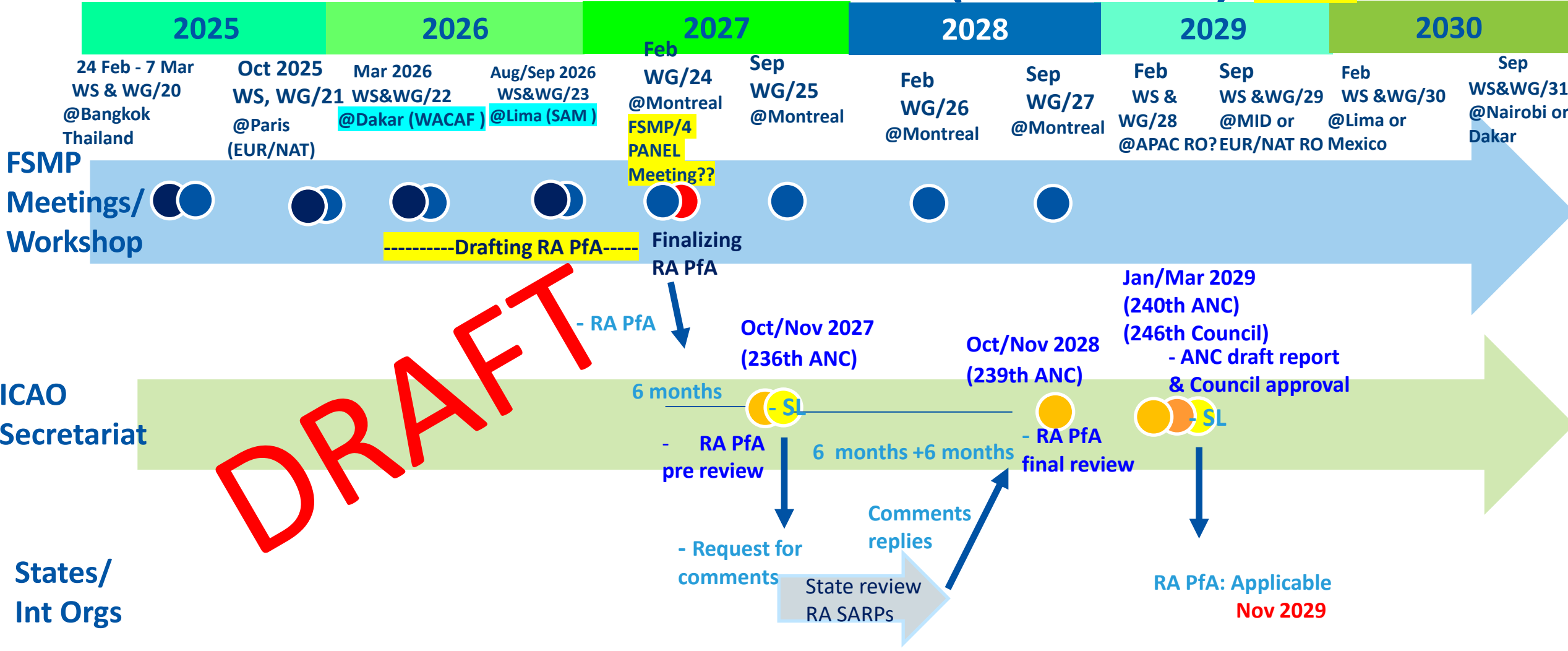
Nov 2030





Radio Altimeter SARPs (Scenario 2)

Nov 2029





Thank You