

Received: 22 January 2026

Subject: Liaison Statement to 3GPP

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English only

GENERAL ASPECTS

IAFI¹

PROPOSED REVISION TO THE WORKING DOCUMENT ON THE UPDATE OF REPORT ITU-R M.2291-2 AND DRAFT LIAISON STATEMENT TO 3GPP

Introduction

During the 49th meeting of Working Party (WP) 5D, IAFI proposed revision to Report ITU-R M.2291-2 (last updated in September 2021) to reflect significant 3GPP advancements in Mission-Critical services, including MCPTT, MCVideo, and MCData. This proposal was accepted, and a Working Document (Annex 3.4 to the 49th WP 5D Chair's Report) was established.

At the 50th meeting, IAFI submitted further updates (Document [5D/910](#)) to ensure the Working Document accurately represents current IMT (International Mobile Telecommunications) capabilities for Public Protection and Disaster Relief (PPDR).

While IAFI previously proposed a Liaison Statement (LS) to 3GPP to request updated technical information, the LS was not finalized due to time constraints. In the intervening period, 3GPP has finalized Release 18, which introduces several pivotal enhancements for the PPDR community.

- i. Sub-5 MHz Bandwidth Support - Introduction of NR (New Radio) support for bandwidths below 5 MHz (e.g., 1.4 MHz and 3 MHz).
- ii. Off-Network & Sidelink Enhancements - Improvements to ProSe (Proximity-based Services) and UE-to-Network Relays, enabling direct device-to-device communication and coverage extension in "dead zones" (e.g., basements or remote areas).
- ii. 5G Timing Resiliency - New mechanisms to maintain network synchronization if primary GNSS/GPS signals are lost or interfered with, ensuring mission-critical stability.
- iv. Non-Terrestrial Networks (NTN) Phase 2 - Enhanced satellite integration to provide ubiquitous coverage during terrestrial network failures.
- v. Operational Features - Inclusion of Discreet Listening & Logging for authorized supervision and improved privacy via Temporary User Identities.

Given these developments, the draft Liaison Statement must be updated to specifically request information on these Release 18 capabilities to ensure a updated revision of Report ITU-R M.2291-2.

¹ IAFI is a sector Member of ITU-R. For more details, please see <https://iafi.in>

Proposal

IAFI proposes that WP 5D approves the updated Liaison Statement (Attachment I) to 3GPP, requesting the latest technical specifications regarding Sub-5 MHz support, Sidelink enhancements, and Timing Resiliency.

Attachment: 1

ATTACHMENT

Working Party -5D

DRAFT LIAISON STATEMENT TO 3GPP

(Copy for information to ITU-R WP 5A)

ITU-R Working Party 5D (WP 5D) expresses its appreciation to 3GPP for the previous contributions to Report ITU-R M.2291-2, specifically the data provided in Tables 2, 3, and 4. These tables are essential for mapping 3GPP Release features to the PPDR requirements established in Report ITU-R M.2377.

Working Party 5D has commenced work on the next revision of Report ITU-R M.2291. Since the last update, WP 5D notes the finalization of 3GPP Release 18, which introduces critical enhancements for PPDR, including:

- 1) NR support for bandwidths below 5 MHz.
- 2) Advanced Sidelink and Relay capabilities (ProSe).
- 3) Resilient timing and synchronization features.
- 4) Phase 2 enhancements for Non-Terrestrial Networks (NTN).

Working Party 5D requests 3GPP to provide updated technical information for Tables 2, 3, and 4 of Report ITU-R M.2291-2 to reflect these advancements. This will ensure that the revised Report accurately captures the state-of-the-art in IMT broadband capabilities for disaster relief. The next meeting of WP 5D (52nd meeting) is scheduled to be held from 27 May to 05 June, 2026.

Status: For action.

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