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| **World Radiocommunication Conference (WRC-19) Sharm el-Sheikh, Egypt, 28 October – 22 November 2019** |  |
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| PLENARY MEETING | **Addendum 12 to Document 47-E** |
|  | **8 October 2019** |
|  | **Original: English** |
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| Australia | |
| proposals for the work of the conference | |
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| Agenda item 1.12 | |

1.12 to consider possible global or regional harmonized frequency bands, to the maximum extent possible, for the implementation of evolving Intelligent Transport Systems (ITS) under existing mobile-service allocations, in accordance with Resolution **237 (WRC-15)**;

# 1 Introduction

Throughout the WRC-19 study cycle, ITU-R Working Party 5A (WP 5A) has developed several ITU-R Reports and Recommendations to support of this agenda item, including:

• [Recommendation ITU‑R M.2121](https://www.itu.int/dms_pubrec/itu-r/rec/m/R-REC-M.2121-0-201901-I!!PDF-E.pdf) – *Harmonization of frequency bands for Intelligent Transport Systems in the mobile service* – to provide guidance and encourage administrations to use the harmonised frequency bands contained within its Annex, for ITS applications pertaining to the exchange of information to improve traffic management and to assist safe driving; and

• [Report ITU M.2445](https://www.itu.int/dms_pub/itu-r/opb/rep/R-REP-M.2445-2018-PDF-E.pdf) – *Intelligent transport systems (ITS) usage –* identifies current and planned usage of ITS technologies, frequency bands, status of standardisation, applications and deployments, for ITS applications such as vehicle-to-infrastructure, vehicle-to-vehicle, vehicle-to-pedestrian communications for traffic safety related and traffic efficiency applications, as well as electronic tolling systems and automotive radars for collision avoidance. This Report indicates that the frequency band 5 850-5 925 MHz, or parts thereof, has been widely designated for the implementation of evolving ITS by many administrations across all three Regions.

The Conference Preparatory Meeting (CPM) Report to WRC-19 presents three methods to satisfy this agenda Item:

• Method A: No change to the Radio Regulations;

• Method B: No change to the Table of Frequency Allocations in the Radio Regulations, and add a new WRC Resolution to encourage administrations to use the specified globally and regionally harmonised frequency bands for ITS applications. Other harmonized frequency band(s) for evolving ITS applications refer to the most recent version of Recommendation ITU‑R M.2121; and

• Method C: No change to the Table of Frequency Allocations in the Radio Regulations, and add a new WRC Resolution to encourage administrations to use globally and regionally harmonized frequency bands for evolving ITS applications by referring to the most recent version of Recommendation ITU-R M.2121.

Under all Methods Resolution **237 (WRC-15)** is to be suppressed.

Australia’s view is that harmonization of radiocommunication applications should not be a mandatory requirement via the Radio Regulations, and should not be specified in an ITU-R Resolution. Spectrum harmonisation is best achieved by development of ITU-R Recommendations, supported by relevant new and/or revised ITU-R Reports. This provides flexibility required for evolving ITS applications.

Additionally, the selection of preferred ITS technology is solely a matter for national administrations, and is beyond the scope of Resolution **237 (WRC-15)**. It should not be addressed in any potential ITU-R Resolution or Recommendation.

# 2 Proposals

Australia proposes no regulatory change for this agenda item, as follows:

NOC AUS/47A12/1

ARTICLES

**Reasons:** No change to ARTICLES within Volume 1 of the Radio Regulations is appropriate or necessary to satisfy this agenda item.

NOC AUS/47A12/2

APPENDICES

**Reasons:** No change to APPENDICES within Volume 2 of the Radio Regulations is appropriate or necessary to satisfy this agenda item.

SUP AUS/47A12/3

RESOLUTION 237 (WRC-15)

Intelligent Transport Systems applications

**Reasons:** No longer required post WRC-19.

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