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| **World Radiocommunication Conference (WRC-15) Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
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| COMMITTEE 5 | **Revision 1 to Document 134-E** |
|  | **6 November 2015** |
|  | **Original: English** |
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| Italy/Latvia (Republic of)/Netherlands (Kingdom of the)/United Kingdom of Great Britain and Northern Ireland | |
| Proposals for the work of the conference | |
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| Agenda item 1.8 | |

1.8 to review the provisions relating to earth stations located on board vessels (ESVs), based on studies conducted in accordance with Resolution **909 (WRC‑12)**;

Introduction

WRC-03 agreed Resolution 902 (WRC-03) for the use of ESVs in the 5 925-6 425 MHz and 14‑14.5 GHz bands which includes provisions to protect terrestrial services in the same bands. WRC‑12 established agenda item 1.8 with a view to determine whether the provisions of Resolution 902 (WRC-03) could possibly be reviewed based on up to date information on ESV technologies and technical characteristics taking into account current and future requirements of other existing services in these bands.

Discussion and Proposals

These administrations have reviewed the studies carried out within ITU-R under this agenda item as summarised in the CPM Report to WRC-15. As noted in the CPM Report to WRC-15 and by ITU‑R Working Parties 4A and 5C where the technical studies were considered, there remain a number of open issues which have not been addressed; in particular under Methods C & D of the CPM Report to WRC-15. These include protection of the terrestrial services on offshore platforms (e.g. oil and gas platforms several 100 km out at sea) and how a proposed new approach of multiple minimum distances from the low-water mark could be implemented and enforced in practice.

These administrations further note that the proposed changes under Methods C & D of the CPM Report to WRC-15 (i.e. reduced protection distances referenced from the low-water mark), would greatly increase the potential risk of harmful interference to terrestrial services on offshore platforms, which are not taken into account under these two methods. Under these methods ESVs would be permitted to come very close to the terrestrial stations on offshore platforms without any suitable regulation and under these circumstances high levels of harmful interference may be experienced by terrestrial services.

Given that the above matters have not been adequately addressed, these administrations propose that no changes are made to Resolution 902 (WRC-03) and Resolution 909 (WRC-12) is supressed.

Proposals

NOC I/LVA/HOL/G/134/1

RESOLUTION 902 (WRC-03)

Provisions relating to earth stations located on board vessels which operate in fixed-satellite service networks in the uplink bands   
5 925-6 425 MHz and 14-14.5 GHz

**Reasons:** The reduction of the protection distance between the ESVs and low water mark is likely to adversely impact the deployment of terrestrial fixed and mobile services.

SUP I/LVA/HOL/G/134/2

RESOLUTION 909 (WRC‑12)

Provisions relating to earth stations located on board vessels   
which operate in fixed-satellite service networks in the   
uplink bands 5 925-6 425 MHz and 14-14.5 GHz

**Reasons:** Resolution 909 (WRC-12) is no longer required.

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