

United States of America

DRAFT PROPOSAL FOR THE WORK OF THE CONFERENCE

Agenda Item 1.16: To consider the regulatory and operational provisions for Maritime Mobile Service Identities (MMSIs) for equipment other than shipborne mobile equipment, taking into account Resolutions **344 (Rev.WRC-03)** and **353 (WRC-03)**.

Background Information: WRC-03 identified a need to assign Maritime Mobile Service Identities (MMSIs) to Search and Rescue (SAR) aircraft stations and aids to navigation. The assignment of MMSIs to Search and Rescue (SAR) aircraft stations, Aids to Navigation (AtoN) and other stations is proposed to improve maritime safety and enhancement maritime navigation systems.

SAR aircraft require MMSIs for use with Digital Selective Calling (DSC) to enable effective communications with GMDSS equipped ships during emergency communications. Further, MMSIs are used with Automatic Identification System (AIS) equipment on-board SAR aircraft for applications relating to safety and security in the maritime mobile service. In respect to AtoN, the assignment of MMSIs will permit the introduction of AIS technologies for these systems to increase maritime navigation safety. In the course of ITU-R Working Party 8B studies, an additional need was identified for unique MMSI assignments to crafts associated with another vessel.

Currently, Article **19** of the Radio Regulations contains regulatory provisions for the assignment of MMSIs only to ship and coast stations and Recommendation ITU-R M.585-3 provides additional guidance relating to the assignment and use of these identities only for ships. Revisions to both Article **19** and Recommendation ITU-R M.585-3 are required to introduce provisions for MMSI assignments to SAR aircraft, aids to navigation, and crafts associated with a parent vessel. An updated Recommendation ITU-R M.585-4 should be published and available before the convening of WRC-07.

Efficiencies would be gained by placing the procedural provisions for MMSI assignments only within Recommendation ITU-R M.585 and incorporating this recommendation by reference into Article **19** in accordance with Resolutions **27** and **28**. This method avoids the need to maintain two separate and differing MMSI procedures, one in Article **19** and another in Recommendation ITU-R M.585, as advances in maritime technology inevitably requires updates to MMSI procedures. It also avoids the need to repeatedly place this matter on the agenda of future WRCs. Finally, it will help ensure an adequate number of maritime identification digits (MIDS) are available to all administrations needs in the future.

Proposals:

USA/ / 1 NOC

RESOLUTION 344 (REV.WRC-03)

**Management of the maritime mobile service identity
numbering resource**

Reasons: Director of the Radio Bureau needs to continue to manage the allotment and distribution of the MID resources within the MMSI numbering format, taking into account Article **19** and ITU-R M.585.

USA/ / 2 SUP

RESOLUTION 353 (WRC-03)

**Maritime mobile service identities for equipment
other than shipborne mobile equipment**

Reasons: ITU-R M.585-4, the relevant recommendation, has been revised by ITU-R SG-8 to address the expanded use of MMSI for equipment other than shipborne mobile equipment (i.e. SAR aircraft).

ARTICLE 19

Identification of stations

USA/ / 3 MOD

Section II – Allocation of international series and assignment of call signs

19.30 2) As the need arises, ship stations and ship earth stations to which the provisions of Chapter IX apply, and coast stations, ~~or~~ coast earth stations, or other stations capable of communicating with such ship stations, shall have assigned to them maritime mobile service identities in accordance with Section VI of this Article.

Reasons: Extends provisions for MMSI assignments to other non-shipborne stations (e.g. search and rescue aircraft, aids to navigation, and crafts associated with a parent vessel). The types of non-shipborne stations are not specified in order to allow for future additional MMSI requirements without the need for revisions to Article **19**.

USA/ / 4 MOD

Section VI – Maritime mobile service identities ~~in the maritime mobile service and the maritime mobile-satellite service~~

Reasons: Disassociates the assignment of MMSIs to only those stations specified in the definitions for the maritime mobile service and the maritime mobile satellite service.

USA/ / 5 MOD

19.99 § 39 When a station⁵ operating in the maritime mobile service or the maritime mobile-satellite service is required to use maritime mobile service identities, the responsible administration shall assign the identity to the station in accordance with the provisions described in ~~Nos. 19.100 to 19.126~~ Recommendation ITU-R M.585-[4]; in so doing, it should take into account ~~the any other relevant~~ ITU-R and ITU-T Recommendations. In accordance with No. **20.16**, administrations shall notify the Bureau immediately when assigning maritime mobile service identities

Reasons: Extends the requirement to use MMSIs to stations other than only those specified in the definitions for the maritime mobile service and the maritime mobile-satellite service (e.g. search and rescue aircraft, aids to navigation, and crafts associated with a parent vessel) and incorporates by reference the provisions describing the assignment of MMSIs in an approved revision of Recommendation ITU-R M.585.

USA/ / 6 MOD

19.100 § 40 1) Maritime mobile service identities are formed of a series of nine digits which are transmitted over the radio path in order to uniquely identify ship stations, ship earth stations, coast stations, coast earth stations, ~~and group calls,~~ and other stations operating in the maritime mobile service or the maritime mobile-satellite service.

Reasons: Expands the description of MMSIs to include other non-shipborne stations (e.g. search and rescue aircraft, aids to navigation, and crafts associated with a parent vessel). The types of non-shipborne stations are not specified in order to allow for future additional MMSI requirements without the need for revisions to Article **19**.

USA/ / 7 MOD

19.102 3) ~~There are four kinds~~ types of maritime mobile service identities are described in Recommendation ITU-R M.585-[4].÷

Reasons: Correcting the reference document.

⁵ **19.99.1** In this Section a reference to a ship station or a coast station may include the respective earth stations.

USA/ / 8 SUP

19.103 to 19.107

Reasons: Amendments remove the specific MMSI types from Article 19 and incorporates by reference the provisions describing the types of MMSIs in an approved revision of Recommendation ITU-R M.585.

USA/ / 9 MOD

19.108A § 41 The maritime identification digits $M_1I_2D_3$ are an integral part of the maritime mobile service identity and denote the geographical area of the administration responsible for the station so identified (~~see Nos. 19.102 to 19.106~~). (WRC-03)

Reasons: Consequential change resulting from the modification of provision 19.102 and the suppression of provisions 19.103 to 19.106.

USA/ / 10 MOD

19.110 C – ~~Ship station identities~~ Maritime Mobile Service Identities (MMSIs)

Reasons: Consequential change resulting from the modification of provisions 19.111 to 19.114 and the suppression of provisions 19.117 to 19.126. Section is modified to address MMSI regulatory provisions in general since the procedural provisions for specific MMSI assignments (e.g. ship station identities, group ship station call identities, coast station identities, and group coast station call identities) are proposed to be transferred into and incorporated by reference in an approved revision of Recommendation ITU-R M.585.

USA/ / 11 MOD

19.111 § 43 1) Administrations ~~—should~~ shall follow the provisions contained in Recommendation ITU-R M.585-[4] concerning the assignment and use of maritime mobile service identities.

Reasons: Incorporates by reference the provisions prescribing the assignment of MMSIs in an approved revision of Recommendation ITU-R M.585.

USA/ / 12 MOD

19.112 ~~2) Administrations should: *a)* follow the guidelines contained in the most recent version of Recommendation ITU-R M.585 concerning the assignment and use of ship station identities; (WRC-03)~~

19.113 *ba)* make optimum use of the possibilities of forming identities from the single MID allocated to them;

19.114 *eb)* take particular care in assigning ship station identities with six significant digits (i.e. having three-trailing-zero identities), which should be assigned only to ship stations which can reasonably be expected to require such an identity for automatic access on a worldwide basis to public switched networks, in particular for mobile-satellite systems accepted for use in the GMDSS on or before 1 February 2002, as long as those systems maintain the MMSI as part of their numbering scheme. (WRC-03)

Reasons: Amendments are consequential changes resulting from the modification of provision **19.111**.

USA/ / 13 SUP

19.117 to 19.126

Reasons: Removes provisions specifying formats for ship station, group ship station call, coast station, group coast station call identities which are no longer required since these provisions are proposed to be incorporated by reference through revisions to provisions **19.99**, **19.102**, and **19.111**.
