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| **World Radiocommunication Conference (WRC-15) Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
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| PLENARY MEETING | **Addendum 5 to Document 61(Add.21)-E** |
|  | **14 October 2015** |
|  | **Original: English** |
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| Iran (Islamic Republic of) | |
| Proposals for the work of the conference | |
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| Agenda item 7(E) | |

7 to consider possible changes, and other options, in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference, an advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks, in accordance with Resolution **86 (Rev.WRC‑07)** to facilitate rational, efficient, and economical use of radio frequencies and any associated orbits, including the geostationary‑satellite orbit;

7(E) Issue E – Failure of a satellite during the ninety-day bringing into use period

Introduction

WRC-12 introduced the additional provisions No. 11.44.2 and No. 11.44B in the RR in order to better define the bringing into use of a frequency assignment to a space station in the geostationary‑satellite orbit. According to RR No. 11.44B, “A frequency assignment to a space station in the geostationary-satellite orbit shall be considered as having been brought into use when a space station in the geostationary-satellite orbit with the capability of transmitting or receiving that frequency assignment has been deployed and maintained at the notified orbital position for a continuous period of ninety days.…”.

However, the current provisions regarding the bringing into use (BIU) do not address a possible scenario of a satellite failure during the bringing into use period. Because of this fact, consideration was given as to how this issue could be addressed.

Proposals

ARTICLE 11

Notification and recording of frequency   
assignments1, 2, 3, 4, 5, 6, 7, 7*bis*    (WRC‑12)

Section II − Examination of notices and recording of frequency assignments   
in the Master Register

MOD IRN/61A21A5/1

11.44 The notified date20, 21 of bringing into use of any frequency assignment to a space station of a satellite network shall be not later than seven years following the date of receipt by the Bureau of the relevant complete information under No. 9.1 or 9.2, as appropriate. Any frequency assignment not brought into use within the required periodADD 21*bis* shall be cancelled by the Bureau after having informed the administration at least three months before the expiry of this period.     (WRC‑15)

**Reasons:** In Method E4, a situation of satellite failure during the bringing into use period is considered. There are some concerns that if during this period the satellite suffers a failure on orbit then the frequency assignments of the associated network shall not be considered as brought into use and consequently it is not possible to apply RR No. 11.49 to its frequency assignments, i.e. to suspend its usage. In order to address this concern, an additional provision RR No. 11.44.3 allows to extend for 3 years the date of bringing into use from the date of the failure. In other words in applying this method the regulatory time-limit for the protection of frequency assignments could be 10 years plus 90 days without applying the suspension provision as described in RR No. 11.49.

ADD IRN/61A21A5/2

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21*bis* 11.44.3 In the case of a space station in the geostationary-satellite orbit that experienced a failure during the ninety-day bringing into use period defined in No. **11.44B** for a notified frequency assignment, the notifying administration shall so inform the Bureau as soon as possible but no later than sixty days from the date of the failure. Upon receipt of such information and accompanying request from the notifying administration, the deadline for the notified date of bringing into use of that frequency assignment may be extended after careful consideration by the RRB taking into account the relevant part of the course of action mentioned in No. **13.6** for not more than three years from the date of the failure. The Bureau shall publish the information about the extension as soon as possible on the ITU website and in the BR IFIC.     (WRC‑15)

**Reasons:** In Method E4, a situation of satellite failure during the bringing into use period is considered. There are some concerns that if during this period the satellite suffers a failure on orbit then the frequency assignments of the associated network shall not be considered as brought into use and consequently it is not possible to apply RR No. 11.49 to its frequency assignments, i.e. to suspend its usage. In order to address this concern, an additional provision RR No. 11.44.3 allows to extend for 3 years the date of bringing into use from the date of the failure. In other words in applying this method the regulatory time-limit for the protection of frequency assignments could be 10 years plus 90 days without applying the suspension provision as described in RR No. 11.49.

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