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SPECTRUM ASPECTS &
WRC-23 PREPARATIONS

ITU-APT Foundation of India (IAFI)

RECOMMENDATION ITU-R M.1036

Frequency arrangements for implementation of the terrestrial component of International Mobile Telecommunications (IMT) in the bands identified for IMT in the Radio Regulations

Introduction

Globally harmonized spectrum and harmonized frequency arrangements for IMT are desirable to reduce the overall cost of IMT networks and terminals by providing economies of scale and facilitating deployment and cross-border coordination. With identification of spectrum bands as mentioned above for IMT by many administrations, harmonized frequency plans in the current Recommendation ITU-R M.1036-6 for these bands will be very helpful for administrations to carry out spectrum planning.

Recommendation ITU R M.1036 provides alternatives frequency arrangements for deployments in various frequency bands depending on local/regional conditions in order to provide flexibility for different conditions. Access to more harmonized spectrum has a significant impact on the cost of providing mobile broadband with high-capacity bandwidth which will not only have economic benefits such as jobs and growth, but also enhances connectivity for social benefits like e-health, m-governance and e-education services. It is therefore essential that Recommendation ITU R M.1036 be kept continuously updated with the frequency arrangements in all the required bands.

Discussion

It was agreed at the 34th meeting of WP5D in February 2020 to limit the changes in Recommendation ITU-R M.1036-6 to only adding the frequency arrangements for the bands identified at WRC-19 for implementation of IMT. It was further agreed to implement purely the consequential updates to align the text with the decisions adopted at WRC-19 in Article 5 of the RR and related Resolutions, as well as reflecting Recommendation ITU-R M. [IMT-2020.SPECS].

IAFI submitted its proposal to WP 5D#37 (input contributions [5D/472](#)) and had proposed that in case an agreement on revision of draft working document on revision of ITU-R M.1036 can't be reached at WP 5D#37 meeting, then a separate recommendation on the new mm wave bands approved at the WRC-19 be developed, while leaving the existing Recommendation [ITU-R M.1036-6](#) as it was, except for any editorial changes.

While waiting for this version to be completed, there are other new bands that need to be considered for the next version. It is therefore necessary that this revision may please be completed as early as

possible so that work could be started on frequency arrangements of other frequency bands for inclusion in the next revision of Recommendation ITU-R M.1036.

Proposal

WP 5D is again urged to finalize the current updating of this recommendation in this 39th meeting of WP 5D and send it to SG 5.

However, in case an agreement on revision of draft working document on revision of ITU-R M.1036 can't be reached at WP 5D#39 meeting, then a separate recommendation on the new mm wave bands approved at the WRC-19 be developed, while leaving the existing Recommendation [ITU-R M.1036-6](#) as it was, except for any editorial changes in accordance with proposal contained in WP 5D#37 input contributions [5D/472](#) so that new frequency arrangement can be discussed within existing sections of this recommendation.
