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PLENARY

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PROPOSALS FOR STRUCTURE AND WORKING PROCESS OF WORKING PARTY 5D TOWARDS RA-27 AND WRC-27

1 Introduction

WRC-23 discussed various issues related to IMT including new possibilities of different platforms using IMT going forward. There are many new WRC-27 agenda items where IMT is a key stakeholder and Working Party (WP) 5D will be required to invest in compatibility and co-existence studies. Based on the work in WP 5D on various agenda items of WRC-23, many bands were also identified for IMT in some regions. Necessary frequency arrangements are now needed to be considered for these bands.

Working Party 5D is responsible for the overall radio system aspects of the terrestrial component of International Mobile Telecommunications (IMT) systems, comprising the IMT-2000, IMT-Advanced, IMT-2020, IMT-2030 and its future evaluations. For the last 30 years, ITU has been coordinating efforts of governments and the industry in the development of a global broadband multimedia international mobile telecommunications system, known as IMT. Since the year 2000, the world has seen the introduction of the first family of standards derived from the IMT concept: IMT-2000. There are currently several billions IMT subscribers in the world and these systems are continuing to expand and evolve. IMT provides a global platform on which to build the next generations of mobile services – fast data access, unified messaging and broadband multimedia – in the form of exciting new interactive services. The IMT-2030 framework, Resolution ITU-R 56-2 and Resolution ITU-R 65 was also adopted by the RA-23 based on the work done in WP 5D.

Thus, it is evident that on the one hand, that WP 5D has a large number of new follow-on spectrum and technical work items to be addressed from the WRC-23 conclusions and on the other hand, [Administrative Circular CAXXX](#) “*Results of the first session of the Conference Preparatory Meeting for WRC 27 (CPM27-1)*” provides the framework for many other items of spectrum related work that WP5D must undertake - focused on the WRC-27 context.

In Working Party 5D, it will be important to separate between “regular” spectrum work and the WRC-27 work for which WP 5D is the responsible group. Both these are critical responsibilities of WP 5D and need to be given due priority.

¹ ITU-APT Foundation of India ([IAFI](#)) is a sector member of ITU-R, ITU-T and ITU-D.

2 Proposal

Working Party 5D is responsible for the overall radio system aspects of the terrestrial component of International Mobile Telecommunications (IMT) systems, comprising the current IMT-2000, IMT-Advanced and IMT-2020 as well as IMT for 2030 and beyond. In order to further strengthen its activities towards the challenging tasks related to IMT-2030 as well as WRC-27 preparations, it is proposed to have a revised structure of WP 5D as summarized below and also indicated in the Attachment 1.

2.1 Scope of Regular Spectrum Work – Responsible for undertaking co-existence studies, develop spectrum plans, and channel/frequency arrangements for IMT, including spectrum sharing between IMT and other radio services/systems coordinating as appropriate with other Working Parties. The regular spectrum work is a main responsibility of WP 5D. Working Party 5D must also contribute information to other Working Parties doing studies relevant to IMT or mobile service.

2.2 Scope of WRC-27 Spectrum Work as Responsible Group – WP 5D is responsible for multiple agenda items towards WRC-27. This includes receiving and sharing parameters for studies on the AIs from the expert groups, conducting and documenting relevant sharing studies, and the preparation of CPM text. There are critical and firm deadlines that have been or will be established by CPM27 for these various tasks and WP5D and the joint/contributing groups must organize and manage the work to those deadlines.

2.3 Scope of IMT Technology Development: Responsible for all technology related aspects of IMT including work on key elements of IMT technologies including requirements, evaluation, and evolution. To develop liaison with external research and standardization forums, and to coordinate the external and internal activities related to the IMT-2030 process, including evaluation and related process will be another key work and will require dedicated efforts. Keeping the extensive and diverse work scope and load during the new work cycle, it is important to revise the current work structure which will help in proper scheduling of full WP5D meetings, possible interim focused meetings, working sessions within meetings at all levels will be required to maximize productivity.

2.4 Scope of General Aspects in continued development, implementation, and upkeep of IMT framework and structure – Responsible for continued deployment of IMT, deliverables on services, forecasts, and convergence of IMT with fixed, mobile, and non-terrestrial networks, taking account the needs of end users, and the demand for IMT applications and capabilities. This includes other general topics of IMT and overall objectives for the long-term development of IMT, keeping in view that the requirements and needs of the developing countries are reflected in the work and deliverables of WP 5D in the development of IMT as well as coordination with ITU-D Sector on deployments of IMT systems and transition to IMT system.

ATTACHMENT 1

Revised Structure of Working Party 5D

