

23rd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS (B4)
Small Satellite Operations (3)Author: Mr. Attila MATAS
International Telecommunication Union (ITU), SwitzerlandSMALL SATELLITE REGULATION - WRC-15 OUTCOME AND RESULTS OF THE ITU-R WP7B
STUDIES DURING 2012-2015 PERIOD**Abstract**

This paper will reviews the outcome of the recent World Radiocommunication Conference 2015 (WRC-15) related to small satellites. This paper will report about WRC-12 decision about small satellite studies, results of these studies by the ITU-R WP7B in 2012-2015 period and the outcome of WRC-15 with regards small satellites. • WRC-12 Resolution 757 - Regulatory aspects for nanosatellites and picosatellites to consider whether modifications to the regulatory procedures for notifying satellite networks are needed to facilitate the deployment and operation of nanosatellites and picosatellites, and to take the appropriate actions; • ITU-R WP7B studies related to small satellite systems; • ITU-R Report ITU-R SA.2312 - Characteristics, definitions and spectrum requirements of nanosatellites and picosatellites, as well as systems composed of such satellites; • ITU-R Report ITU-R SA.2348 - Current practice and procedures for notifying space networks currently applicable to nanosatellites and picosatellites; • ITU-R Small Satellite Regulation and Communication Systems symposium in Prague (2015), Declaration urging the small satellite community to comply with the applicable international and national laws, regulations and procedures, indispensable to guarantee the long-term sustainability of small satellite projects, the avoidance of harmful interference and proper management of space debris; • ITU Radiocommunication Assembly (RA) Resolution ITU-R 68 - Dissemination of knowledge concerning the small satellite applicable regulatory procedures; • WRC-15 Agenda Item 9.1.8 - Regulatory aspects for nano- and picosatellites; • WRC-15 Decision – Suppression - Resolution 757 (WRC-12); • WRC-15 New Resolution COM6/19 (WRC-15) - Studies to accommodate requirements in the space operation service for non-geostationary satellites with short duration missions to study the spectrum requirements for telemetry, tracking and command in the space operation service for the growing number of non-GSO satellites with short duration missions, taking into account that under No. 1.23 - telemetry, tracking and command functions for satellites will normally be provided within the service in which the space station is operating