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| **World Radiocommunication Conference (WRC-19) Sharm el-Sheikh, Egypt, 28 October – 22 November 2019** |  |
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| PLENARY MEETING | **Addendum 6 to Document 28(Add.21)-E** |
|  | **27 September 2019** |
|  | **Original: Chinese** |
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| China (People’s Republic of) | |
| Proposals for the work of the conference | |
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| Agenda item 9.1(9.1.6) | |

9 to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:

9.1 on the activities of the Radiocommunication Sector since WRC-15;

9.1 (9.1.6) Resolution **958 (WRC-15)** **-** Annex item 1) Studies concerning Wireless Power Transmission (WPT) for electric vehicles: a) to assess the impact of WPT for electric vehicles on radiocommunication services; b) to study suitable harmonized frequency ranges which would minimize the impact on radiocommunication services from WPT for electrical vehicles. These studies should take into account that the International Electrotechnical Commission (IEC), the International Organization for Standardization (ISO) and the Society of Automotive Engineers (SAE) are in the process of approving standards intended for global and regional harmonization of WPT technologies for electric vehicles;

# 1 Background

The 5th Meeting of the APT Conference Preparatory Group for WRC-19 was held from 30 July to 5 August 2019 in Tokyo, Japan. Based on the input contributions from APT members, the meeting developed APT Preliminary APT Common Proposals (PACPs) on WRC-19 agenda item (AI) 9.1 Issue 9.1.6, which was later approved as APT Common Proposals (ACPs).

The Conference Preparatory Meeting for WRC-19 (CPM19-2) was held from 18 to 28 February 2019 in Geneva, Switzerland. The CPM19-2 finalized the CPM text on WRC-19 AI 9.1 Issue 9.1.6 based on the input contributions.

As the responsible group for WRC-19 AI 9.1 Issue 9.1.6, ITU-R Working Party 1B (WP 1B) worked on the WRC-19 agenda item 9.1 issue 9.1.6 further at its June 2019 meeting. The New Report of ITU-R SM.[WPT\_EV\_IMPACT] on “*Assessment of impact of wireless power transmission for electric vehicle charging (WPT-EV) on radiocommunication services*” was finalized by WP 1B and published as Report ITU-R SM.2451-0.

The revision of Recommendation ITU-R SM.2110-0 on “*Guidance on frequency ranges for operation of non-beam wireless power transmission for electric vehicles*”, which included the harmonized frequency ranges for WPT-EV, was finalized by ITU-R Working Party 1A (WP 1A) at its meeting in June 2019 and was approved by ITU-R Study Group 1 (SG 1) by means of PSAA.

# 2 Views and Proposals

China is of the following views regarding AI 9.1 Issue 9.1.6:

1) There is no need to change the Radio Regulations at WRC-19.

2) All radiocommunication services must be protected from harmful interference that may be generated by WPT-EV, both at the fundamental frequency and from unwanted emissions.

3) The ITU-R studies on WPT-EV, including studies on unwanted emissions, should be continued under the most recently updated Question ITU-R 210/1.

NOC CHN/28A21A6/1

ARTICLES

**Reasons:** Since the ITU-R studies on WPT EV will be carried out under the newly updated Question ITU-R 210/1 at the end of WRC-19 and there is no need to change the Radio Regulations at WRC-19.

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