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|  | **Radiocommunication Study Groups** | |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** | |  | |
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| Source: Document 1A/TEMP/29 (edited)  Subject: Question ITU-R 210-3/1 | |  | |
| **15 June 2016** | |
| **English only** | |
| Working Party 1A | | | |
| LIAISON STATEMENT TO EXTERNAL ORGANIZATIONS And Standards development organizations[[1]](#footnote-1) (COPY TO IEC TC 69/JPT 61980, ISO TC 22 AND IEC TC 9) | | | |
| Study on Question ITU-R 210-3/1 “Wireless power transmission” | | | |

Working Party (WP) 1A thanks the External Organizations and Standards Development Organizations for information received as a result of its previous liaison statement, and updates those organizations of the status of deliverables and activities related to Question [ITU-R 210-3/1](http://www.itu.int/pub/R-QUE-SG01.210) Wireless power transmission (WPT), and invites contributions to WP 1A’s ongoing activities.

WRC-19 under the auspices of agenda item 9.1 in response to Resolution **958 (WRC-15)** "Urgent studies required in preparation for the 2019 World Radiocommunication Conference" will focus WPT studies on electric vehicles as specified in the Annex to that Resolution, and that CPM19-1 decided that the responsible group for this issue 9.1.6 was WP 1B, with WP 1A, WP 5B and WP 6A being the concerned groups, WP 1A and WP 1B have clarified a separation of work for WPT as follows:

– WP 1B will be responsible for; preparing CPM text for issue 9.1.6, undertake studies and develop a report on the impact of WPT for Electric Vehicles on other Radiocommunication Services, and may develop a Report/Recommendation for the global harmonization of spectrum for WPT for Electric Vehicles as appropriate.

– WP 1A will continue to update Report ITU-R SM.2303 – *Wireless power transmission using technologies other than radio frequency beam*, and continue to develop the draft new Recommendation ITU-R SM.[WPT], and continue to develop other ITU-R texts that are not concerned with impact studies of WPT for Electric Vehicles.

In 2015 Study Group 1 approved Revision 1 to Report [ITU-R SM.2303](http://www.itu.int/pub/R-REP-SM.2303) *Wireless power transmission using technologies other than radio frequency beam*.

Building upon the technical information contained in Report ITU-R SM.2303-1 and work undertaken by a Rapporteur Group on WPT (RG-WPT), at its June 2016 meeting WP 1A initiated a second revision to the Report and updated the preliminary draft new Recommendation ITU-R SM.[WPT]. Taking into account the views of some administrations, WP 1A preferred to delay the approval of this draft new Recommendation to the June 2017 meeting to allow additional information to be received from Standards Development Organizations regarding the frequency bands proposed, which are non ISM bands. WP 1A intends to seek the adoption and approval of the draft new Recommendation in June 2017

Furthermore, at its June 2016 meeting WP 1A approved a draft new Report ITU‑R SM. [WPT‑BEAM‑APPLICATIONS] *Applications of wireless power transmission via radio frequency beam*, and initiated consideration of a working document towards a preliminary draft new Report ITU-R SM.[WPT‑BEAM‑IMPACTS] *Impact study and human hazard issues for wireless power transmission via radio frequency beam*.

WP 1A reminds the External Organizations of the recommends section of the draft new Recommendation ITU-R SM.[WPT] ]which includes consideration of frequencies for WPT technologies, and also that administrations should take steps to ensure that radiocommunication services including the standard frequency and time signal service and the radio astronomy service are protected from WPT operations.

WP 1A also decided to continue the Rapporteur Group activity related to WPT (RG-WPT).

The Terms of Reference of the Rapporteur Group, as well as meeting’s output documents: a working document towards a preliminary draft new Report ITU-R SM.[WPT‑BEAM‑IMPACTS], a draft new Recommendation ITU-R SM.[WPT], the preliminary draft revision of Report ITU-R SM.2303-1 and a draft new Report ITU-R SM.[WPT-BEAM-APPLICATIONS] can be found respectively in Annexes 8, 6, 4 and 5 to Document [1A/60](http://www.itu.int/md/R15-WP1A-C-0060/en) (the WP 1A Chairman’s Report from the June 2016 meeting) and in Study Group 1 Document [1/25](http://www.itu.int/md/R15-SG01-C-0025/en).

Working Party 1A looks forward to cooperating with External Organizations for the study on the Question especially in relation to the impact of WPT on radiocommunication services, including the standard frequency and time signal service and the radio astronomy service so that suitable steps to ensure protection can be established.

WP 1A would appreciate your kind actions to continue to provide the following information in a timely manner to the RG-WPT as soon as the information becomes available:

– updates to information provided about applications that have been developed for WPT technologies;

– updates to information about technical radio frequency characteristics of WPT devices/systems including information especially on non-ISM bands below 300 kHz needed for studies on the impact of WPT to radiocommunication services, including the standard frequency and time signal service and the radio astronomy service;

– updates to information on WPT standardization status and reference to standards developed by SDOs.

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| **Status:** For information and action |  |
| **Contacts:** **Philippe Aubineau** | **E-mail:** [philippe.aubineau@itu.int](mailto:philippe.aubineau@itu.int) |
| (Counsellor for [ITU-R Study Group 1](http://www.itu.int/en/ITU-R/study-groups/rsg1/Pages/default.aspx)) | |
| **Alex Orange** | **E-mail:** [aorange@qti.qualcomm.com](mailto:aorange@qti.qualcomm.com) |
| (Chairman of the Working Party 1A Rapporteur Group on WPT (RG-WPT)) | |
| **Deadline:** 8 November 2016 | |

**Attachments:**

– Terms of reference (tor) for a Rapporteur Group (RG-WPT) on developing content for deliverables related to Question ITU-R 210-3/1 “Wireless Power Transmission”

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| (Annex 8 to Document [1A/60](http://www.itu.int/md/R15-WP1A-C-0060/en): |  | ) |

– Preliminary draft Revision of Report ITU-R SM.2303-1

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| (Annex 5 to Document [1A/60](http://www.itu.int/md/R15-WP1A-C-0060/en): |  | ) |

– Draft new Report ITU-R SM.[WPT-BEAM-APPLICATIONS][[2]](#footnote-2)\*

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| (Doc. [1/25(Rev.1)](http://www.itu.int/md/R15-SG01-C-0025/en)) |  |

– Working Document towards a preliminary draft new   
Report ITU-R SM.[WPT‑BEAM‑IMPACTS]

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| (Annex 6 to Document [1A/60](http://www.itu.int/md/R15-WP1A-C-0060/en): |  | ) |

– Draft new Recommendation ITU-R SM.[WPT]

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| (Annex 4 to Document [1A/60](http://www.itu.int/md/R15-WP1A-C-0060/en): |  | ) |

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1. APT, AFA (previously A4WP & PMA), ARIB, ATIS, BWF, CCSA, CEA, ETSI, IEC, IEC-CISPR, IEEE, ISACC, NFC Forum, SAE, TIA, TTA, TTC, URSI (ICWG on SPS), WPC, WIPE, and WIPOT. [↑](#footnote-ref-1)
2. \* Note by the Secretariat: This draft new Report was subsequently approved by Study Group 1 at its meeting on 10 June 2016 and will be published as Report ITU-R SM.2392-0 on the webpage: <http://www.itu.int/pub/R-REP-SM/en>. Meanwhile, see Doc. [1/25(Rev.1)](http://www.itu.int/md/R15-SG01-C-0025/en). [↑](#footnote-ref-2)