|  |  |
| --- | --- |
| U.S. Power Beaming Radiocommunications Sector  First Draft for Information Paper and/or Report and/or Fact Sheet to be Provided | |
| **Working Party:** ITU-R WP 1A | **Document No:** USWP1A23\_07\_FS |
| **Ref: Question ITU-R 210-3/1,  Recommendation ITU-R SM.2392-0 (08/2016)** | **Date:** 21 January 2021 |
| **Document Title:** Working document towards Information Paper and/or Report and/or Fact Sheet for Power Beaming (PB) Assessment, Research, Development and Demonstration Studies related to - solely within the USA borders (i.e., states/territories/etc.) - Disaster & Emergency Response and Recovery wireless power transmission (WPT). | |
| **Author(s)/Contributors(s):**  Joseph M. Rauscher, President & CEO, Spacefaring-Services.com | **Author(s)/Contributors(s):**  **Email**: spacefaring-servicescom@earthlink.net **Phone**: 202-747-4403 |
| **Purpose/Objective:** To develop one or more ITU-R Recommendations/Information Paper and/or Report and/or Fact Sheeton power beaming, including technical characteristics and frequency ranges related to: Assessment, Research, Development and Demonstration Studies related to - solely within the USA borders (i.e., states/territories/etc.) - Disaster & Emergency Response and Recovery wireless power transmission (WPT). | |
| **Abstract:** The contribution will propose:   * New, or updated or adjuncts to ITU-R issuance(s) including SM.2392-0 (08/2016) (i.e., ID c2, Applications: Point-to-Point WPT) to include additional recommended ISM band frequency ranges for Power Beaming (long distance wireless power transfer, distinct from short range inductive and capacitive means) applications related to - solely within the USA borders (i.e., states/territories/etc.) - Disaster & Emergency Response and Recovery wireless power transmission (WPT). They will incorporate assessments of RF technology and interference, as well as scheduling and socio-economic issues. * **Development of innovative technical, scheduling and socio-economic ITU-R Recommendations/Papers/Reports/Fact Sheets to accelerate:**  1. Increased awareness and participation in the ITU‐R Study Groups by Power Beaming stakeholders. 2. Consensus building among Power Beaming USA stakeholders on next steps, perhaps to include:    1. Cooperation and collaboration within and outside Power Beaming community.    2. Agreement on organizations that will coordinate and guide next steps assignments.    3. Revising existing and/or developing new USA directives, policies, regulations, etc.    4. Economic stimulus (e.g., job creation) during disaster, emergency response and recovery periods, and even during normal conditions. 3. Identifying Power Beaming applications for consideration such as emergency energy response related to - solely within the USA borders (i.e., states/territories/etc.) - Disaster & Emergency Response and Recovery wireless power transmission (WPT) (e.g., natural disasters, refugee support, conflicts, etc.). 4. Launch of a USA consortium Power Beaming demonstration/pilot project related to - solely within the USA borders (i.e., states/territories/etc.) - Disaster & Emergency Response and Recovery wireless power transmission (WPT). This is proposed in the ‘near future’ under organization(s) coordinating and guiding next steps. | |