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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 1 to Document 10(Add.14)-E** |
|  | **9 October 2019** |
|  | **Original: English** |
|  | |
| United States of America | |
| Proposals for the work of the conference | |
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| Agenda item 1.14 | |

1.14 to consider, on the basis of ITU-R studies in accordance with Resolution **160 (WRC‑15)**, appropriate regulatory actions for high-altitude platform stations (HAPS), within existing fixed-service allocations;

Background

Agenda item 1.14 was adopted by WRC-15 to consider, in accordance with Resolution **160** **(WRC‑15)**, regulatory actions that can facilitate deployment of HAPS for broadband applications. Resolution **160 (WRC-15)** resolves to invite ITU-R to study additional spectrum needs of HAPS, examining the suitability of existing HAPS identifications and conducting sharing and compatibility studies for additional identifications in existing fixed allocations in the 38-39.5 GHz band on a global basis and in 21.4-22 GHz and 24.25-27.5 GHz bands in Region 2.

Currently, there are 3 spectrum bands identified for HAPS in the fixed services. These are:

– 47.2-47.5 GHz and 47.9-48.2 GHz,

– 27.9-28.2 GHz (HAPS-ground) and 31.0-31.3 GHz (ground-HAPS),

– 6 440-6 520 MHz (HAPS-ground) and 6 560-6 640 MHz (ground-HAPS).

While the use of the bands 6 440–6 520 MHz (HAPS-ground) and 6 560-6 640 MHz (ground-HAPS) are permitted in a number of countries via footnote No. **5.457**, none of these countries are within Region 2. Based on the results of ITU-R studies and current and planned use of these bands by the existing services, the current identification and associated Resolution **150** should not be changed. Any administration wishing to join footnote No. **5.547** should comply with the listed regulatory measures for HAPS gateway links, including not causing harmful interference to, and shall not claim protection from, existing services, and shall be in accordance with Resolution **150 (WRC-12)**. It should be noted that the spectrum needs for the use of HAPS in Region 2, and globally, can be fulfilled by the identifications in other existing and potential candidate bands under WRC-19 agenda item 1.14.

NOC USA/10A14A1/1#49728

ARTICLE 5

Frequency allocations

**Reasons:** To maintain the existing identification for HAPS without modifications to ensure protection of current and planned use of existing services.

NOC USA/10A14A1/2#49729

RESOLUTION 150 (WRC‑12)

Use of the bands 6 440-6 520 MHz and 6 560-6 640 MHz by gateway links   
for high-altitude platform stations in the fixed service

**Reasons:** To maintain the existing regulatory provisions for HAPS operations in those countries identified in the Radio Regulations.

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