

United States of America

DRAFT PROPOSAL FOR THE WORK OF THE CONFERENCE

Agenda Item 1.5: to consider spectrum requirements and possible additional spectrum allocations for aeronautical telecommand and high bit-rate aeronautical telemetry, in accordance with Resolution **230 (WRC-03)**;

Background Information:

1. During the meeting of ITU-R Working Party 8B held in September 2004, one Administration presented a paper (Document 8B/30) which proposed the adoption of definitions for the terms “aeronautical telemetry,” and “aeronautical telecommand.” WP8B square-bracketed the definitions in the CPM text and agreed to carry the matter forward for resolution at the next meeting. See Chairman’s Report of the 15th Meeting of Working Party 8B, Document 8B/98, Annex 6.

The United States believes definitions in Article 1 of aeronautical telemetry and aeronautical telecommand are unnecessary. Aeronautical mobile telemetry (AMT) has been treated successfully in the ITU. The effort to agree Article 1 definitions would complicate the work of the WRC. The United States also believes that a less formal approach to exploring the meaning of these terms is more appropriate than adopting formal definitions under Article 1 of the Radio Regulations. To the extent any Administration should be of the view that further clarification regarding the scope of this agenda item is needed, it would be in order that such clarification be provided via modifications to the WP8B Preliminary Draft New Report.

2. Remotely piloted aircraft, also referred to as unmanned aerial vehicles (“UAVs”), are envisioned by many as fulfilling a variety of civil applications, and flying in national airspace of numerous Administrations within the next decade. Vehicles such as these must be carefully tested before any such operation commences given the obvious safety implications associated with these flights.

Additional spectrum designated for aeronautical mobile telemetry pursuant to Agenda Item 1.5 may be utilized for the flight testing of such aircraft. Such testing is expected to occur at designated test centers on a coordinated basis with incumbent services. Such use does not include command and control of UAVs in national airspace. Consideration of the spectrum needs of UAVs operating in national airspace could be the subject of other Agenda Items.

Proposal:

USA/ /01 NOC

ARTICLE 1

(with regard to definitions for aeronautical telemetry and aeronautical telecommand pursuant to Agenda Item 1.5 (WRC-03)).

Reasons: Formal definitions are not necessary for resolution of this agenda item. Aeronautical mobile telemetry (AMT) has been conducted for many years internationally without special definitions for the terms “aeronautical telemetry” or “aeronautical telecommand.” See No. **5.342**, No. **5.343**, No. **5.394** and, No. **5.395**.

USA/ /02

The operational command and control requirements of remotely-piloted aircraft (Unmanned Aerial Vehicles, UAVs) should not be considered under agenda item 1.5.

Reasons: Agenda item 1.5 was approved for one purpose only; namely, to ensure adequate spectrum resources for flight testing in the face of extraordinary increase in telemetry data rates. Accordingly, agenda item 1.5 is not appropriate for consideration of UAVs operating in airspace under civil control.
