

## RESOLUTION 424 (WRC-15)

**Use of Wireless Avionics Intra-Communications in the  
frequency band 4 200-4 400 MHz**

The World Radiocommunication Conference (Geneva, 2015),

*considering*

- a) that aircraft are designed to enhance their efficiency, reliability and safety, as well as to be more environmentally friendly;
- b) that Wireless Avionics Intra-Communications (WAIC) systems provide radiocommunications between two or more aircraft stations integrated into or installed on a single aircraft, supporting the safe operation of the aircraft;
- c) that WAIC systems do not provide radiocommunications between an aircraft and the ground, another aircraft or a satellite;
- d) that WAIC systems operate in a manner that ensures the safe operation of an aircraft;
- e) that WAIC systems operate during all phases of flight, including on the ground;
- f) that aircraft equipped with WAIC systems operate globally;
- g) that WAIC systems operating inside an aircraft receive the benefits of fuselage attenuation to facilitate sharing with other services;
- h) that Recommendation ITU-R M.2067 provides technical characteristics and operational objectives for WAIC systems,

*recognizing*

that Annex 10 to the International Civil Aviation Organization (ICAO) Convention on International Civil Aviation contains Standards and Recommended Practices (SARPs) for safety aeronautical radionavigation and radiocommunication systems used by international civil aviation,

*resolves*

- 1 that WAIC is defined as radiocommunication between two or more aircraft stations located on board a single aircraft, supporting the safe operation of the aircraft;
- 2 that WAIC systems operating in the frequency band 4 200-4 400 MHz shall not cause harmful interference to, nor claim protection from, systems of the aeronautical radionavigation service operating in this frequency band;
- 3 that WAIC systems operating in the frequency band 4 200-4 400 MHz shall comply with the Standards and Recommended Practices published in Annex 10 to the Convention on International Civil Aviation;
- 4 that No. **43.1** shall not apply for WAIC systems,

**RES424-2**

*instructs the Secretary-General*

to bring this Resolution to the attention of ICAO,

*invites the International Civil Aviation Organization*

to take into account Recommendation ITU-R M.2085 in the course of development of SARPs for WAIC systems.