

## ATTACHMENT

### TERMS OF REFERENCE

#### FREQUENCY SPECTRUM MANAGEMENT PANEL

<b>Background</b>	<p>The Frequency Spectrum Management Panel (FSMP) is to be established to manage aeronautical frequency spectrum in order to ensure sufficient access to the resource for the provision of aeronautical communication, navigation and surveillance services (CNS) in an efficient and safe manner.</p> <p>In 1998 (ANC, 147th session), as a result of a review of the work of the Frequency Management Study Group (FMSG), it was identified that, in the long term this task would need to be assigned to a new Panel. However, as an interim measure, the work was assigned in part to the existing Aeronautical Mobile Communications Panel (later Aeronautical Communications Panel (ACP) Working Group F (WG-F)) and in part to the Global Navigation Satellite Systems Panel (later Navigation Systems Panel (NSP) Spectrum Sub-Group (SSG)).</p> <p>When reviewing the overall Panel work programme again in 2013 and 2014, it was noted that ACP WG-F, which is responsible for drafting the ICAO Position and other material as necessary to support the update of the International Telecommunication Union (ITU) Radio Regulations (RR), has operated as a de-facto Panel for a number of years. Typical meetings of WG-F are supported by 40+ participants from approximately 20 States as well as industry. Due to the specialized nature and time criticality of the major deliverables of the tasks assigned to WG-F, those are progressed directly to the ANC without being addressed by the ACP. The ANC agreed to establish the Frequency Spectrum Management Panel (FSMP) in 2014 (AN-Min 196-9).</p>
<b>Scope</b>	<p>The FSMP will advise the ANC on frequency spectrum related matters relating to implementation and coordination of C, N and S services.</p> <p>The panel will develop the ICAO Position and other material as necessary to support the update of the ITU Radio Regulations (RR) which are the international instrument governing the use of radio frequency spectrum on a worldwide basis. The RR are updated through regular ITU World Radiocommunication Conferences, held every three to four years.</p> <p>The panel will develop and maintain the ICAO Spectrum Strategy and the ICAO Policy on Radio Frequency Spectrum, necessary to enable the advancement of technological developments and innovation, in order for aviation to efficiently manage the finite and limited frequency spectrum resource.</p>
<b>Required Expertise</b>	<p>The panel shall preferably be composed of experts involved in:</p> <ul style="list-style-type: none"><li>• aeronautical frequency and/or spectrum management; and</li><li>• the national and international (ITU) process of developing the frequency spectrum as a resource.</li></ul> <p>The members shall preferably have an excellent knowledge in the technologies and disciplines of aeronautical communications, navigation and surveillance.</p>

<b>Objective(s)</b>	<ol style="list-style-type: none"><li>1. Develop and maintain SARPs and guidance material to facilitate frequency management of communication, navigation and surveillance systems.</li><li>2. Update proposals to the ICAO spectrum strategy, mapping out the future requirements for spectrum to support communication, navigation and surveillance systems, in close cooperation with the panels responsible for those systems.</li><li>3. Update proposals to the detailed ICAO Policy on all relevant aeronautical frequency spectrum allocations.</li><li>4. Develop the ICAO Position for upcoming ITU World Radiocommunication Conferences (WRC).</li><li>5. Assist the ICAO Secretariat in developing input material for studies within the ITU Radiocommunication Sector (ITU-R) as necessary to ensure that aeronautical interests are taken care of in the development of ITU-R Recommendations and Reports and in the development of draft solutions for an upcoming WRC.</li><li>6. Address issues of interference from aeronautical and non-aeronautical sources.</li></ol>
<b>Specific Working Arrangements</b>	<p>None specified.</p> <p>As defined in the “Directives for Panels of the Air Navigation Commission”, ICAO Doc 7894, Chapter 3.4.5.2, the panel chairperson may establish working groups as necessary.</p> <p>The FSMP should coordinate its work with the various groups of experts responsible for other Annexes and disciplines, as appropriate, in particular with the Communications Panel, Navigation Panel and the Surveillance Panel.</p>
<b>Date of Approval by ANC</b>	<p>19 June 2014</p> <p>ANC 196-9</p>