

**Chairman, CPM**

**TABLE OF PROPOSED AGENDA ITEMS  
FOR THE WORLD RADIOCOMMUNICATION CONFERENCE 2011**

The attached table lists agenda items for WRC-11 as proposed by WRC-07 in Resolution [COM6/7] (WRC-07). It has been prepared to facilitate the allocation of preparatory work amongst the ITU-R Study Groups.

Some provisional entries for “Responsible Groups” have been inserted in the table for the consideration of CPM11-1.

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
1.1 to consider and take appropriate action on requests from administrations to delete their country footnotes or to have their country name deleted from footnotes, if no longer required, taking into account Resolution 26 (Rev.WRC-07)			
Resolution 26 (Rev.WRC-07)  Footnotes to the Table of Frequency Allocations in Article 5 of the Radio Regulations		Not in scope of the CPM	
1.2 taking into account the ITU-R studies carried out in accordance with Resolution 951 (Rev.WRC-07), take appropriate action with a view to enhancing the international regulatory framework			
Resolution 951 (Rev.WRC-07)  Enhancing the international spectrum regulatory framework	SG 1	<p><i>resolves</i></p> <p>1 that, as a matter of urgency, taking into account Annexes 1 and 2, studies are to be continued by ITU-R, in order to develop concepts and procedures for enhancing the Radio Regulations to meet the demands of current, emerging and future radio applications, while taking into account existing services and usage;</p> <p>2 that the studies mentioned in <i>resolves</i> 1 shall be limited to general allocation or procedural issues relating to general spectrum management solutions, such as those already developed in Annex 1, in line with the process contained in Annex 2;</p> <p>3 to invite WRC-11 to take into consideration the results of these studies, including sharing and their impact on allocations in the concerned frequency bands, and take appropriate action in accordance with Annex 2,</p> <p><i>invites ITU-R</i></p> <p>to conduct the necessary studies in time for consideration by WRC-11 and in accordance with this Resolution,</p>	

<sup>1</sup> All appropriate regulatory/procedural studies on relevant agenda items will be carried out by the Special Committee on Regulatory/Procedural matters (SC) on the basis of proposals from membership of the ITU and the relevant ITU-R Study Groups.

<sup>2</sup> A concerned ITU-R group may be either a contributing group on a specific item, or an interested group that will follow the work on a specific issue and act as appropriate.

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Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
1.3		to consider spectrum requirements and possible regulatory actions, including allocations, in order to support the safe operation of unmanned aircraft systems (UAS), based on the results of ITU-R studies, in accordance with Resolution [COM6/8] (WRC-07)	
Resolution [COM6/8] (WRC-07)  Consideration of appropriate regulatory provisions for the operation of unmanned aircraft systems (UAS)	SG 5 [WP 5B]	<p><i>resolves</i></p> <p>that WRC-11 consider, based on the results of ITU-R studies:</p> <p>1 the spectrum requirements and possible regulatory actions, including additional allocations, to support the remote pilot in commanding and controlling the unmanned aircraft systems and in relaying the air traffic control communications, as mentioned in <i>considering c</i>);</p> <p>2 the spectrum requirements and possible regulatory actions, including additional allocations, to support the safe operation of unmanned aircraft systems not covered by <i>resolves 1</i>, as mentioned in <i>considering d</i>),</p> <p><i>invites ITU-R</i></p> <p>1 to conduct in time for WRC-11 the necessary studies leading to technical, regulatory and operational recommendations to the Conference, enabling that Conference to decide on appropriate allocations for the operation of UAS;</p> <p>2 that the studies referred to in <i>invites ITU-R 1</i> should include sharing and compatibility studies with services already having allocations in those bands;</p> <p>3 to produce a report or a recommendation, as appropriate, on how to accommodate the radiocommunication requirements for UAS payloads,</p>	

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Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
1.4		to consider, based on the results of ITU-R studies, any further regulatory measures to facilitate introduction of new aeronautical mobile (R) service (AM(R)S) systems in the bands 112-117.975 MHz, 960-1 164 MHz and 5 000-5 030 MHz in accordance with Resolutions <b>413 (Rev.WRC-07)</b> , <b>[COM4/5] (WRC-07)</b> and <b>[COM4/9] (WRC-07)</b>	
<p>Resolution <b>413 (Rev.WRC-07)</b></p> <p>Use of the band 108-117.975 MHz by the aeronautical mobile (R) service</p>	<p>SG 5 [WP 5B]</p>	<p><i>resolves</i></p> <p>1 that any aeronautical mobile (R) service systems operating in the band 108-117.975 MHz shall not cause harmful interference to, nor claim protection from ARNS systems operating in accordance with international aeronautical standards;</p> <p>2 that any AM(R)S systems planned to operate in the frequency band 108-117.975 MHz shall, as a minimum, meet the FM broadcasting immunity requirements contained in Annex 10 of the ICAO Convention on International Civil Aviation for existing aeronautical radionavigation systems operating in this frequency band;</p> <p>3 that AM(R)S systems operating in the band 108-117.975 MHz shall place no additional constraints on the broadcasting service or cause harmful interference to stations operating in the bands allocated to the broadcasting service in the frequency band 87-108 MHz and No. <b>5.43</b> does not apply to systems identified in <i>recognizing d</i>);</p> <p>4 that frequencies below 112 MHz shall not be used for AM(R)S systems excluding the ICAO systems identified in <i>recognizing d</i>);</p> <p>5 that any AM(R)S operating in the frequency band 108-117.975 MHz shall meet SARPs requirements published in Annex 10 of the ICAO Convention on International Civil Aviation;</p> <p>6 that WRC-11 should consider, based on the results of the ITU-R studies mentioned under <i>invites ITU-R</i>, any further regulatory measure to facilitate introduction of new AM(R)S systems,</p> <p><i>invites ITU-R</i></p> <p>1 to study any compatibility issues between the broadcasting and AM(R) services that may arise from the introduction of AM(R)S systems in the band 112-117.975 MHz, and to develop new or revised ITU-R Recommendations as appropriate;</p> <p>2 to study any compatibility issues between the broadcasting and AM(R) services in the band 108-117.975 MHz that may arise from the introduction of appropriate digital sound broadcasting systems, described in Recommendation ITU-R BS.1114, and to develop new or revised ITU-R Recommendations as appropriate;</p> <p>3 to report to WRC-11 on the results of these studies,</p>	

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Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
<p>Resolution [COM4/5] (WRC-07)</p> <p>Use of the band 960-1 164 MHz by the aeronautical mobile (R) service</p>	<p>SG 5 [WP 5B]</p>	<p><i>resolves</i></p> <p>1 that any AM(R)S system operating in the frequency band 960-1 164 MHz shall meet SARPs requirements published in Annex 10 of the ICAO Convention on International Civil Aviation;</p> <p>2 that any AM(R)S systems operating in the band 960-1 164 MHz shall not cause harmful interference to, nor claim protection from, and shall not impose constraints on the operation and planned development of aeronautical radionavigation systems in the same band;</p> <p>3 that compatibility studies between AM(R)S systems operating in the band 960-1 164 MHz and ARNS systems in <i>considering f) and g)</i> need to be conducted to develop sharing conditions to ensure that the conditions of <i>resolves 2</i> are satisfied, and that ITU-R Recommendations are developed as appropriate;</p> <p>4 that the result of the studies pursuant to <i>resolves 3</i> shall be reported to WRC-11 and the decision should be taken by WRC-11 to review, if appropriate, regulatory provisions in <i>resolves 2</i> taking into account protection requirements of ARNS systems identified in <i>considering f) and g)</i> and the need for global facilitation of AM(R)S operating in accordance with ICAO standards;</p> <p>5 that frequencies in the band 960-1 164 MHz shall not be used by an AM(R)S system, except for the AM(R)S system identified in <i>recognizing c)</i>, until all potential compatibility issues with the ARNS and, as necessary, the radionavigation-satellite service (RNSS) in the adjacent band have been resolved, also taking into account <i>recognizing d)</i>,</p> <p><i>invites ITU-R</i></p> <p>1 to conduct studies in accordance with <i>resolves 3</i> and <i>5</i> on operational and technical means to facilitate sharing between AM(R)S systems operating in the band 960-1 164 MHz and ARNS systems identified in <i>considering f) and g)</i>;</p> <p>2 to conduct studies in accordance with <i>resolves 5</i> on operational and technical means to facilitate sharing between AM(R)S systems operating in the band 960-1 164 MHz and the RNSS operating in the band 1 164-1 215 MHz;</p> <p>3 to report the results of the studies to WRC-11,</p>	

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Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
<p>Resolution [COM4/9] (WRC-07)</p> <p>Consideration of the frequency bands between 5 000 and 5 030 MHz for aeronautical mobile (R) service surface applications at airports</p>	<p>SG 5 [WP 5B]</p>	<p><i>resolves</i></p> <p>1 that ITU-R investigate, with priority, AM(R)S spectrum requirements for surface applications in the 5 GHz range, in order to determine if they can be fulfilled in the band 5 091-5 150 MHz;</p> <p>2 that ITU-R further investigate, if necessary, the feasibility of an allocation for AM(R)S for surface applications at airports, study the technical and operational issues relating to the protection of RNSS in the bands between 5 000 and 5 030 MHz and of the radio astronomy service in the band 4 990-5 000 MHz from AM(R)S, and develop appropriate Recommendations;</p> <p>3 that WRC-11 consider results of the above studies and take appropriate actions,</p>	
<p>1.5 to consider worldwide/regional harmonization of spectrum for electronic news gathering (ENG), taking into account the results of ITU-R studies, in accordance with Resolution [COM6/5] (WRC-07)</p>			
<p>Resolution [COM6/5] (WRC-07)</p> <p>Harmonization of spectrum for use by terrestrial electronic news gathering systems</p>	<p>SG 6 [WP 6D]</p>	<p><i>resolves</i></p> <p>1 that, based on studies undertaken by ITU-R, WRC-11 should address the feasibility of achieving a satisfactory degree of worldwide/regional harmonization of spectrum for ENG use in terms of the frequency bands and tuning ranges;</p> <p>2 that methods should be identified for the possible harmonization of frequency bands and tuning ranges for ENG usage,</p> <p><i>invites ITU-R</i></p> <p>1 to carry out studies of ENG regarding possible solutions for global/regional harmonization in frequency bands and tuning ranges, taking into account:</p> <ul style="list-style-type: none"> <li>– available technologies to maximize efficient and flexible use of frequency;</li> <li>– system characteristics and operational practices which facilitate the implementation of these solutions;</li> </ul> <p>2 to include in the studies referred to above sharing and compatibility issues with services already having allocations in frequency bands and tuning ranges which have potential for ENG use;</p> <p>3 to propose operational measures to facilitate operation of ENG equipment consistent with global circulation of radiocommunication equipment, taking into account Recommendation ITU-R M.1637;</p> <p>4 to report the results of those studies to the World Radiocommunication Conference 2011,</p>	

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Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
1.6 to review No. <b>5.565</b> of the Radio Regulations in order to update the spectrum use by the passive services between 275 GHz and 3 000 GHz, in accordance with Resolution <b>950 (Rev.WRC-07)</b> , and to consider possible procedures for free-space optical-links, taking into account the result of ITU-R studies, in accordance with Resolution <b>[COM6/9] (WRC-07)</b>			
Resolution <b>950 (Rev.WRC-07)</b>  Consideration of the use of the frequencies between 275 and 3 000 GHz	[SG 7]	<p><i>resolves</i></p> <p>1 to review No. <b>5.565</b> of the Radio Regulations, excluding frequency allocations, in order to update the spectrum use between 275 GHz and 3 000 GHz by the passive services at WRC-11, taking into account the result of the ITU-R studies;</p> <p>2 that administrations may submit for inclusion in the Master International Frequency Register details on systems which operate between 275 and 3 000 GHz and which may be recorded by the Radiocommunication Bureau under Nos. <b>8.4, 11.8</b> and <b>11.12</b>,</p> <p><i>invites ITU-R</i></p> <p>to conduct the necessary studies in time for consideration by WRC-11 with a view to the modification of No. <b>5.565</b>, including advice on the applications suitable for the band 275-3 000 GHz,</p>	
Resolution <b>[COM6/9] (WRC-07)</b>  Consideration of procedures for free-space optical links		<p><i>resolves</i></p> <p>1 to consider possible procedures for free-space optical links, taking into account the results of ITU-R studies covering at least sharing aspects with other services, a clear definition of the band limits and measures to be considered if allocations to various services in the Radio Regulations above 3 000 GHz are considered feasible,</p> <p><i>invites ITU-R</i></p> <p>to conduct the necessary studies in time for consideration by WRC-11.</p>	

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Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
1.7		to consider the results of ITU-R studies in accordance with Resolution <b>222 (Rev.WRC-07)</b> in order to ensure long-term spectrum availability and access to spectrum necessary to meet requirements for the aeronautical mobile-satellite (R) service, and to take appropriate action on this subject, while retaining unchanged the generic allocation for the mobile-satellite services in the bands 1 525-1 559 MHz and 1 626.5-1 660.5 MHz	
<p><b>Resolution 222 (Rev.WRC-07)</b></p> <p>Use of the bands 1 525-1 559 MHz and 1 626.5-1 660.5 MHz by the mobile-satellite service, and studies to ensure long-term spectrum availability for the aeronautical mobile-satellite (R) service</p>	<p>SG 4 [WP 4C]</p>	<p><i>invites ITU-R</i></p> <p>to conduct, in time for consideration by WRC-11, the appropriate technical, operational and regulatory studies to ensure long-term spectrum availability for the aeronautical mobile-satellite (R) service (AMS(R)S) including;</p> <p>(i) to study, as a matter of urgency, the existing and future spectrum requirements of the aeronautical mobile-satellite (R) service;</p> <p>(ii) to assess whether the long-term requirements of the AMS(R)S can be met within the existing allocations with respect to No. <b>5.357A</b> while retaining unchanged the generic allocation for the mobile-satellite service in the bands 1 525-1 559 MHz and 1 626.5-1 660.5 MHz, and without placing undue constraints on the existing systems operating in accordance with the Radio Regulations;</p> <p>(iii) to complete studies to determine the feasibility and practicality of technical or regulatory means, other than the coordination process referred to in <i>resolves</i> 1 or the means considered in Report ITU-R M.2073, in order to ensure adequate access to spectrum to accommodate the AMS(R)S requirements as referenced in <i>resolves</i> 3 above, while taking into account the latest technical advances in order to maximize spectral efficiency;</p> <p>(iv) if the assessment identified in <i>invites ITU-R</i> (i) and (ii) indicates that these requirements cannot be met, to study existing MSS allocations or possible new allocations only for satisfying the requirements of the aeronautical mobile satellite (R) service for communications with priority categories 1 to 6 of Article <b>44</b>, for global and seamless operation of civil aviation taking into account the need to avoid undue constraints on existing systems and other services,</p>	



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Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
1.8 to consider the progress of ITU-R studies concerning the technical and regulatory issues relative to the fixed service in the bands between 71 GHz and 238 GHz, taking into account Resolutions <b>731 (WRC-2000)</b> and <b>732 (WRC-2000)</b>			
<p><b>Resolution 731 (WRC-2000)</b></p> <p>Consideration by a future competent world radiocommunication conference of issues dealing with sharing and adjacent-band compatibility between passive and active services above 71 GHz</p>	SG 7	<p><i>invites ITU-R</i></p> <p>1 to continue its studies to determine if and under what conditions sharing is possible between active and passive services in the bands above 71 GHz, such as, but not limited to, 100-102 GHz, 116-122.25 GHz, 148.5-151.5 GHz, 174.8-191.8 GHz, 226-231.5 GHz and 235-238 GHz;</p> <p>2 to study means of avoiding adjacent-band interference from space services (downlinks) into radio astronomy bands above 71 GHz;</p> <p>3 to take into account the principles of burden-sharing to the extent practicable in their studies;</p> <p>4 to complete the necessary studies when the technical characteristics of the active services in these bands are known;</p> <p>5 to develop Recommendations specifying sharing criteria for those bands where sharing is feasible,</p>	
<p><b>Resolution 732 (WRC-2000)</b></p> <p>Consideration by a future competent world radiocommunication conference of issues dealing with sharing between active services above 71 GHz</p>	SG 7	<p><i>resolves</i></p> <p>1 that appropriate measures should be taken to meet the spectrum requirements for active services for which the technology will be commercially available at a later time;</p> <p>2 that sharing criteria be developed for co-primary active services in bands above 71 GHz;</p> <p>3 that the sharing criteria developed should form the basis for a review of active service allocations above 71 GHz at a future competent conference, if necessary,</p> <p><i>invites ITU-R</i></p> <p>to complete the necessary studies with a view to presenting, at the appropriate time, the technical information likely to be required as a basis for the work of a future competent conference,</p>	

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Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
1.9 to revise frequencies and channelling arrangements of Appendix 17 to the Radio Regulations, in accordance with Resolution 351 (Rev.WRC-07), in order to implement new digital technologies for the maritime mobile service			
<p>Resolution 351 (Rev.WRC-07)</p> <p>Review of the frequency and channel arrangements in the HF bands allocated to the maritime mobile service contained in Appendix 17 with a view to improving efficiency through the use of new digital technology by the maritime mobile service</p>	<p>SG 5 [WP 5B]</p>	<p><i>resolves</i></p> <p>to invite WRC-11 to consider necessary changes to Appendix 17 in order to implement the use of new technology by MMS, in accordance with <i>invites ITU-R</i>,</p> <p><i>invites ITU-R</i></p> <p>to finalize studies currently ongoing:</p> <ul style="list-style-type: none"> <li>– to identify any necessary modifications to the frequency table contained within Appendix 17;</li> <li>– to identify any necessary transition arrangements for the introduction of new digital technologies and any consequential changes to Appendix 17;</li> <li>– to recommend how digital technologies can be introduced while ensuring compliance with distress and safety requirements,</li> </ul>	
1.10 to consider revisions to the Radio Regulations, including spectrum requirements and allocations, related to operation of safety systems for ships and ports, in accordance with Resolution [COM6/10] (WRC-07)			
<p>Resolution [COM6/10] (WRC-07)</p> <p>Consideration of regulatory provisions and spectrum allocations for use by enhanced maritime safety systems for ships and ports</p>	<p>SG 5 [WP 5B]</p>	<p><i>resolves</i></p> <p>1 that WRC-11 consider amendment to provisions of the Radio Regulations necessary to provide for the operation of ship and port security and maritime safety systems;</p> <p>2 that WRC-11 consider additional allocations to the maritime mobile service below 1 GHz to support the requirements identified in <i>resolves</i> 1;</p> <p>3 that WRC-11 consider additional allocations to the maritime mobile-satellite service in frequency bands allocated the maritime mobile service between 156-162.025 MHz to support the requirements identified in <i>resolves</i> 1,</p> <p><i>invites ITU-R</i></p> <p>1 to conduct, as a matter of urgency, studies to determine the spectrum requirements and potential frequency bands suitable to support ship and port security and enhanced maritime safety systems;</p> <p>2 that the studies referred to in <i>invites ITU-R</i> should include the applicability of spectrum efficient technologies, and sharing and compatibility studies with services already having allocations in potential spectrum for ship safety and port security systems,</p>	

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Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
1.11 to consider a primary allocation to the space research service (Earth-to-space) within the band 22.55-23.15 GHz, taking into account the results of ITU-R studies, in accordance with Resolution [COM6/11] (WRC-07)			
Resolution [COM6/11] (WRC-07)  Use of the band 22.55-23.15 GHz by the space research service	SG 7 [WP 7B]	<p><i>resolves</i></p> <p>1 to invite ITU-R to conduct sharing studies between space research service systems operating in the Earth-to-space direction and the fixed, inter-satellite and mobile services in the band 22.55-23.15 GHz, to recommend appropriate sharing criteria for an allocation to the space research service in the Earth-to-space direction;</p> <p>2 to invite WRC-11 to review the results of the studies under <i>resolves</i> 1 and consider the inclusion of the sharing criteria within the Radio Regulations and appropriate modifications to the Table of Frequency Allocations,</p> <p><i>invites ITU-R</i></p> <p>to complete the necessary studies, as a matter of urgency, taking into account the present use of the allocated band, with a view to presenting, at the appropriate time, the technical information likely to be required as a basis for the work of the conference,</p>	
1.12 to protect the primary services in the band 37-38 GHz from interference resulting from aeronautical mobile service operations, taking into account the results of ITU-R studies, in accordance with Resolution [COM6/12] (WRC-07)			
Resolution [COM6/12] (WRC-07)  Consideration of modification of the aeronautical component of the mobile service allocation in the 37-38 GHz band for protection of other primary services in the band	SG 5 [WP 5B]	<p><i>resolves</i></p> <p>1 to invite ITU-R to conduct appropriate studies involving the aeronautical mobile service and the affected primary services in the band 37-38 GHz in order to determine the compatibility of the aeronautical mobile service with these other services;</p> <p>2 to invite WRC-11 to review the results of the studies under <i>resolves</i> 1 and consider the inclusion of any appropriate compatibility criteria within the Radio Regulations or appropriate modifications to the Table of Frequency Allocations,</p> <p><i>invites ITU-R</i></p> <p>to complete the necessary studies, as a matter of urgency, taking into account the present use of the allocated band, with a view to presenting, at the appropriate time, the technical information likely to be required as a basis for the work of the Conference,</p>	

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Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
1.13 to consider the results of ITU-R studies in accordance with Resolution [COM6/13] (WRC-07) and decide the spectrum usage of the 21.4-22 GHz band for the broadcasting-satellite service and the associated feeder-link bands in Regions 1 and 3			
Resolution [COM6/13] (WRC-07)  Use of the band 21.4-22 GHz for broadcasting-satellite service and associated feeder-link bands in Regions 1 and 3	SG 4 [WP 4C]	<p><i>resolves</i></p> <p>1 that ITU-R continue technical and regulatory studies on harmonization of spectrum usage, including planning methodologies, coordination procedures or other procedures, and BSS technologies, in preparation for WRC-11, in the 21.4-22 GHz band and the associated feeder-link bands in Regions 1 and 3, taking into account <i>considering h) and i)</i>;</p> <p>2 that WRC-11 review the results of the study and decide the usage of the 21.4-22 GHz band and the associated feeder-link bands in Regions 1 and 3,</p>	
1.14 to consider requirements for new applications in the radiolocation service and review allocations or regulatory provisions for implementation of the radiolocation service in the range 30-300 MHz, in accordance with Resolution [COM6/14] (WRC-07)			
Resolution [COM6/14] (WRC-07)  Use of portion of the VHF band by the radiolocation service	SG 5 [WP 5B]	<p><i>resolves</i></p> <p>1 to consider at WRC-11 a primary allocation to the radiolocation service in the portion of the band 30-300 MHz for the implementation of new applications in the radiolocation service, with bandwidth no larger than 2 MHz, taking into account the results of ITU-R studies;</p> <p>2 that introduction of new systems in the radiolocation service shall be avoided in the frequency bands 156.4875-156.8375 MHz and 161.9625-162.0375 MHz, which are used by distress and safety applications in maritime mobile service,</p> <p><i>invites ITU-R</i></p> <p>1 to continue to study, as a matter of urgency, the technical characteristics, protection criteria, and other factors to ensure that radiolocation systems can operate compatibly with systems operating in accordance with the Table in service in the 30-300 MHz frequency range band;</p> <p>2 to include the results of the above studies in one or more new or existing ITU-R Recommendations, if appropriate;</p> <p>3 to complete these studies in time for WRC-11,</p>	

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Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
<p>1.15 to consider possible allocations in the frequency range 3-50 MHz to the radiolocation service for oceanographic radar applications, taking into account the results of ITU-R studies, in accordance with Resolution [COM6/15] (WRC-07)</p>			
<p>Resolution [COM6/15] (WRC-07)</p> <p>Use of the radiolocation service between 3 and 50 MHz to support high-frequency oceanographic radar operations</p>	<p>SG 5 [WP 5B]</p>	<p><i>resolves</i></p> <p>1 to invite ITU-R to identify high-frequency oceanographic radar system applications between 3 and 50 MHz band, including bandwidth requirements, appropriate portions of this band for these applications, and other characteristics necessary to conduct sharing studies;</p> <p>2 to invite ITU-R to conduct sharing analyses between the radiolocation service applications identified under <i>resolves</i> 1 and incumbent services in the bands identified to be suitable for the operation of high-frequency oceanographic radar systems;</p> <p>3 that, if compatibility with existing services is confirmed under <i>resolves</i> 2, to recommend that WRC-11 consider allocations to the radiolocation service in several suitable bands between 3 and 50 MHz, as determined in the ITU-R studies, each band not exceeding 600 kHz, for operation of oceanographic radars,</p> <p><i>invites ITU-R</i></p> <p>to complete the necessary studies, as a matter of urgency, taking into account the present use of the allocated band, with a view to presenting, at the appropriate time, the technical information likely to be required as a basis for the work of WRC-11,</p>	
<p>1.16 to consider the needs of passive systems for lightning detection in the meteorological aids service, including the possibility of an allocation in the frequency range below 20 kHz, and to take appropriate action, in accordance with Resolution [COM6/16] (WRC-07)</p>			
<p>Resolution [COM6/16] (WRC-07)</p> <p>Recognition of systems in the meteorological aids service in the frequency range below 20 kHz</p>	<p>SG 7 [WP 7C]</p>	<p><i>resolves</i></p> <p>1 to invite ITU-R to conduct, and complete in time for WRC-11, the required studies leading to technical and procedural recommendations to the Conference enabling it to decide on an appropriate method of providing recognition to long-established systems, including the possibility of making an allocation to the meteorological aids service in the frequency range below 20 kHz;</p> <p>2 that the studies referred to in <i>resolves</i> 1, without placing constraints on existing services operating in accordance with the Radio Regulations, shall include sharing and compatibility studies with services already having allocations in potential spectrum for systems in the meteorological aids service taking into account the needs of other services,</p>	

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Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
1.17 to consider the results of sharing studies between the mobile service and other services in the band 790-862 MHz in Regions 1 and 3, in accordance with Resolution [COM4/13] (WRC-07), to ensure the adequate protection of services to which the frequency band is allocated, and to take regulatory actions as appropriate			
Resolution [COM4/13] (WRC-07)  Studies on the use of the band 790-862 MHz by mobile applications and by other services	SG 5 [WP 5D]	<i>resolves</i>  1 to invite ITU-R to conduct sharing studies for Regions 1 and 3 in the band 790-862 MHz between the mobile service and other services in order to protect the services to which the frequency band is currently allocated;  2 to invite ITU-R to report the results of these studies for consideration by WRC-11 and appropriate action,	
1.18 to consider extending the existing primary and secondary radiodetermination-satellite service (space-to-Earth) allocations in the band 2 483.5-2 500 MHz in order to make a global primary allocation, and to determine the necessary regulatory provisions based upon the results of ITU-R studies, in accordance with Resolution [COM6/17] (WRC-07)			
Resolution [COM6/17] (WRC-07)  Global primary allocation to the radiodetermination-satellite service in the frequency band 2 483.5-2 500 MHz (space-to-Earth)	SG 4 [WP 4C]	<i>resolves to invite ITU-R</i>  to conduct, and complete in time for WRC-11, the appropriate technical, operational and regulatory studies leading to technical and procedural recommendations to the Conference enabling it to decide whether a global primary allocation for the radiodetermination-satellite service in the frequency band 2 483.5-2 500 MHz (space-to-Earth) is compatible with other services in the band,	
1.19 to consider regulatory measures and their relevance, in order to enable the introduction of software-defined radio and cognitive radio systems, based on the results of ITU-R studies, in accordance with Resolution [COM6/18] (WRC-07)			
Resolution [COM6/18] (WRC-07)  Regulatory measures and their relevance to enable the introduction of software-defined radio and cognitive radio systems	SG 1 [WP 1A]	<i>resolves to invite ITU-R</i>  1 to study whether there is a need for regulatory measures related to application of cognitive radio system technologies;  2 to study whether there is a need for regulatory measures related to the application of software-defined radio,	

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
1.20 to consider the results of ITU-R studies and spectrum identification for gateway links for high altitude platform stations (HAPS) in the range between 5 850-7 075 MHz in order to support operations in the fixed and mobile services, in accordance with Resolution <b>734 (Rev.WRC-07)</b>			
Resolution <b>734 (Rev.WRC-07)</b>  Studies for spectrum identification for gateway links for high altitude platform stations in the range from 5 850 to 7 075 MHz	SG 5 [WP 5C]	<p><i>resolves</i></p> <p>1 to invite ITU-R to extend the sharing studies, with a view to identifying two channels of 80 MHz each for gateway links for HAPS in the range from 5 850 to 7 075 MHz, in bands already allocated to the fixed service, while ensuring the protection of existing services;</p> <p>2 to recommend to WRC-11 to review the results of studies, with a view to taking an appropriate decision for the deployment of HAPS gateway links to service the relevant stratospheric base station operations and support for these networks,</p>	
1.21 to consider a primary allocation to the radiolocation service in the band 15.4-15.7 GHz, taking into account the results of ITU-R studies, in accordance with Resolution <b>[COM6/19] (WRC-07)</b>			
Resolution <b>[COM6/19] (WRC-07)</b>  Use of the band 15.4-15.7 GHz by the radiolocation service	SG 5 [WP 5B]	<p><i>resolves</i></p> <p>to consider at WRC-11 a primary allocation to the radiolocation service in the band 15.4-15.7 GHz, taking into account the results of ITU-R studies,</p> <p><i>invites ITU-R</i></p> <p>1 to study, as a matter of urgency, the technical characteristics, protection criteria, and other factors to ensure that radiolocation systems can operate compatibly with systems in the aeronautical radionavigation and fixed-satellite services in the band 15.4-15.7 GHz, taking account of the safety nature of the aeronautical radionavigation service;</p> <p>2 to study, as a matter of urgency, the compatibility between the radiolocation service in the band 15.4-15.7 GHz and RAS in the adjacent band 15.35-15.40 GHz;</p> <p>3 to include the results of the above studies in one or more new or existing ITU-R Recommendations;</p> <p>4 to complete these studies in time for WRC-11.</p>	

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
1.22 to examine the effect of emissions from short-range devices on radiocommunication services, in accordance with Resolution [COM6/4] (WRC 07)			
Resolution [COM6/4] (WRC 07)  Protection of radiocommunication services from emissions by short-range radio devices	SG 1	<i>resolves</i> that, to ensure that radiocommunication services are adequately protected, further studies are required on the emissions from SRDs, inside and outside the frequency bands designated in the Radio Regulations for ISM applications,  <i>invites ITU-R</i> to study emissions from SRDs, in particular RFIDs, inside and outside the frequency bands designated in the Radio Regulations for ISM applications to ensure adequate protection of radiocommunication services,	
1.23 to consider an allocation of about 15 kHz in part of the band 415-526.5 kHz to the amateur service on a secondary basis, taking into account the need to protect existing services			
	SG 5 [WP 5A]		
1.24 to consider the existing allocation to the meteorological-satellite service in the band 7 750-7 850 MHz with a view to extending this allocation to the band 7 850-7 900 MHz, limited to non-geostationary meteorological satellites in the space-to-Earth direction, in accordance with Resolution [COM6/20] (WRC-07)			
Resolution [COM6/20] (WRC-07)  Extension of the allocation to the meteorological-satellite service of the band 7 750-7 850 MHz	SG 7 [WP 7B]	<i>resolves</i> 1 to invite ITU-R to conduct sharing analyses between non-geostationary meteorological satellites operating in the space-to-Earth direction and the fixed and mobile services in the band 7 850-7 900 MHz with a view to extending the current allocation in the space-to-Earth direction to this band; 2 to recommend that WRC-11 review the results of the studies under <i>resolves</i> 1; 3 to make appropriate modifications to the Table of Frequency Allocations with respect to <i>resolves</i> 1, based on proposals from administrations,  <i>invites ITU-R</i> to complete the necessary studies, taking into account the present use of allocated bands, with a view to presenting its results to WRC-11,	



**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
1.25 to consider possible additional allocations to the mobile-satellite service, in accordance with Resolution [COM6/21] (WRC-07)			
Resolution [COM6/21] (WRC-07)  Additional allocations to the mobile-satellite service with particular focus on the bands between 4 GHz and 16 GHz	SG 4 [WP 4C]	<i>resolves to invite ITU-R</i>  to complete, for WRC-11, studies of possible bands for new allocations to the mobile-satellite service in the Earth-to-space and space-to-Earth directions, with particular focus on the range 4 GHz to 16 GHz, taking into account sharing and compatibility, without placing undue constraints on existing services in this band,	
2 to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations communicated by the Radiocommunication Assembly, in accordance with Resolution 28 (Rev.WRC-03), and to decide whether or not to update the corresponding references in the Radio Regulations, in accordance with principles contained in the Annex 1 to Resolution 27 (Rev.WRC-07)			
Resolution 28 (Rev.WRC-03)  Revision of references to the text of ITU-R Recommendations incorporated by reference in the Radio Regulations		<i>instructs the Director of the Radiocommunication Bureau</i>  to provide the CPM immediately preceding each WRC with a list, for inclusion in the CPM Report, of those ITU-R Recommendations containing texts incorporated by reference that have been revised or approved since the previous WRC, or that may be revised in time for the following WRC,	
Resolution 27 (Rev.WRC-07)  Use of incorporation by reference in the Radio Regulations		<i>instructs the Director of the Radiocommunication Bureau</i>  1 to bring this Resolution to the attention of the Radiocommunication Assembly and the ITU-R Study Groups;  2 to identify the provisions and footnotes of the Radio Regulations containing references to ITU-R Recommendations and make suggestions on any further action to the second session of the Conference Preparatory Meeting (CPM) for its consideration, as well as for inclusion in the Director's Report to the next WRC;  3 to identify the provisions and footnotes of the Radio Regulations containing references to WRC Resolutions that contain references to ITU-R Recommendations, and make suggestions on any further action to the second session of the Conference Preparatory Meeting (CPM) for its consideration, as well as for inclusion in the Director's Report to the next WRC,	

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
4 in accordance with Resolution <b>95 (Rev.WRC-07)</b> , to review the Resolutions and Recommendations of previous conferences with a view to their possible revision, replacement or abrogation			
<p><b>Resolution 95 (Rev.WRC-07)</b></p> <p>General review of the Resolutions and Recommendations of world administrative radio conferences and world radiocommunication conferences</p>		<p><i>instructs the Director of the Radiocommunication Bureau</i></p> <p>1 to conduct a general review of the Resolutions and Recommendations of previous conferences and, after consultation with the Radiocommunication Advisory Group and the Chairmen and Vice-Chairmen of the Radiocommunication Study Groups, submit a report to the second session of the Conference Preparatory Meeting (CPM) in respect of <i>resolves 1 and resolves 2</i>, including an indication of any associated agenda items;</p> <p>2 to include in the above report, with the cooperation of the chairmen of the Radiocommunication Study Groups, the progress reports of ITU-R studies on the issues which have been requested by the Resolutions and Recommendations of previous conferences, but which are not placed on the agendas of the forthcoming two conferences,</p> <p><i>invites the Conference Preparatory Meeting</i></p> <p>to include, in its Report, the results of the general review of the Resolutions and Recommendations of previous conferences, based on the contributions by administrations to CPM, in order to facilitate the follow-up by future WRCs,</p>	
7 to consider possible changes in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference: “Advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks”, in accordance with Resolution <b>86 (Rev.WRC-07)</b>			
<p><b>Resolution 86 (Rev.WRC-07)</b></p> <p>Implementation of Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference</p>	SC	<p><i>resolves to invite future world radiocommunication conferences</i></p> <p>1 to consider any proposals which deal with deficiencies and improvements in the advance publication, coordination, notification and recording procedures of the Radio Regulations for frequency assignments pertaining to space services which have either been identified by the Board and included in the Rules of Procedure or which have been identified by administrations or by the Radiocommunication Bureau, as appropriate;</p> <p>2 to ensure that these procedures, and the related appendices of the Radio Regulations reflect the latest technologies, as far as possible,</p>	

**Allocation of ITU-R preparatory work for WRC-11**

Topic	Responsible Group <sup>1</sup>	Action to be taken by the Group	Concerned Group <sup>2</sup>
8.1 to consider and approve the Report of the Director of the Radiocommunication Bureau: 8.1.1 on the activities of the Radiocommunication Sector since WRC-07; 8.1.2 on any difficulties or inconsistencies encountered in the application of the Radio Regulations; and 8.1.3 on action in response to Resolution <b>80 (Rev.WRC-07)</b>			
Resolution <b>80 (Rev.WRC-07)</b>  Due diligence in applying the principles embodied in the Convention		3 to instruct the Director of the Radiocommunication Bureau to submit to each future World Radiocommunication Conference a detailed progress report on the action taken on this Resolution.	

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