

**APIRG COMMUNICATIONS, NAVIGATION AND SURVEILLANCE SUB-GROUP  
FOURTH MEETING  
(CNS/SG/4)**

**SUMMARY OF DRAFT CONCLUSIONS AND DECISIONS**

<b>DRAFT CONC./DEC. NO.</b>	<b>TITLE/TEXT</b>
<b>AGENDA ITEM 4 - AERONAUTICAL FIXED SERVICE (AFS)</b>	
<b>DRAFT CONCLUSION 4/01</b>	<b>NEED FOR ICAO ASSISTANCE IN THE RESOLUTION OF AFS DEFICIENCIES</b>  THAT THE ICAO REGIONAL OFFICES SHOULD EXPLORE ALL AVENUES TO ASSIST THE STATES CONCERNED IN RESTORING/IMPLEMENTING NON-OPERATIONAL AFS CIRCUITS BASED ON AFI AIR NAVIGATION PLAN REQUIREMENTS.
<b>DRAFT DECISION 4/02</b>	<b>CONTINGENCY PLANNING FOR AFI VSAT NETWORKS OPERATED SATELLITES</b>  THAT THE SECRETARIAT SHOULD OBTAIN FROM THE INTELSAT COMPANY DISASTER RECOVERY PLANS FOR USE BY THE AFI AERONAUTICAL VSAT NETWORKS MANAGERS AS PART OF THEIR CONTINGENCY PLANS AIMED AT ENSURING CONTINUITY OF SERVICE IN CASE OF DISRUPTION OR FAILURE OF THE OPERATED SATELLITES.
<b>DRAFT CONCLUSION 4/03</b>	<b>ADOPTION OF BEST PRACTICES FOR AFI VSAT NETWORKS</b>  THAT THE AFI STATES AND AIR NAVIGATION SERVICES PROVIDERS (ANSPs) OPERATING AERONAUTICAL VSAT NETWORKS SHOULD ADOPT THE BEST PRACTICES STATED AT <b>APPENDIX C</b> TO THIS REPORT, AS WELL AS ANY OTHER BEST PRACTICES TO BE DEVELOPED AS REQUIRED.
<b>DRAFT CONCLUSION 4/04</b>	<b>IMPLEMENTATION OF AFISNET AND CAFSAT NETWORKS' MANAGEMENT AND CONTROL SYSTEMS</b>  THAT AFISNET AND CAFSAT PARTICIPATING STATES AND ORGANIZATIONS SHOULD ESTABLISH COMMON NETWORK MANAGEMENT AND CONTROL SYSTEMS WITH SHARED RESPONSIBILITIES, AND HARMONIZE THEIR MAINTENANCE POLICIES IN TO ENHANCE SYSTEMS' AVAILABILITY AND RELIABILITY.
<b>DRAFT CONCLUSION 4/05</b>	<b>MODERNIZATION OF AFISNET AND CAFSAT NETWORKS</b>  THAT AFISNET AND CAFSAT PARTICIPATING STATES AND ORGANIZATIONS SHOULD PURSUE THEIR ACTIVITIES AIMED AT ACHIEVING MODERNIZED NETWORKS THAT CONTINUE TO MEET REGIONALLY/INTER-REGIONALLY AGREED PERFORMANCE REQUIREMENTS.
<b>DRAFT CONCLUSION 4/06</b>	<b>MANAGEMENT OF INTERCONNECTIONS BETWEEN AERONAUTICAL VSAT NETWORKS</b>  THAT THE CONCERNED STATES AND ORGANIZATIONS SHOULD ESTABLISH FORMAL ARRANGEMENTS TO IMPROVE THE MANAGEMENT OF VSAT NETWORKS INTERCONNECTIONS.

<b>DRAFT CONC./DEC. NO.</b>	<b>TITLE/TEXT</b>
<b>DRAFT CONCLUSION 4/07</b>	<p><b>ARRANGEMENTS TO ENSURE SUSTAINABILITY OF NAFISAT AND SADC VSAT/2 NETWORKS</b></p> <p>THAT, BASED ON EXPERIENCE GAINED AND AVAILABLE CAPABILITIES NAFISAT AND SADC VSAT/2 PARTICIPATING STATES SHOULD ESTABLISH ADMINISTRATIVE AND FUNDING ARRANGEMENTS IN A TIMELY MANNER TO ENSURE THAT AFS REQUIREMENTS CONTINUE TO BE MET.</p>
<b>DRAFT DECISION 4/08</b>	<p><b>ESTABLISHMENT OF A TASK FORCE FOR THE REGIONAL PROJECT</b></p> <p>THAT A TASK FORCE BE ESTABLISHED TO ADDRESS ISSUES RELATED TO THE DEVELOPMENT OF A REGIONAL PROJECT AIMED TO ENHANCE THE OVERALL PERFORMANCE OF AFI AERONAUTICAL VSAT NETWORKS, AND CONVERGE TOWARDS A CONSOLIDATED REGIONAL ATN INFRASTRUCTURE, WITH THE TERMS OF REFERENCE SHOWN AT <b>APPENDIX D</b> TO THIS REPORT. THE TASK FORCE SHOULD COMPLETE ITS ASSIGNED WORK BY DECEMBER 2011, AND REPORT TO APIRG/18 THROUGH THE CNS SUB-GROUP.</p>
<b>DRAFT CONCLUSION 4/09</b>	<p><b>APPLICATION OF THE CONCEPT OF MULTINATIONAL FACILITY/SERVICE TO AN INTEGRATED AFI AERONAUTICAL TELECOMMUNICATION NETWORK (ATN) INFRASTRUCTURE.</b></p> <p>THAT THE CONCEPT OF MULTINATIONAL FACILITY/SERVICE AS DEFINED IN THE REGIONAL AIR NAVIGATION PLAN (DOC 7474) IS APPLICABLE TO AN AFI INTEGRATED IP-BASED REGIONAL/INTERREGIONAL DIGITAL COMMUNICATION NETWORK, INCLUDING ITS EVOLUTION TOWARDS A CONSOLIDATED AFI AERONAUTICAL TELECOMMUNICATION NETWORK (ATN) INFRASTRUCTURE.</p>
<b>DRAFT CONCLUSION 4/10</b>	<p><b>AFI AMHS IMPLEMENTATION STRATEGY</b></p> <p>THAT THE AHMS STRATEGY SHOWN AT <b>APPENDIX E1</b> TO THIS REPORT BE ADOPTED FOR THE AFI REGION.</p>
<b>DRAFT DECISION 4/11</b>	<p><b>DRAFT AFI ATN ARCHITECTURE PLAN</b></p> <p>THAT THE SECRETARIAT:</p> <ol style="list-style-type: none"> <li>1) SHOULD CIRCULATE TO AFI STATES AND ORGANIZATIONS THE DRAFT AFI ATN ARCHITECTURE PLAN SHOWN AT <b>APPENDIX F</b> TO THIS REPORT, FOR THEIR FINAL COMMENTS BY 30 SEPTEMBER 2011; AND</li> <li>2) ACCORDINGLY FINALIZE THE DRAFT AFI ATN ARCHITECTURE FOR ADOPTION BY APIRG/18.</li> </ol>
<b>DRAFT CONCLUSION 4/12</b>	<p><b>VSAT NETWORKS – PERFORMANCE MONITORING</b></p> <p>THAT THE SECRETARIAT SHOULD FINALIZE THE PERFORMANCE DATA COLLECTION FORMS SHOWN AT <b>APPENDIX G</b> TO THIS REPORT; AND CIRCULATE THE FINALIZED FORMS FOR USE BY AFI STATES AND ENTITIES OPERATING/MANAGING VSAT NETWORKS IN ORDER TO HARMONIZE RELATED PERFORMANCE MEASUREMENT METHODOLOGY WITHIN AND BETWEEN ICAO REGIONS.</p>

<b>DRAFT CONC./DEC. NO.</b>	<b>TITLE/TEXT</b>
<b>DRAFT CONCLUSION 4/13</b>	<p><b>NEED FOR FURTHER INVESTIGATIONS ON THE LACK OF FLIGHT PLANS</b></p> <p>THAT, CONSIDERING THE HIGH PRIORITY TO BE ACCORDED TO THE ISSUE OF LACK OF FLIGHT PLANS, AFI AIR TRAFFIC SERVICE UNITS (ATSUS) REPORT AND CONDUCT INVESTIGATIONS ON MISSING FLIGHT PLANS DURING THE PERIOD FROM 15 TO 17 AUGUST 2011. THE RESULTS OF THEIR INVESTIGATIONS SHOULD BE COMPILED USING THE FORM ATTACHED TO THE REPORT, AND COMMUNICATED TO THE RELEVANT ICAO REGIONAL OFFICES.</p>
<b>DRAFT CONCLUSION 4/14</b>	<p><b>INVESTIGATIONS ON THE LOSS OF AFTN MESSAGES IN THE AFI REGION</b></p> <p>THAT IN ORDER TO FURTHER ANALYZE AND MITIGATE THE LOSS OF AFTN MESSAGES, INCLUDING FLIGHT PLAN MESSAGES IN THE REGION, AFI AFTN CENTRES CARRY OUT A THREE-DAY SURVEY ON AFTN PERFORMANCE FROM 15 TO 17 AUGUST 2011 (INCLUSIVE), USING THE FORMS AND MODEL MESSAGES TO BE CIRCULATED BY THE SECRETARIAT. IN SO DOING, THEY SHOULD:</p> <ol style="list-style-type: none"> <li>1) USE THE AFTN ADDRESSES OF THEIR CORRESPONDENT ATSUS IN THE AFI REGION;</li> <li>2) PROVIDE AVAILABILITY OF THE AFTN CIRCUIT(S) INVOLVED, BASED ON THE IMPLEMENTED ROUTING CONFIGURATION; AND</li> <li>3) PROVIDE TRANSIT TIMES.</li> </ol> <p>NOTE: THE RESULTS OF THE AFTN SURVEY SHOULD BE SENT TO THE RELEVANT ICAO REGIONAL OFFICE BY 25 AUGUST 2011.</p>
<b>AGENDA ITEM 5 - AERONAUTICAL MOBILE SERVICE (AMS)</b>	
<b>DRAFT CONCLUSION 4/15</b>	<p><b>ADOPTION OF THE GLOBAL OPERATIONAL DATA LINK DOCUMENT (GOLD)</b></p> <p>THAT IN ORDER TO ENSURE REGIONAL AND GLOBAL HARMONIZATION OF DATA LINK OPERATIONS, THE GOLD BE ADOPTED FOR THE AFI REGION, IN REPLACEMENT OF THE FANS 1/A OPERATIONS MANUAL.</p> <p>NOTE: SOUTH AFRICA COORDINATES THE MAINTENANCE OF THE GOLD FOR THE AFI REGION.</p>
<b>AGENDA ITEM 6 - AERONAUTICAL RADIO NAVIGATION SERVICE (ARNS)</b>	
<b>DRAFT CONCLUSION 4/16</b>	<p><b>UPDATED AFI GNSS STRATEGY</b></p> <p>THAT THE AFI GNSS STRATEGY BE REVISED AS SHOWN AT <b>APPENDIX H</b> TO THIS REPORT.</p>
<b>AGENDA ITEM 7 - AERONAUTICAL SURVEILLANCE (AS)</b>	
<b>DRAFT DECISION 4/17</b>	<p><b>ESTABLISHMENT OF AN AD HOC GROUP TO FINALIZE THE DRAFT AFI SURVEILLANCE STRATEGY</b></p> <p>THAT AN AD HOC WORKING GROUP BE ESTABLISHED TO FINALIZE OPERATIONAL INPUTS TO THE DRAFT THE AFI SURVEILLANCE IMPLEMENTATION STRATEGY SHOWN AT <b>APPENDIX I</b> TO THIS REPORT; AND THE FINALIZED DRAFT STRATEGY BE SUBMITTED TO APIRG/18 FOR ADOPTION.</p>
<b>AGENDA ITEM 8 - AERONAUTICAL RADIO FREQUENCY SPECTRUM ISSUES</b>	

<b>DRAFT CONC./DEC. NO.</b>	<b>TITLE/TEXT</b>
<b>DRAFT CONCLUSION 4/18</b>	<b>IMPLEMENTATION OF AFI FMG ACTION PLAN</b> THAT AFI STATES AND ORGANIZATIONS IMPLEMENT THE ACTION PLAN PROPOSED BY THE AFI FREQUENCY MANAGEMENT GROUP AS SHOWN AT <b>APPENDIX J</b> TO THIS REPORT.
<b>AGENDA ITEM 9 - ICAO 37<sup>TH</sup> ASSEMBLY (2010) AND TWELFTH AIR NAVIGATION CONFERENCE (AN/CONF/12, 2012) – CNS RELATED ISSUES</b>	
<b>DRAFT CONCLUSION 4/19</b>	<b>IMPORTANCE OF THE INFORMATION ON AIRCRAFT EQUIPAGE IN AIR NAVIGATION SYSTEM PLANNING AND IMPLEMENTATION</b> THAT, WHEN MAKING THEIR DECISIONS WITH RESPECT TO THE PLANNING AND IMPLEMENTATION OF AIR NAVIGATION SYSTEMS, AFI STATES SHOULD TAKE DUE ACCOUNT OF AVAILABLE AND RELIABLE DATA AND FORECAST ON AIRCRAFT LEVEL OF EQUIPAGE AND CAPABILITIES.
<b>DRAFT CONCLUSION 4/20</b>	<b>AFI STATES' REGISTERED AIRCRAFT EQUIPAGE AND CAPABILITIES</b> THAT, AFI STATES SHOULD SUPPORT SURVEYS CONDUCTED ON AIRCRAFT EQUIPAGE AND CAPABILITIES BY PROVIDING THE ICAO REGIONAL OFFICES WITH DETAILED INFORMATION CONCERNING THEIR REGISTERED AIRCRAFT.
<b>AGENDA ITEM 10 - FUTURE WORK PROGRAMME AND COMPOSITION OF THE CNS/SG</b>	
<b>DRAFT DECISION 4/21</b>	<b>FUTURE WORK PROGRAMME FOR THE CNS SUB-GROUP</b> THAT THE FUTURE WORK PROGRAMME AND COMPOSITION OF THE CNS SUB-GROUP BE AMENDED AS SHOWN AT <b>APPENDIX M</b> TO THIS REPORT.

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