

**PROGRAM FOR ITSO/ITU WORKSHOP ON SATELLITE COMMUNICATIONS: AFRALTI, Nairobi, June 8-12, 2015**

Time	Day 1, June 8	Day 2, June 9	Day 3, June 10	Day 4, June 11	Day 5, June 12
08.30-09.00	<b>Opening Session</b>				
09.00-10.30	<b>M1: Basics of Satellite Communications –by ITSO</b> <ul style="list-style-type: none"> <li>• Birth of Satellite</li> <li>• Communication Links</li> <li>• Satellite Orbits</li> <li>• Orbital Positions and Radio Interference</li> <li>• Satellite Lifecycle Management</li> </ul>	<b>M2: Policy and Regulatory Guidelines for Satellite Services -by ITSO</b> <ul style="list-style-type: none"> <li>• Radio regulatory organizations</li> <li>• Satellite policy principles</li> </ul>	<b>M3: Network Planning &amp; Link Budget Analysis - by ITSO</b> <ul style="list-style-type: none"> <li>• Satellite Network Topology</li> <li>• Access Schemes</li> </ul>	<b>M4: VSAT Installation and Maintenance –by ITSO</b> <b>INSTALLATION:</b> <ul style="list-style-type: none"> <li>• Site Survey</li> <li>• Antenna Alignment</li> <li>• Configuring the IDU</li> <li>• Satellite Dish Assembly</li> <li>• Satellite Pointing</li> </ul>	<b>Radio Regulations (Cont'd) –by ITU</b> <ul style="list-style-type: none"> <li>• Capture, Validation and Submission of Earth Stations</li> </ul>
10.30-11.00	<b>Morning Health Break</b>	<b>Morning Health Break</b>	<b>Morning Health Break</b>	<b>Morning Health Break</b>	<b>Morning Health Break</b>
11.00-12.30	<b>M1: Basics of Satellite Communications (Cont'd)- by ITSO</b> <ul style="list-style-type: none"> <li>• The Space Segment</li> <li>• The Ground Segment</li> <li>• Introduction to Radio Regulations</li> <li>• Services</li> <li>• Technology Trends</li> </ul>	<b>M2: Policy and Regulatory Guidelines for Satellite Services (Cont'd) –by ITSO</b> <ul style="list-style-type: none"> <li>• Legal Framework</li> <li>• Key regulatory and licensing trends</li> <li>• Means of monitoring and controlling the spectrum</li> </ul>	<b>M3: Network Planning &amp; Link Budget Analysis (Cont'd)-by ITSO</b> <ul style="list-style-type: none"> <li>• C Band vs Ku/Ka Band</li> <li>• Digital Communications Techniques</li> <li>• Modulation</li> <li>• VSAT and Data Communications</li> </ul>	<b>M4: VSAT Installation and Maintenance (Cont'd)- by ITSO</b> <b>MAINTENANCE:</b> <ul style="list-style-type: none"> <li>• Preventive Maintenance</li> <li>• Troubleshooting</li> <li>• Service Level Agreement</li> <li>• Escalation Procedure</li> </ul>	<b>M5: VSAT Equipment and Bandwidth Procurement- by ITSO</b> <ul style="list-style-type: none"> <li>• Defining your needs:</li> <li>• Acquiring the VSAT</li> </ul>
12.30-14.00	<b>Lunch Break</b>	<b>Lunch Break</b>	<b>Lunch Break</b>	<b>Lunch Break</b>	<b>Lunch Break</b>
14.00-15.30	<b>Radio Regulations- by ITU</b> <ul style="list-style-type: none"> <li>• Overview</li> <li>• Orbital Spectrum –International Regulatory Framework</li> <li>• Space FSS and BSS Plans</li> </ul>	<b>Radio Regulations (Cont'd) - by ITU</b> <ul style="list-style-type: none"> <li>• Receivability of Space Notices;</li> <li>• Notification and Recording of Assignments;</li> </ul>	<b>M3: Network Planning &amp; Link Budget Analysis (Cont'd) –by ITSO</b> <ul style="list-style-type: none"> <li>• Link Budget Analysis</li> </ul>	<b>Radio Regulations (Cont'd)- by ITU</b> <ul style="list-style-type: none"> <li>• BR IFIC on DVD-ROM, Space Website, Preface</li> <li>• SpaceWisc</li> </ul>	<b>M6: WRC-15 Issues -by ITSO+ITU</b> <ul style="list-style-type: none"> <li>• WRC -15 Key Agenda Items</li> <li>• WRC -15 Preparatory meetings</li> <li>• WRC - 18 Preparations <b>(Joint ITSO/ITU Session)</b></li> </ul>
15.30-15.45	<b>Aft'noon Health Break</b>	<b>Aft'noon Health Break</b>	<b>Aft'noon Health Break</b>	<b>Afternoon Health Break</b>	<b>Afternoon Health Break</b>
15.45-16.30	<b>Radio Regulations (Cont'd) - by ITU</b> <ul style="list-style-type: none"> <li>• Non Planned Satellite Services (Coordination and Notification)</li> </ul>	<ul style="list-style-type: none"> <li>• BR Space Software and Database –by ITU</li> <li>• Submission of Comments using SpaceCom –by ITU</li> </ul>	<ul style="list-style-type: none"> <li>• Link Budget Analysis (Cont'd) (by ITSO)</li> </ul>	<b>Radio Regulations (Cont'd)- by ITU</b> <ul style="list-style-type: none"> <li>• Earth Station Coordination and Tools</li> </ul>	<b>Joint ITSO/ITU Wrap Up Session</b>