



Implementation Status of ATU-R Programmes based on the ATU Strategic Plan 2019 to 2022 and arising matters

Action programme	Objective	General status
1. African Spectrum Allocation Plan (AfriSAP)	To develop the 1st Edition of the African Spectrum Plan (AfriSAP)	The Plan was developed. [It was published in September 2021].
2. Harmonization of Frequencies for Emergency Telecoms (PPDR)	To harmonize Frequencies for Emergency Telecoms (PPDR) by establishing a set of ET harmonised frequencies for Africa	This work was placed under AfriSAP. It is Annex E of the Plan. Its status is as per above.
3. Satellite Resources Strategy for Africa	To: (1) undertake a study of the state of Satellite Resources for Africa and (2) develop Strategy for Optimum Acquisition, Retention and Use of the Satellite Resources in Africa ; and (3) ATU Handbook on Satellite Filing and Coordination	All three documents were developed. [They were published in September 2021].
4. Satellite licensing model framework for Africa,	To develop a Harmonised (model) Framework for Licensing of Satellite Services in Africa.	The preliminary draft documents have been developed via consultancy. APM23-2 will set up dedicated task groups to review draft documents. After which, Member States will be invited to review the documents which will be followed by a validation forum. Completion is expected at end of December 2021. This programme ought to be implemented by 31 July 2022. The general implementation outlook is positive.
5. Strategy for introduction of digital sound broadcasting in Africa	To: (1) undertake a study of the state of Digital Sound Broadcasting in Africa , and (2) develop a Strategy for the introduction/promotion of Digital Sound Broadcasting in Africa.	
6. Contribute towards the development of	To develop recommendations on 5G implementation in Africa.	The recommendation was developed alongside other emerging radiocommunications technologies, namely: HAPS; Satellite

<p>an African 5G Strategy</p>		<p>Applications; and Wi-Fi in 6GHz, WiGig in 60GHz and 5G NR-U. It was published in August 2021.</p>
<p>7. Spectrum recommendations (toolkits)</p>	<p>To develop <i>Spectrum Management Recommendations</i> in the following areas:</p> <ul style="list-style-type: none"> a) Spectrum management b) Spectrum licensing c) Spectrum evolution d) Spectrum use audits 	<p>Work on Phase I (Mobile Services) was completed. The outcomes of that culminated into the official launch of the first set of ATU-R Recommendations 001-0 to 004-0. The official launch took place on 22 April 2021. The documents were published in May 2021.</p> <p>Work on Phase 2 (Satellite services) will commence soon as after APM23-2.</p> <p>This programme ought to be implemented by 31 July 2022.</p> <p>The general implementation outlook is positive.</p>
<p>8. Optimization of the GE84 (the FM Sound broadcasting plan)</p>	<p>To optimize the GE84 (the FM broadcasting frequency) Plan for Africa in order to have additional frequencies.</p>	<p>Work commenced with training workshops on the optimization tools. The 1st and 2nd frequency planning and coordination meetings took place. 3rd meeting takes place 24-28 January 2021. Completion is expected at the end of March 2022. General outlook is good.</p> <p>This programme ought to be implemented by 31 July 2022.</p> <p>The general implementation outlook is positive.</p>
<p>9. Capacity building in preparations of work on economic aspects of spectrum</p>	<p>To equip radiocommunications experts with key knowledge in preparations for studies and development of guidelines on the economic aspects of the allocation and use of the radio spectrum</p>	<p>ATU sponsored a certificated course in “Economic and Market-Based Methods of Radio Frequency Spectrum Management” which was run by two of ITU’s Centres of Excellence in Africa – AFRALTI and ESMT. Each Member State was offered two slots. A total of 93 experts were trained. The Course was run successfully and certificates have been awarded. It is expected that the Secretariat will follow up with the trainees on implementation of the training recommendations.</p> <p>A similar course is planned for this financial year. It will involve satellite coordination and notification.</p>

		<p>This programme ought to be implemented on an on-going basis.</p> <p>The general implementation outlook is positive.</p>
10. Recommendations to promote Rural connectivity	To develop recommendations on how <i>spectrum policy, regulations and practices</i> could be used to promote rural ICT connectivity in Africa.	<p>A dedicated task group has been established to develop a draft recommendation. First meeting take place 4 to 6 August 2021. This meeting adopted the Report on Spectrum Policies for Rural Connectivity in Africa. [This report was published in September 2021].</p> <p>This programme ought to be implemented by 31 July 2022.</p> <p>The general implementation outlook is positive.</p>
11. Preparations for WRC-23	To coordinate the African preparations for WRC-23 in order to develop African common positions and proposals.	<p>1st ATU Prep Meeting for WRC-23 (APM23) took place in September last year. The second meeting is taking place 6 to 10 September 2021. The seven ATU WRC-23 Working Groups' meeting took place July/August. The role of the Working Groups is to prepare recommendations to APMs. Indeed, their first meetings produced recommendations to APM23-2 on their respective agenda items.</p> <p>The general implementation outlook is positive.</p>
12.	As part of the strategies and actions to support the continental strategy on COVID-19 pandemic, the said meeting approved an Action Plan on ICT Sector COVID 19 Response in which one of the short-term action items is " <i>empower Member States with options on how the radio spectrum bandwidth can be exceptionally released to (and used by) Member States' operators to enhance mobile broadband connectivity during the crisis in order to meet the increased demand.</i> "	<p>The paper was developed. It was published in May 2020.</p>

	<p>Pursuant to the above stated Action Plan, the ATU has developed a paper on the possible Options and Factors for Consideration on Apecial Spectrum Release or System Authorization in the Fight against COVID-19 and the Mitigation of its Impact.</p>	
<p>13. Recommendations on implementation of Emerging Technologies</p>	<p>As part of the strategies and actions to support the continental strategy on COVID-19 pandemic, the AUC adopted an Action Plan on ICT Sector COVID 19 Response in which one of the long-term action items is <i>“efforts to [promote] and harness the potential of emerging technologies such [...] IoT and 5G/IMT-2020 to improve people lives in Africa.”</i></p> <p>Pursuant to the above stated Action Plan, the ATU has developed a Recommendation on the Implementation of Emerging Radiocommunication Technologies in Africa Relating to 5G/IMT-2020; HAPS; Satellite Applications; and Wi-Fi in 6GHz, WiGig in 60GHz and 5G NR-U.</p>	<p>The recommendation was developed. It was published in August 2021.</p>