



African Common Proposals

PROPOSALS FOR THE WORK OF THE CONFERENCE

Agenda item 1.3

1.3 to consider primary allocation of the frequency band 3 600-3 800 MHz to the mobile service in Region 1 and take appropriate regulatory actions, in accordance with Resolution **246 (WRC-19)**;

Introduction

This proposal presents the African common proposal (AFCP) from the African group on this agenda item, as summarised below:

1. Adopt, as a matter of compromise, the following:
 - a. Upgrade the allocation of the frequency band 3 600-3 800 MHz in Region 1 to the mobile service on a primary basis in the Table of Frequency Allocation
 - b. IMT identification with two footnotes proposing IMT identification in the frequency bands 3 600-3 700 MHz and also 3 600-3 800 MHz; countries can consider joining the respective footnote depending on their requirement.
 - c. Technical conditions for IMT in line with those applicable to the frequency band 3 400-3 600 MHz today (i.e. footnote RR No. **5.430A**).
 - d. Implementation of the Coordination Agreement can be undertaken through the Harmonized Calculation Method for Africa (HCM4A) Agreement, signed by the majority of African Administrations,
2. Address the protection of the existing satellite services operating in the C-Band such as aeronautical radio services by the following mechanism:
 - a. Develop an implementation strategy including proposals on possible migration mechanism such as Migration Timelines and some form of compensation in lieu of the out-of-band migration that administrations may consider. Such compensation mechanisms could include arrangements where a portion of the fund accruing from the awarding of the IMT spectrum in the frequency band 3 600-3 800 MHz for the replacement of existing “obsolete” infrastructure on new frequency bands above 3 800 MHz.

- b. Determine a transition period for the consideration of administrations during which IMT services shall not be deployed within some defined distances from aviation installations (exclusion zones) to protect the existing services which provide safety of life communications.

ARTICLE 5

Frequency allocations

Section IV – Table of Frequency Allocations
(See No. 2.1)

MOD AFCP/6045A3/1

2 700-3 600 MHz

Allocation to services		
Region 1	Region 2	Region 3
3 400-3 600 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile MOD 5.430A Radiolocation 5.431	3 400-3 500 FIXED FIXED-SATELLITE (space-to- Earth) MOBILE except aeronautical mobile 5.431A 5.431B Amateur Radiolocation 5.433 5.282	3 400-3 500 FIXED FIXED-SATELLITE (space-to- Earth) Amateur Mobile 5.432 5.432B Radiolocation 5.433 5.282 5.432A
	3 500-3 600 FIXED FIXED-SATELLITE (space-to- Earth) MOBILE except aeronautical mobile 5.431B Radiolocation 5.433	3 500-3 600 FIXED FIXED-SATELLITE (space-to- Earth) MOBILE except aeronautical mobile 5.433A Radiolocation 5.433

MOD AFCP/6045A3/2

5.430A The allocation of the frequency band 3 400-~~3 600~~ 3 800 MHz in Region 1 to the mobile, except aeronautical mobile, service is subject to agreement obtained under No. **9.21**. ~~This~~^{is} frequency band 3 400-3 600 MHz in Region 1 is identified for International Mobile Telecommunications (IMT). This identification does not preclude the use of this frequency band by any application of the services to which it is allocated and does not establish priority in the Radio Regulations. In the frequency band 3 400-3 800 MHz in Region 1, ~~T~~he provisions of Nos. **9.17** and **9.18** shall also apply in the coordination phase. Before an administration brings into use a (base or mobile) station of the mobile service in this frequency band, it shall ensure that the power flux-density (pfd) produced at 3 m above ground does not exceed $-154.5 \text{ dB(W/(m}^2 \cdot 4 \text{ kHz))}$ for more than 20% of time at the border of the territory of any other administration. This limit may be exceeded on the territory of any country whose administration has so agreed. In order to ensure that the pfd limit at the border of the territory of any other administration is met, the calculations and verification shall be made, taking into account all relevant information, with the mutual agreement of both administrations (the administration responsible for the terrestrial station and the administration responsible for the earth station) and with the assistance of the Bureau if so requested. In case of disagreement, calculation and verification of the pfd shall be made by the Bureau, taking into account the information referred to above. Stations of the mobile service in the

frequency band 3 400-~~3 600-3 800~~ MHz in Region 1 shall not claim more protection from space stations than that provided in Table 21-4 of the Radio Regulations (Edition of 2004). (WRC-1523)

MOD AFCP/6045A3/3

3 600-4 800 MHz

Allocation to services		
Region 1	Region 2	Region 3
<p>3 600-4 200 3 800</p> <p>FIXED FIXED-SATELLITE (space-to-Earth) Mobile <u>MOBILE MOD 5.430A ADD 5.D13-D1 ADD 5.D13-D2</u></p>	<p>3 600-3 700</p> <p>FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.434 Radiolocation 5.433</p>	<p>3 600-3 700</p> <p>FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile Radiolocation 5.435</p>
<p>3 600 3 800-4 200</p> <p>FIXED FIXED-SATELLITE (space-to-Earth) Mobile</p>	<p>3 700-4 200</p> <p>FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile</p>	

ADD AFCP/6045A3/4

5.D13-D1 In [Country A, Country B, Country C, ...] ~~the frequency band 3 600-3 700 MHz, or portions thereof, is~~ identified for use by administrations in Region 1 wishing to implement International Mobile Telecommunications (IMT). This identification does not preclude the use of this frequency band by any application of the services to which they are allocated and does not establish priority in the Radio Regulations. No. 5.430A applies. (WRC-23)

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ADD AFCP/6045A3/5

5.D13-D2 In [Country 1, Country 2, Country 3, ...] ~~the frequency band 3 700-3 800 MHz, or portions thereof, are is~~ identified for use by administrations in Region 1 wishing to implement International Mobile Telecommunications (IMT). This identification does not preclude the use of this frequency band by any application of the services to which they are allocated and does not establish priority in the Radio Regulations. No. 5.430A applies. (WRC-23)

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Reasons: As outlined in the introduction to this proposal.