1st ITU INTER-REGIONAL WORKSHOP ON WRC-15 PREPARATION (Geneva, 4 – 5 December 2013)

Arab Spectrum Management Group and Agenda Items of the **WRC-15**

> **ASMG** December 2013















Arab Spectrum Management Group & Agenda Items of the WRC-15

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Structure of ASMG

Arab Spectrum Management Group (ASMG)

- The ASMG was established by the Arab Ministerial Council for ICT to cooperate and collaborate in the filed of Spectrum Management and preparation to Radio Conferences.
- The twenty two Arab States utilize this platform for the following major activities:-
 - Coordinate among the Member States on all issues related to the Spectrum Management, including sharing views on the emerging radio aspects.
 - Negotiating to develop common Arab proposals for the agenda items of World Radio Conferences (WRC) held every four years at the ITU.
 - Preparing common contributions for the meetings of the ITU-R Study Groups and Working Parties.

ASMG Management Team

Chairman



Mr. Tariq Al Awadhi



Dr. Alsayed Azzouz Vice-Chairman



Mr. Mustafa Bessi Vice-Chairman



Mr. Yousuf AlBelushi Vice-Chairman



Mr. Mustafa Abdelhafiz Vice-Chairman



Dr. Imad Hoballah Vice-Chairman

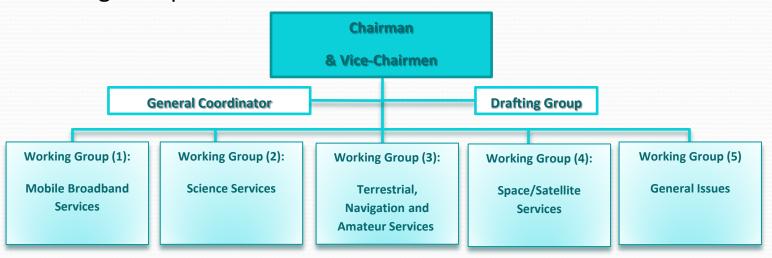


Mr. Samir Arroudj Vice-Chairman

ASMG Structure

The new Structure of the ASMG consists of:

- ASMG Management Team (Chairman and Vice-Chairmen),
- 5 Working Groups
- General Coordinator
- Drafting Group



ASMG Working Groups

Chairmen and Attributions of WRC-15 Agenda Items

WG	WG Title	WRC-15 Agenda Items	WG Chairman
1	Mobile Broadband Services	1.1, 1.2, 1.3	Mr. Sultan AlBalooshi (UAE)
2	Science Services	1.11, 1.12, 1.13, 1.14, 9.1.8	Ms. Jenane Karam (Lebanon)
3	Terrestrial, Navigation and Amateur Services	1.4, 1.5, 1.14, 1.15, 1.16, 1.17, 1.18	Mr. Wael Sayed (Egypt)
4	Space/Satellite Services	1.6, 1.7, 1.8, 1.9.1, 1.9.2, 1.10, 7, 9.1.1, 9.1.2, 9.1.3, 9.1.5, 9.3	Mr. Khaled Al Awadi (UAE)
5	General Issues	2, 4, 9.1.4, 9.1.6, 9.1.7, 10	Mr. G. Gasmallah (Sudan)

Responsibilities of Chairmen of Working Group

- Follow up on the activities of the responsible and relevant Study Groups and related Working Parties in the ITU-R about the relevant agenda items under his/her WG.
- Follow up on issues which are studied in the Study Groups and related Working Parties in the ITU-R falling under the specialization of the WG.
- Prepare a comprehensive report after each Study Group and related Working Parties meeting about the activities related to the WRC agenda items based on Coordinators reports, as well as the other issues which are studied and distribute the report to the Arab administrations via the ASMG Chairman in order to be studied by them and discussed in the ASMG meetings.
- Follow up on the results of the other regional groups meetings, and being aware of their position in order to analyze them and coordinate with them about the WRC activities and participate in the regional groups meetings whenever is required.
- Submit proposal about the WRC agenda item to the ASMG meeting based on the results of the studies.

ASMG Mechanism of Work

ASMG WRC Preparations

- The ASMG during the ITU-R Study Cycle between the two WRC Conferences meets at least once every year.
- In the beginning of this Study Cycle, the ASMG:
 - Elects the ASMG Management Team when necessary.
 - Establishes the working groups and assigns a chairman for each of them.
 - Attributes WRC Agenda Items to the relevant working group.
 - Assigns Coordinator each of the WRC Agenda Items.
- During the ASMG meeting the team:
 - Considers the reports by each of the above Working Groups' Chairmen as well as the other contributions from members sent to the meeting,
 - Discusses and analyses the different issues in relation to each of the WRC Agenda Items.
 - Updates the Common ASMG Positions from each of the WRC Agenda Items accordingly.

ASMG WRC Preparations

- The ASMG Mechanism for Preparing Arab Common Proposals:
 - The working document which have approvals of 9 Arab Administrations at least is considered as an Arab Common Proposal.
 - A Drafting Group is formed in order to finalize the common proposals before the submission to the WRC
 - During the last meeting of ASMG before the WRC, Arab Administrations will sign the agreed on common proposals for the WRC Agenda Items with the authority delegated to them in order to send the Arab Common Proposals to the WRC.
 - After Finalizing the Arab Common Proposals, they will be sent to the ITU as WRC Contributions in addition to the table which shows the WRC Agenda Items and the approving Administrations to each Agenda Item.

ASMG Initial Positions to WRC-15 Agenda Items



Mobile and Amateur

Mohammed Al-Abdulqader - ARS

"to consider additional spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for International Mobile Telecommunications (IMT) and related regulatory provisions, to facilitate the development of terrestrial mobile broadband applications, in accordance with Resolution 233 (WRC-12)"

- ITU-R Responsible Group: JTG 4-5-6-7
- ASMG Position:
 - Follow up the current studies
 - Ensuring Administrations on participation and submitting contributions to the relevant Study Groups and working parties.
 - Some bands has been agreed to be excluded from the compatibility studies.

- "to examine the results of ITU-R studies, in accordance with Resolution 232 (WRC-12), on the use of the frequency band 694-790 MHz by the mobile, except aeronautical mobile, service in Region 1 and take the appropriate measures"
- ITU-R Responsible Group: JTG 4-5-6-7
- ASMG Position:
 - Follow up current studies and work on developing compatibility studies.
 - Support the UAE channeling arrangement in the 700 MHz band.

issue (A) lower edge determination

 Support the lower edge determination to be set at 694 MHz and to protect the Broadcasting channel # 48.

<u>Issue B protection of broadcasting service</u>

- GE-o6 protecting BS and no additional regulatory is required.
- Provision 9.21 is not acceptable.
- Support the first method and strongly oppose method 3 of the CPM

- "to review and revise Resolution 646 (Rev.WRC-12) for broadband public protection and disaster relief (PPDR), in accordance with Resolution 648 (WRC-12)"
- ITU-R Responsible Group: WP 5A
- ASMG Position:
 - Follow up the current studies.
 - Support the NOC Change to the Resolution 646.
 - Oppose the proposal to identify the band 806-824 / 851-869 MHz for PPDR.



- "to consider possible new allocation to the amateur service on a secondary basis within the band 5 250-5 450 kHz in accordance with Resolution 649 (WRC-12)"
- ITU-R Responsible Group: WP 5A
- ASMG Position:
 - The band 5250-5450 MHz is heavily used in the Arab countries; therefore, preliminary position no support to Amateur services in this Band.
 - Follow up the current studies within activities of WP 5A and wait for studies results.



Aeronautical, Maritime and Radiolocation issues

Riyad Ehlial - UAE

- "to consider the use of frequency bands allocated to the fixed-satellite service not subject to Appendices 30, 30A and 30B for the control and non-payload communications of unmanned aircraft systems (UAS) in non-segregated airspaces, in accordance with Resolution 153 (WRC-12)"
- ITU-R Responsible Group: WP 5B
- ASMG Position:
 - Follow up the current studies with focus on frequency bands allocated to the fixedsatellite service not subject to Appendices 30, 30A and 30B.
 - Focus on protection of the existing services via providing the necessary regulatory, technical and operational regulations for using FSS allocations for safe operating the nonpayload communications of unmanned aircraft systems (UAS) in non-segregated airspaces within activities of WP 5B.



- "to consider spectrum demands for on-board communication stations in the maritime mobile service in accordance with Resolution 358 (WRC-12)"
- ITU-R Responsible Group: WP 5B
- ASMG Position:
 - Follow up the current studies with ensuring the protection of the existing services in this band, especially the mobile service.
 - Request the Arab administrations to review the frequencies in the footnote 5.287 and provide their proposals to the next ASMG meeting.



- "to consider regulatory provisions and spectrum allocations to enable possible new Automatic Identification System (AIS) technology applications and possible new applications to improve maritime radiocommunication in accordance with Resolution 360 (WRC-12)"
- ITU-R Responsible Group: WP 5B
- ASMG Position:
 - Follow up the current studies about the regulatory provisions and spectrum requirements to enable possible new Automatic Identification System (AIS) technology applications and possible new applications to improve maritime radiocommunications and work on protection of the current AIS systems operations and other existing services.
 - Encourage Arab administrations to coordinate with the Maritime Safety relevant entities with this regard.



- "to consider possible spectrum requirements and regulatory actions, including appropriate aeronautical allocations, to support wireless avionics intracommunications (WAIC), in accordance with Resolution 423 (WRC-12)"
- ITU-R Responsible Group: WP 5B
- ASMG Position:
 - Follow up the current studies and work on studying the candidate bands in order to support wireless avionics intra-communications (WAIC), with ensuring the protection of the operating systems according to the current allocations.
 - Support the application to be under the Aeronautical mobile route service.

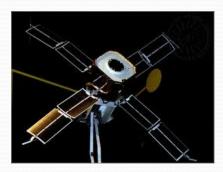


- "to consider a primary allocation to the radiolocation service for automotive applications in the 77.5-78.0 GHz frequency band in accordance with Resolution 654 (WRC-12)"
- ITU-R Responsible Group: WP 5B (invites 1& 2), WP 5A (Invites 1)
- ASMG Position:
 - Support new allocations to the radiolocation service limited for automotive application in the band 77.5 – 78 GHz.
 - Follow up the current studies especially sharing studies, regulatory solutions in the band 77.5-78 GHz in addition to the compatibility studies with other services in the adjacent bands 76-77.5 GHz taking into consideration protection of the existing services in this band.

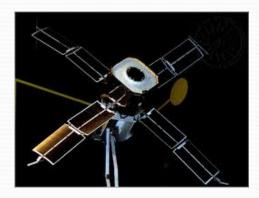
Science issues

Jinane Karam - LBN

- "to consider a primary allocation for the Earth exploration-satellite service (Earth-to-space) in the 7-8 GHz range, in accordance with Resolution 650 (WRC-12)"
- ITU-R Responsible Group: WP 7B
- ASMG Position:
 - Not supporting a primary allocation for the Earth exploration-satellite service (Earth-to-space) in the 7-8 GHz range in order to protect the existing services because of heavy use of terrestrial fixed services in this band.
 - Follow up the studies in WP 7B
 - Prepare proposal to WP 7B to include NOC method.



- "to consider an extension of the current worldwide allocation to the Earth exploration-satellite (active) service in the frequency band 9 300-9 900 MHz by up to 600 MHz within the frequency bands 8 700-9 300 MHz and/or 9 900-10 500 MHz, in accordance with Resolution 651 (WRC-12)"
- ITU-R Responsible Group: WP 7C
- ASMG Position:
 - Not supporting an extension of the current worldwide allocation to the Earth explorationsatellite (active) service because of heavy use of terrestrial fixed services in these candidate bands.
 - Follow up the current studies.



- "to review No. 5.268 with a view to examining the possibility for increasing the 5 km distance limitation and allowing space research service (space-to-space) use for proximity operations by space vehicles communicating with an orbiting manned space vehicle, in accordance with Resolution 652 (WRC-12)"
- ITU-R Responsible Group: WP 7B
- ASMG Position:
 - Support increase or removal the 5 Km distance limitation, with maintaining the current PFD limits in 5.268 to ensure the protection of operational terrestrial stations in the fixed and mobile services
 - Follow up the current studies in the WP 7B about the sharing studies between space research service (space-to-space) systems use for proximity operations by space vehicles communicating with an orbiting manned space vehicle and the operational systems in the fixed and mobile (except aeronautical) services in the band 410-420 MHz.

- "to consider the feasibility of achieving a continuous reference time-scale, whether by the modification of coordinated universal time (UTC) or some other method, and take appropriate action, in accordance with Resolution 653 (WRC-12)"
- ITU-R Responsible Group: WP 7A
- ASMG Position:
 - Follow up the current studies in WP 7A.
 - Invite the concerned entities in each country to provide their advice on the change on the UTC.



- "to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:
 - 9.1 on the activities of the Radiocommunication Sector since WRC-12
 - 9.1.8 Resolution 757 (WRC-12) Regulatory aspects for nano- and picosatellites"
- ITU-R Responsible Group: WP 7B
- ASMG Position:
 - Follow up the current studies on the regulatory aspects and study the requirement for amending the regulatory procedures used for nano- and picosatellites.

Satellite allocation issues

Mohamed Al-Badi - OMN

- "to consider possible additional primary allocations:
 - 1.6.1 to the fixed-satellite service (Earth-to-space and space-to-cartn) of 250 MHz in the range between 10 GHz and 17 GHz in Region 1;
 - 1.6.2 to the fixed-satellite service (Earth-to-space) of 250 MHz in Region 2 and 300 MHz in Region 3 within the range 13-17 GHz;

and review the regulatory provisions on the current allocations to the fixed-satellite service within each range, taking into account the results of ITU-R studies, in accordance with Resolutions 151 (WRC-12) and 152 (WRC-12), respectively"

- ITU-R Responsible Group: WP 4A
- ASMG Position:
 - **1.6.1**: Follow up the current studies and ensuring the protection of the existing services without any obligations on them in the candidate bands indicated in draft ITU-R S. (R1 FSS).
- 1.6.2: Follow up the current studies and ensuring not to have any constraints on the existing services in Region 1

- "to review the use of the band 5 091-5 150 MHz by the fixed-satellite service (Earth-to-space) (limited to feeder links of the non-geostationary mobile-satellite systems in the mobile-satellite service) in accordance with Resolution 114 (Rev.WRC-12)"
- ITU-R Responsible Group: WP 4A
- ASMG Position:
 - Follow up the current studies about evaluation of co-existence between the new Systems of the Aeronautical Radionavigation service and the fixed-satellite service (Earth-to-space) in the band 5 091-5 150 MHz.

- "to review the provisions relating to earth stations located on board vessels (ESVs), based on studies conducted in accordance with Resolution 909 (WRC-12)"
- ITU-R Responsible Group: WP 4A
- ASMG Position:
 - Follow up the current studies.
 - Support NOC to the provisions of Earth Stations located on board Vessels (ESVs) operating in the Uplink bands (5925-6428 MHz & 14-14.5 GHz) and keep the current distance. To protect the existing services in these two bands.



- "to consider, in accordance with Resolution 758 (WRC-12)
 - 1.9.1 possible new allocations to the fixed-satellite service in the frequency bands 7 150-7 250 MHz (space-to-Earth) and 8 400-8 500 MHz (Earth-to-space), subject to appropriate sharing conditions "
- ITU-R Responsible Group: WP 4A
- ASMG Position:
 - Not Supporting the new allocations to the fixed-satellite service in the frequency bands 7 150-7 250 MHz and the band 8400-8500 MHz because of the heavy use of Fixed Terrestrial Services in these two bands.
 - Following up the current studies
 - Prepare proposal to WP 4A to include NOC method



- "to consider, in accordance with Resolution 758 (WRC-12)
 - 1.9.2 the possibility of allocating the bands 7 375-7 750 MHz and 8 025-8 400 MHz to the maritime-mobile satellite service and additional regulatory measures, depending on the results of appropriate studies"
- ITU-R Responsible Group: WP 4C
- ASMG Position:
 - Not Supporting the allocation to the maritime-mobile satellite service and additional regulatory measures in the frequency bands 7 150-7 250 MHz and 8 025-8 400 MHz.
 - Following up the current studies
 - Prepare proposal to WP 4C to include NOC method



- "to consider spectrum requirements and possible additional spectrum allocations for the mobile-satellite service in the Earth-to-space and space-to-Earth directions, including the satellite component for broadband applications, including International Mobile Telecommunications (IMT), within the frequency range from 22 GHz to 26 GHz, in accordance with Resolution 234 (WRC-12)"
- ITU-R Responsible Group: WP 4C
- ASMG Position:
 - Not Supporting the allocations to the MSS within the frequency range from 22 GHz to 26 GHz because most of the frequency bands in this range are allocated to terrestrial fixed and mobile services on primary basis, the frequencies of this range are heavily used by terrestrial services.
 - Follow up the current studies
 - The UAE will conduct a sharing studies and submit to WP4C



Satellite regulatory issues

Radhi Al-Hamed - ARS

- "to consider possible changes, and other options, in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference, an advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks, in accordance with Resolution 86 (Rev.WRC-07) to facilitate rational, efficient, and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit"
- ITU-R Responsible Group: WP 4A
- ASMG Position:
 - Follow up the current studies.
 - Work on supporting the enhancements to the advance publication, coordination, notification and recording procedures stated in the RR for frequency assignments pertaining to satellite networks in order to make clear for the Member States.

- "to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:
 - 9.1 on the activities of the Radiocommunication Sector since WRC-12
 - 9.1.1 Res. 205 (Rev.WRC-12) Protection of the systems operating in the mobile-satellite service in the band 406-406.1 MHz"
- ITU-R Responsible Group: WP 4C
- ASMG Position:
 - Support the protection of the systems operating in the mobile-satellite service in the band 406-406.1 MHz.
 - Follow up the current studies

- "to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:
 - 9.1 on the activities of the Radiocommunication Sector since WRC-12
 - 9.1.2 Resolution 756 (WRC-12) Studies on possible reduction of the coordination arc and technical criteria used in application of No. 9.41 in respect of coordination under No. 9.7"
- ITU-R Responsible Group: WP 4A
- ASMG Position:
 - Follow up the current studies on possible reduction of the coordination arc and technical criteria used in application of No. 9.41 in respect of coordination under No. 9.7.

- "to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:
 - 9.1 on the activities of the Radiocommunication Sector since WRC-12
 - 9.1.3 Resolution 11 (WRC-12) Use of satellite orbital positions and associated frequency spectrum to deliver international public telecommunication services in developing countries"
- ITU-R Responsible Group: WP 4A (Technical and Regulatory aspects), SC (Regulatory and Procedural aspects)
- ASMG Position:
 - Follow up the current studies

- "to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:
 - 9.1 on the activities of the Radiocommunication Sector since WRC-12
 - 9.1.5 Resolution 154 (WRC-12) Consideration of technical and regulatory actions in order to support existing and future operation of fixed-satellite service earth stations within the band 3 400-4 200 MHz, as an aid to the safe operation of aircraft and reliable distribution of meteorological information in some countries in Region 1"
- ITU-R Responsible Group: WP 4A (Technical and Regulatory aspects), SC (Regulatory and Procedural aspects)
- ASMG Position:
 - Follow up the current studies with a condition not to affect the band 3400-3600 MHz which is allocated to mobile service and identified for the IMT systems.

- "to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:
 - 9.3 "on action in response to Resolution 80 (Rev.WRC-07);

 Due diligence in applying the principles embodied in the Constitution"
- ITU-R Responsible Group:
- ASMG Position:
 - Follow up the current studies in the ITU.

General and other issues

Yaaser - SDN

- "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 the principles contained in Annex 1 to Resolution 27 (Rev.WRC-12)"
- ITU-R Responsible Group: CPM15-2
- ASMG Position:
 - Support the studies on revision of ITU-R Recommendations incorporated by Reference in the RR.

- "in accordance with Resolution 95 (Rev.WRC-07), to review the resolutions and recommendations of previous conferences with a view to their possible revision, replacement or abrogation"
- ITU-R Responsible Group: CPM15-2
- ASMG Position:
 - Support the revision of resolutions and recommendations of previous conferences.
 - Follow up the current studies.

- "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)"
- ITU-R Responsible Group: CPM15-2
- ASMG Position:
 - ASMG request Arab Administrations group to review their footnotes and propose the deletion of their country names or the deletion of country footnotes, if no longer required.

- "to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:
 - 9.1 on the activities of the Radiocommunication Sector since WRC-12
 - 9.1.4 Resolution 67 (WRC-12) Updating and rearrangement of the Radio Regulations"
- ITU-R Responsible Group: WP 1B, SC (Regulatory and Procedural aspects)
- ASMG Position:
 - Follow up the current studies and work on submitting contributions about the Updating and rearrangement of the Radio Regulations.
 - Preliminarily support the modification included in chairman report in WP1B



- "to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:
 - 9.1 on the activities of the Radiocommunication Sector since WRC-12
 - 9.1.6 Resolution 957 (WRC-12) Studies towards review of the definitions of *fixed service*, *fixed station* and *mobile station*"
- ITU-R Responsible Group: WP 1B
- ASMG Position:
 - Follow up the current studies.
 - Support no change to the definitions since it would effect the national regulatory instruments.



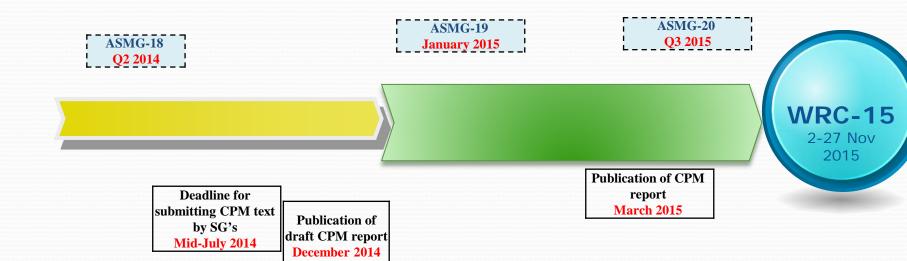
- "to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:
 - 9.1 on the activities of the Radiocommunication Sector since WRC-12
 - 9.1.7 Resolution 647 (Rev. WRC-12) Spectrum management guidelines for emergency and disaster relief radiocommunication"
- ITU-R Responsible Group: WP 1B
- ASMG Position:
 - Follow up the current studies which are towards putting up Spectrum management guidelines for emergency and disaster relief radiocommunication.

- "to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:
 - 9.2 on any difficulties or inconsistencies encountered in the application of the Radio Regulations; and
- ITU-R Responsible Group: CPM15-2
- ASMG Position:
 - Follow up the current studies.

- "to recommend to the Council items for inclusion in the agenda for the next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, in accordance with Article 7 of the Convention"
- ITU-R Responsible Group: CPM15-2
- ASMG Position:
 - Prepare contributions to this agenda item prior to the second session of the Conference Preparatory Meeting (CPM15-2) for the WRC-15.

ASMG Upcoming Meetings

ASMG Upcoming meetings



THANK YOU!

Presented by Mr. Tariq Al Awadhi

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