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| U.S. Radiocommunications SectorFact Sheet |
| **Working Party:** ITU-R WP 7B | **Document No:** US7B\_27\_007 |
| **Ref:** Resolution **680 (WRC-23)**WRC-27 Agenda Item **1.15** | **Date:** 2 February 2024 |
| **Document Title:** Draft WP 7B Work Plan for WRC-27 Agenda Item **1.15** |
| **Author(s)/Contributors(s):**Name: Scott KotlerOrg: Lockheed Martin CorporationName: Steve BaruchOrg: NWSP for Lockheed Martin CorporationName: Catherine ShamOrg: NASAName: Dennis LeeOrg: NASA (JPL) | Phone: (703) 789-3923Email: scott.kotler@LMCO.comPhone: (240) 476-2600Email: sbaruch@newwavespectrum.comPhone: (281) 483-0124Email: catherine.c.sham@nasa.govPhone: (818) 205-7623Email: dennis.k.lee@jpl.nasa.gov |
| **Purpose/Objective:** The purpose of this contribution is to develop a comprehensive work plan for WRC-27 agenda item 1.15 per Resolution **680 (WRC-23).** |
| **Abstract:** Based on the results of CPM27-1, Working Party 7B is tasked as the responsible group to perform studies and develop CPM text under WRC-27 agenda item 1.15. This draft work plan is proposed to manage the progress of the required tasks called for in Resolution **680 (WRC-23).** |
| **Fact Sheet Preparer:** Dennis Lee |

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| **Radiocommunication Study Groups** |  |
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| Received: Reference: Resolution **680 (WRC-23)** | **Document 7B/xxx** |
| **XX March 2024** |
| **English only** |
| United States of America |
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| Proposed Workplan WRC-27 Agenda Item 1.15 |

Administrative Circular [СА/270](https://www.itu.int/md/R00-CA-CIR-0270/en) of 26 January 2024 identified ITU-R Working Party 7B (WP 7B) - Space radiocommunication applications - as the responsible group for conducting studies and preparation of draft CPM text for WRC-27 agenda item 1.15, in accordance with Resolution **680 (WRC-23)**. This Circular letter also identified WP 1B, WP 3J, WP 4A, WP 4C, WP 5A, WP 5B, WP 5C, WP 5D, WP 7A, WP 7C, and WP 7D as contributing groups on this agenda item.

In accordance with Resolution **680 (WRC-23),** sharing and compatibility studies related to systems in the Space Research Service which may operate on the lunar surface, or systems in lunar orbit communicating with systems on the lunar surface that are planned for operation in the frequency ranges called out in the resolves to invite the ITU-R to complete in time for WRC-27 will need to be performed.

In the attachment, the U.S. proposes a provisional work plan to accomplish tasks under this agenda item ahead of identified milestones established in CA/270 and specifically in Resolution **680 (WRC-23).**

PROVISIONAL **WORK PLAN for WRC-27 agenda item 1.15**

1.15 to consider studies on frequency-related matters, including possible new or modified space research service (space-to-space) allocations, for future development of communications on the lunar surface and between lunar orbit and the lunar surface, in accordance with Resolution **680 (WRC‑23)**;

[Editor’s note: The tasks and schedule identified in this Work Plan were initially developed based on the timeline and milestones in CA/270. However, noting that the CPM dates have yet to be finalized and other possible factors to be accounted during this study cycle, it is recognized that this Work Plan will be reviewed at each WP 7B meeting and updated accordingly. This Work Plan will be attached to the Chairman’s Report to facilitate the work of WRC-27 AI 1.15.]

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| **2024** |
| 1st WP 7B meeting(18 – 22 March 2024) | − Send liaison statements (LS) to WP 1B, WP 3J, WP 4A, WP 4C, WP 5A, WP 5B, WP 5C, WP 5D, WP 7A, WP 7C, and WP 7D, requesting propagation models and characteristics of the existing primary services in frequency ranges in Resolution 680 (WRC-23);− Continue development of WD towards a Preliminary Draft New Report (PDNRpt) SA.[LUNAR.SRS STATIONS CHAR] on the Concept of operations, technical and operational characteristics of systems for Lunar operations;− Develop and agree on a work plan for WRC-27 Agenda Item 1.15. |
| 2nd WP 7B meeting(16 – 27 September 2024) | − Finalize and provisionally agree to Concept of operations, technical and operational characteristics in the PDN Report SA.[LUNAR.SRS STATIONS CHAR];* Develop first version of working document towards PDN Report SA.[LUNAR\_1.15\_SHARING] on spectrum needs, sharing and compatibility studies related to systems in the SRS per Res. **680** *Resolves 4*, based on input contributions;

− Analyze and respond to LS from contributing group and develop reply to LS as necessary;− Review and update the work plan as necessary. |
| **2025** |
| 3rd WP 7B meeting([TBD 2025]) | − Update WD towards PDN Report SA.[LUNAR\_1.15\_SHARING] (Annex [TBD] of Chairman’s Report 7B/[TBD]), based on input contributions;− Finalize PND Report SA.[LUNAR.SRS STATIONS CHAR] and submit to SG 7 for approval;− Send LS to contribution groups as necessary; − Initiate development of draft CPM text based on input contributions;− Initiate study referred to in Resolution **680** *invites the ITU-R 1 and 2* (initiated a WD towards a PDN Report SA.[FUTURE LUNAR SPECTRUM NEEDS]);− Review and update work plan as necessary. |
| 4th WP 7B meeting([TBD 2025]) | − Update PDN Report SA.[LUNAR\_1.15\_SHARING], based on input contributions; − Update draft CPM text based on input contributions;− Send LS to contribution groups as necessary; * Continue work on WD PDN Report SA.[FUTURE LUNAR SPECTRUM NEEDS] in accordance with Resolution **680** *invites the ITU-R 1 and 2*;

− Develop a draft Progress Report to the Director of the BR based on studies in WD PND Report SA.[FUTURE LUNAR SPECTRUM NEEDS];− Review and update work plan as necessary. |
| **2026** |
| 5th WP 7B meeting([TBD 2026]) | − Continue to work on PDN Report SA.[LUNAR\_1.15\_SHARING] based on input contributions; − Continue work on the draft CMP text based on the results of studies1;− Continue work on WD PDN Report SA.[FUTURE LUNAR SPECTRUM NEEDS] in accordance with Resolution **680** *invites the ITU-R 1 and 2*;− Send LS to contribution groups as necessary; − Update draft Progress Report2 based on studies in WD PND Report SA.[FUTURE LUNAR SPECTRUM NEEDS];− Review and update work plan as necessary.1 Final CPM text due date will be adjusted in this work plan when CPM deadline is set/announced.2 Finalization of the progress report to the Director of the BR will be adjusted as CPM deadline is set. |
| 6th WP 7B meeting([TBD 2026]) | − Finally and provisionally agreed to PDN/DN Report SA.[LUNAR\_1.15\_SHARING] for SG 7 consideration1; − Finalize and provisionally agreed on the draft CPM text for submission to theCPM2;− Continue work on WD PDN Report SA.[FUTURE LUNAR SPECTRUM NEEDS] in accordance with Resolution **680** *invites the ITU-R 1 and 2*;− Finalize Progress Report32 on the studies in WD PND Report SA.[FUTURE LUNAR SPECTRUM NEEDS];− Send LS to contribution groups as necessary; 1 Draft New Sharing Report completion will be adjusted to account for 2026 and 2027 SG 7 meeting timing.2 Final CPM text due date will be adjusted in this work plan when CPM deadline is set/announced.3 Finalization of the progress report to the Director of the BR will be adjusted as CPM deadline is set. |
| **2027** |
| 7th WP 7B meeting([TBD 2027 prior to WRC-27]) | − Finalize DN Report SA.[LUNAR\_1.15\_SHARING] for SG 7 consideration1; − Continue work on WD PDN Report SA.[FUTURE LUNAR SPECTRUM NEEDS] in accordance with Resolution **680** *invites the ITU-R 1 and 2*;− Send LS to contribution groups as necessary; − Review and update work plan as necessary.1 Draft New Sharing Report completion will be adjusted to account for 2026 and 2027 SG 7 meeting timing. |