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| **Council 2020Geneva, 9-19 June 2020** |  |
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| **Agenda item: ADM 26** | **Document C20/56-E** |
| **3 March 2020** |
| **Original: English** |
| Report by the Secretary-General |
| outcome of wrc-19 with financial implications  |

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| SummaryThe World Radiocommunication Conference (WRC-19), held in Sharm el-Sheikh, Egypt from 28 October to 22 November 2019, adopted a number of decisions including work plans and created some additional study questions for the new study cycle.As contained in the Report of the Budget Committee ([Doc. 337](https://www.itu.int/md/R16-WRC19-C-0337/en)(Rev.2), COM 3) of the World Radiocommunication Conference (WRC-19), the work of the Conference identified some areas of additional work, studies, and development for the implementation of the decisions of the Conference. The estimated costs for the completion of these new tasks are in the magnitude of CHF 1 721 000. WRC-19 requested the Secretary-General to bring this to the attention of the Council-20 session to discuss the most effective methodology for the funding of these activities as they should be concluded prior to the World Radiocommunication Conference scheduled to take place in 2023 (WRC-23). The decisions of the Conference including estimated allocations and justifications are contained in the main body of this document.The meeting of Council Working Group on Financial and Human Resources (CWG-FHR), which took place in February 2020 reviewed this matter and concluded that the request be submitted to the Council-20 session.Action requiredThe Council is invited to **authorize** the Secretary-General to take relevant measures as a matter of priority to allocate funds from annual savings generated during budget implementation in 2020, or to **call** for voluntary contribution, or a withdrawal from the Reserve Account as a last option in the next budget cycle.\_\_\_\_\_\_\_\_\_\_\_\_References[Doc. 337(Rev.2)](https://www.itu.int/md/R16-WRC19-C-0337/en), [CWG-FHR-11](https://www.itu.int/md/S20-CWGFHR11-C-0005/en)/5 |

# Introduction

The World Radiocommunication Conference, held in Sharm el-Sheikh, Egypt from 28 October to 22 November 2019, adopted some decisions on new activities, studies, and improvement of existing systems and infrastructure to enable the Radiocommunication Bureau respond in a timely manner to membership demands and also address strategic issues that will require the attention of WRC-23.

WRC-19 identified these activities as priority areas for the ITU-R and the Radiocommunication Bureau is mandated to implement these activities and report to the forthcoming Conference (WRC‑23).

As this exceeds the budget allocated to the Bureau, it is proposed that the Council consider this as a matter of priority by devising means of funding these activities, noting that the implementation timeframe is short and requires immediate action. The proposed options to be considered by the Council are outlined below:

* Authorize the Secretary-General to apply funds from savings as a matter of priority to these activities;
* Authorize the Secretary-General and the Director of the Radiocommunication Bureau to seek financial grants for part of the work involved in implementing some of the project-driven components of these decisions.
* Authorize the Secretary-General to include any recurrent expenses into the next regular budget cycle;

# Financial implications of decisions or resolutions of the Conference (WRC-19) (Document493)

Resolution 35 (WRC‑19), A milestone-based approach for the implementation of frequency assignments to space stations in a non-geostationary-orbit satellite system in specific frequency bands and services

The financial implications relating to the implementation of this draft new Resolution are estimated at CHF 340 000. The estimates relate to software development with the assistance of external resources (details in Document [453](https://www.itu.int/md/R16-WRC19-C-0453/en) and Table 1 below).

Resolution 169 (WRC-19), Use of the frequency bands 17.7-19.7 GHz and 27.5-29.5 GHz by earth stations in motion communicating with geostationary space stations in the fixed-satellite service

The financial implications relating to the implementation of this draft new Resolution are estimated at CHF 85 000 (details in Document [463](https://www.itu.int/md/R16-WRC19-C-0463/en) and Table 1 below). The estimates relate to software development costs.

Modifications to RR Nos. 9.36, 9.53A **and** Appendices 30, 30A and 30B

The financial implications relating to the modifications to RR Nos. 9.36, 9.53A,Appendices **30**, **30A** and **30B** are estimated at CHF 200 000 (details in Documents [325](https://www.itu.int/md/R16-WRC19-C-0325/en), [190](https://www.itu.int/md/R16-WRC19-C-0190/en), [332](https://www.itu.int/md/R16-WRC19-C-0332/en), [491](https://www.itu.int/md/R16-WRC19-C-0491/en), [492](https://www.itu.int/md/R16-WRC19-C-0492/en),and Table 1 below).

Resolution 245 (WRC-19), Studies on frequency-related matters for the terrestrial component of International Mobile Telecommunications (IMT) identification in the frequency bands 3 300-3 400 MHz, 3 600-3 800 MHz, 6 425-7 025 MHz, 7 025-7 125 MHz and 10.0-10.5 GHz

The financial implications relating to the implementation of this new Resolution are estimated at CHF 456 000, which includes additional meeting days, interpretation costs, and translations of technical documentation.

Resolution 235 (WRC-15), Review of the spectrum use of the frequency band 470-960 MHz in Region 1, which is referenced in agenda item 1.5 for WRC‑23 under the Review of the spectrum use of the frequency band 470-960 MHz in Region 1

The financial implications relating to the implementation of this Resolution are estimated at CHF 340 000, which includes additional meeting days, interpretation costs, and translations of technical documentation.

Resolutions and provisions adopted by WRC-19 related to WRC-19 Agenda item 1.6 (non-GSO FSS):

* New provisions RR Nos. 5.550C, 5.550E, 22.5L, 22.5M
* Resolution 769 (WRC-19), Protection of geostationary fixed-satellite service, broadcasting-satellite service, and mobile-satellite service networks from the aggregate interference produced by multiple non-GSO FSS systems in the frequency bands 37.5 39.5 GHz, 39.5-42.5 GHz, 47.2-50.2 GHz and 50.4-51.4 GHz.
* Resolution 770 (WRC-19), Application of Article 22 of the Radio Regulations to the protection of geostationary fixed-satellite service and broadcasting-satellite service networks from non-geostationary fixed-satellite service systems in the frequency bands 37.5-39.5 GHz, 39.5 42.5 GHz, 47.2-50.2 GHz and 50.4-51.4 GHz.

The financial implications relating to the implementation of regulatory provisions in response to WRC‑19 agenda items 1.6 are estimated at CHF 150 000. The costs relate to software development (details in Document [493](https://www.itu.int/md/R16-WRC19-C-0493/en) and Table 1 below).

Resolutions and provisions adopted by WRC-19 related to WRC-19 Agenda item 1.14 (HAPS):

* Resolution 122 (Rev. WRC-19) Use of the frequency bands 47.2-47.5 GHz and 47.9-48.2 GHz by high-altitude platform stations in the fixed service
* Resolution 165 (WRC‑19), Use of the frequency band 21.4-22 GHz by high-altitude platform stations in the fixed service in Region 2
* Resolution 166 (WRC‑19), Use of the frequency band 24.25-27.5 GHz by high-altitude platform stations in the fixed service in Region 2
* Resolution 167(WRC‑19), Use of the frequency band 31-31.3 GHz by high-altitude platform stations in the fixed service
* Resolution 168 (WRC‑19), Use of the frequency band 38-39.5 GHz by high altitude platform stations in the fixed service

The financial implications relating to the implementation of regulatory provisions in response to WRC‑19 agenda item 1.14 are estimated at CHF 150 000. The costs relate to software development (details in Document [450](https://www.itu.int/md/R16-WRC19-C-0450/en) and Table 1 below).

It should be noted that a number of RR provisions and Resolutions listed above requires software development for the benefit of all Member States and can therefore not be qualified as recurring expenses related to the submission of individual satellite network filings. As such, these costs did not fit within the cost recovery framework set forth in Decision 482 (Council 2019).

TABLE 1

Summary of the Estimated costs

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| **Related WRC-19 Decision(s)** | **Required Support.** | **Amount CHF** |
| Resolution 35 (WRC-19)  | Software development costs, with the assistance of external resources (new database to follow the non-GSO deployment and software to update the MIFR accordingly) | 340 000 |
| Resolution 169 (WRC-19)  | Software development costs | 85 000 |
| Modifications to RR Nos. 9.36, 9.53A, Appendices 30, 30A and 30B  | Software development costs | 200 000 |
| Resolution 245 (WRC-19) -studies  | Organizational and meeting support  | 456 000 |
| Resolution 235 (WRC-15) – studies related to agenda item 1.5 for WRC‑23 | Organizational and meeting support | 340 000 |
| Various RR provisions and Resolutions related to WRC-19 Agenda item 1.6 (non-GSO FSS)RR Nos. 5.550C, 5.550E, 22.5L, 22.5M and Resolutions 769 (WRC-19) and 770 (WRC-19) | Software development costs (implementation of the new methodology, taking benefit of any potential reuse of existing developments) | 150 000 |
| Various Resolutions related to WRC-19 Agenda item 1.14 (HAPS)Resolution 122 (Rev.WRC-19) and (WRC-19 Resolutions 165, 166, 167,168) | Software development costs, including the development of calculation modules for more than 30 technical conditions, changes in the Master Register database and filing structure according to modified RR Appendix 4 and design of dedicated notification user interface. | 150 000 |
| **Total** |  | **1 721 000** |