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| A close up of a sign  Description automatically generated | **World Radiocommunication Conference (WRC-23)Dubai, 20 November - 15 December 2023** |  |
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| PLENARY MEETING | **Addendum 8 toDocument 117-E** |
|  | **30 October 2023** |
|  | **Original: English** |
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| Indonesia (Republic of) |
| Proposals for the work of the conference |
|  |
| Agenda item 1.8 |

1.8 to consider, on the basis of ITU‑R studies in accordance with Resolution **171 (WRC‑19)**, appropriate regulatory actions, with a view to reviewing and, if necessary, revising Resolution **155** **(Rev.WRC‑19)** and No. **5.484B** to accommodate the use of fixed-satellite service networks by control and non-payload communications of unmanned aircraft systems;

Introduction

Indonesia has considered the various methods under CPM Report for WRC‑23 and taking into account the unresolved results of the discussion in APG23-6 and other related meetings, Indonesia expressed the following position below.

Indonesia supports Method A of the CPM Report for WRC‑23 to satisfy agenda item 1.8, to suppress No. **5.484B** of the Radio Regulations (RR) together with Resolution **155 (Rev**.**WRC‑19)** as well as Resolution **171 (WRC-19)**.

Proposals

ARTICLE 5

Frequency allocations

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

SUP INS/117A8/1

5.484B Resolution **155 (WRC‑15)**[[1]](#footnote-1)\* shall apply.     (WRC‑15)

SUP INS/117A8/2#1613

RESOLUTION 155 (REV.WRC‑19)

Regulatory provisions related to earth stations on board unmanned aircraft which operate with geostationary-satellite networks in the fixed-satellite
service in certain frequency bands not subject to a Plan of Appendices 30,
30A and 30B for the control and non-payload communications of
unmanned aircraft systems in non-segregated airspaces[[2]](#footnote-2)\*

SUP INS/117A8/3#1614

RESOLUTION 171 (WRC‑19)

Review and possible revision of Resolution 155 (Rev.WRC‑19) and
No. 5.484B in the frequency bands to which they apply

**Reasons:** Resolution **171 (WRC-19)** is requiring a review and possible revision of Resolution **155 (Rev.WRC-19**) since this in its current state does not enable operation of UA earth stations. This agenda item stems from agenda item 1.3 of WRC-12 and agenda item 1.5 of WRC-15 and consideration of the matter of WRC-19 which resulted in Resolution **171 (WRC-19)**. After more than ten years of extensive studies, there are still key problems that have not been resolved, in particular the contradiction between the safety nature of the operation of UAS and the non-safety status of the fixed-satellite service.
The FSS frequency bands identified in *resolves* 1 of Resolution **155 (Rev.WRC-19)** are heavily congested and interference is a regular occurrence, also into FSS networks that have completed all the frequency coordination. The communication link of the UAS CNPC via FSS consequently can be interrupted by various forms of interference and is therefore not sufficiently robust. This could negatively impact the ability to achieve the required service quality needed for safe operation and could even render it impossible to use. The interruption of the CNPC link would be an incident affecting the safety of aviation, including the safety of people.
With no satisfactory solution identified for the operation of UA earth stations, it therefore would be necessary to suppress RR No. **5.484B** together with Resolution **155 (Rev.WRC-19)** as well as Resolution **171 (WRC-19)**.

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1. \* *Note by the Secretariat:*  This Resolution was revised by WRC-19. [↑](#footnote-ref-1)
2. \* May also be used consistent with international standards and practices approved by the responsible civil aviation authority. [↑](#footnote-ref-2)