

Submission from Estonia, Latvia  
and Lithuania concerning interference  
to RNSS services

Dear Mr Maniewicz

Recognizing the efforts already done by the Bureau on solving the interference to RNSS, referring to *resolves to urge administrations 3* of Resolution 676 (WRC-676) and RR No 15.41 Estonian, Latvian and Lithuanian Administrations would like to inform You about continuing interference to RNSS services.

Lithuania has made repeated efforts to contact the authority of Russian Federation (recorded in SIRRS Case ID No. ITU2024-67625). No communication was received.

Estonia has made repeated efforts to contact the authority of Russian Federation (recorded in SIRRS Case ID No. ITU2024-67597, ITU2024-69915 and ITU2024-70134). Only acknowledgements according to RR 15.35 have been received without any other actions.

Latvia for the first time addresses BR and provides information about the degradation of the RNSS signal quality of flight traffic.

Kindly be informed, that despite all efforts regarding the harmful interference affecting RNSS services, the issue remains unresolved. The ongoing harmful interference has not ceased and continues with significant implications for safety, communication, and economic operations in Lithuania, Latvia and Estonia.

Main victims of interference are airplanes flying in the airspace of our countries near the border with Russian Federation.

Estonia is constantly monitoring interference and we are also receiving interference reports from Estonian Air Navigation Services. On the basis of this information we have detected areas of interference sources in the territory of Russian Federation in Leningrad region. Example of results can be found in Annex 1.

Lithuania reported in letter (54.1Mr)1B-2909 dated 7th of November, 2024, the recurring interference cases in the airspace over the territory of Lithuania during the time period starting from September 2024 have increased and still persist, threatening the reliability of a safety service like radionavigation-satellite service (RNSS), which affects the operation of aircrafts RNSS stations receiving GPS L1 signals at 1 575.42 MHz predominantly in heights above 10 000 feet above ground (Annex 2, Fig 1, Fig. 2).

Monitoring activities have also detected sources of interfering signals in the GLONASS L1, GALILEO G1, GPS L2, GPS L5 frequency bands. The continuity of interfering signals received indicate they could be transmitted deliberately for jamming and spoofing purposes. Monitoring data assessment

indicate the sources of all interfering signals originate in the territory of the Kaliningrad region of Russian Federation (Annex 2, Fig. 3-5).

This, in addition to Article 45 of CS breaches also Article 47 of CS: Member States agree to take the steps required to prevent the transmission or circulation of false or deceptive distress, urgency, safety or identification signals, and to collaborate in locating and identifying stations under their jurisdiction transmitting such signals.

Latvia is continuously monitoring the quality of the RNSS signal for air traffic, accumulating information on the impact on the quality in the coverage areas of the sensors located in country territory. The accumulated information since September 2024 shows a significant degradation in the quality of the RNSS signal of flight traffic. Additional information is available in Annex 3

Administrations submitting this document would like to ask the Bureau to continue efforts in accordance with the provisions of Section I of Article 13.

We are on your disposal if any additional information is needed.

We kindly ask you to bring this issue to the attention of Radio Regulations Board at the forthcoming meeting, taking place 17-21 of March 2025 in Geneva.

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