



International Amateur Radio Union

Summary Meeting Report

CEPT SE40 Meeting #75: 7 - 10 December 2021

Relating to the 23cm Band / RNSS Coexistence Aspects

SE40 work item 39

The IARU Region 1 was represented by Barry Lewis (G4SJH – WRC23 AI9.1b Lead).

Background

CEPT Project Team SE40 is tasked with carrying out a study on the coexistence between GALILEO / GLONASS RNSS receivers and amateur transmissions in the range 1240-1300 MHz. SE40 is developing an ECC Report and this will feed into WGM FM44 who have a work item proposing the development of an ECC Decision to harmonise the GALILEO frequencies. It is envisaged that this Decision will include “guidance” for CEPT administrations on measures (operational constraints most likely) applied to the amateur and amateur satellite services to avoid causing interference to the primary RNSS services.

The work has a relationship with the WRC preparatory process on WRC-23 agenda item 9.1 topic b and will contribute to the CEPT CPG preparatory process in PTC.

Contributions to the meeting

Two contributions were presented to the meeting:

- a) Doc SE40(21)041 –Source France
- b) Doc SE40(21)045 – Source IARU R1

The working document was “SE40(21)035_ANNEX 9_WD_draft ECC report RNSS Amateurs_Final” attached to the minutes of meeting #74.

IARU objectives

To open the discussion on the outcome of the propagation tool predictions as laid out in contribution 045 and insert these elements into the working document.

Meeting Activity

Just one 60min session was assigned to the topic on Thursday am. Both contributions were presented and resulted in an offline update of the working document that was reviewed quickly during the closing plenary session on Friday.

Doc SE40(21)041 provided an update to the working document and an update to the propagation tool predictions.

Doc SE40(21)045 provided an initial analysis of the propagation model results offering some context to the results based on amateur station density information provided by the IARU.

For clarity as the work moves forward it was agreed to fully remove the previous propagation model simulations and accept the new results. However other new elements of the text were not reviewed in detail and remain in “Track Changes”.

Output document: [SE40\(21\)049 A5: A5 Working document draft ECC Report WI 39](#)

Comment

The propagation model simulations include a number of amateur station configurations. In this update a scenario using the “Home Station 2” (EME Station) at zero degrees elevation has been removed. Now the IARU is content with the scenarios chosen.

During discussion the Dutch administration expressed concern that there is no discussion of RNSS receiver specifications (i.e. Harmonised Standards) and noted the amount of unnecessary information in the draft regarding RNSS applications that have no bearing on the studies.

The IARU analysis has been added in section 8 of the working document but needs further refinement and expansion to cover all scenarios.

Next SE40 meeting

Planned: 11-15th April 2022