

International Telecommunication Union
Place des Nations
CH-1211 Geneva 20
Switzerland

Subject: API/A e-submission of the HYPERFIELD-LISL satellite network

Dear Madam/Sir,

Please find attached .mdb database file containing API/A filing of the HYPERFIELD-LISL satellite network. We have following notes to be attached on the API/A publication:

NOTE 1: Kuva Space as the HYPERFIELD-LISL system operator has coordinated the use of the LTX and LRX beams with Iridium, the HIBLEO-2 system operator. Both parties accept the intersatellite link use between these systems as filed under RR 4.4.

NOTE 2: The HYPERFIELD-LISL system is to be used in conjunction with the HYPERFIELD system. (HYPERFIELD-LISL has same orbital planes as HYPERFIELD). The Earth-to-Space link of HYPERFIELD may be used to telecommand the immediate cessation of radio emissions, as required by the RR 4.4, if the HYPERFIELD-LISL system causes interference.

NOTE 3: The HYPERFIELD-LISL system has same orbital planes as HYPERFIELD and contains a set of different orbital planes to represent the orbital parameters for different operational situations during the constellation deployment and operation. A maximum of 100 satellites in total are foreseen.

The .mdb database has been subjected to validation using the SpaceVal tool version v.10.0.4.124. During the validation, no Fatal errors were given, but SpaceVal generated 2 Warnings with our explanations below:

- s_beam f_tx_vis 520 3 W B.2.a.1

"Value missing for ngeo not subject to coordination."

B.2.a.1 is an indicator specifying whether the space station only transmits when visible from the notified service area. Parameter B.2.a.1 is irrelevant, because LTX beam is an inter-satellite service (ES) without associated receiving Earth stations and service_area C.11.a.2 is undefined as well.

- rp emi_rcp 666 3 W B.2

"Receiving beam(s) may be missing from the satellite network/system. According to No. 22.1, space stations shall be fitted with devices to ensure immediate cessation of their radio emissions by telecommand, whenever such cessation is required under the provisions of these Regulations. Therefore, please ensure that your space station(s) can receive such telecommand data and receiving beam(s) is properly captured in the notice or provide clarification how No.22.1 is complied."

This is covered in NOTE 2 and fulfils compliancy with RR Article Nos. 22.1.

Hopefully our clarifications assist the Bureau to proceed with API/A e-Submission of the HYPERFIELD-LISL satellite network. Thank you for your co-operation,

Tyrväinen Antti
91213699C

Digitally signed by
Tyrväinen Antti 91213699C
Date: 2026.05.20 10:36:03
+03'00'

Antti Tyrväinen
Radio Network Specialist
Finnish Transport and Communications Agency Traficom
Finland

Distribution: ITU e-submission system; Kuva Space Ltd.