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March 26, 2019

IN REPLY REFER TO:

800C2/SEB19214

The Director
Radiocommunication Bureau
International Telecommunication Union
Place des Nations
CH-1211 Geneva 20
Switzerland

Subject: Coordination Request Information for a new NGSO/FSS
satellite system, **USASAT-NGSO-8B**

Dear Sir:

Pursuant to Section 1 of Article 9 of the Radio Regulations, the Administration of the United States of America is hereby providing the coordination request information for a new non-geostationary satellite system, **USASAT-NGSO-8B**.

Enclosed is a CD-ROM that contains the following files:

- USASAT-NGSO-8B.mdb
- USASAT-NGSO-8B_SpacePub_Report.rft
- USASAT-NGSO-8B_SpaceVal_Report_OpAgency=23.rft
- USASAT-NGSO-8B_SpaceVal_Report_OpAgency=644.rft
- USASAT-NGSO-8B_Additional_Explanatory_Material.pdf
- USASAT-NGSO-8B_Attachment_1_Multiple_Access.pdf
- USASAT-NGSO-8B_Attachment_2_Spectrum_Mask.pdf
- USASAT-NGSO-8B_Attachment_3_Antenna_TX_Gain.pdf
- USASAT-NGSO-8B_Attachment_4_Spreading_Loss.pdf
- USASAT-NGSO-8B_Attachment_5_Beam_Orientation.pdf
- USASAT-NGSO-8B_Attachment_6_GSO_Arc_Avoidance.pdf
- USASAT-NGSO-8B_Attachment_7_Simultaneous_Operations.pdf
- USASAT-NGSO-8B_Attachment_8_SV_Antenna_Patterns.pdf

The operating-agency code to be assigned to this satellite system is 644. Please add the operating agency code and contact information to the IFL Preface, Table 12A/12B.

Cost-recovery invoices associated with this satellite system should be sent to:

Kuiper Systems LLC
c/o Jennifer D. Hindin, Esq.
Wiley Rein LLP
1776 K Street NW
Washington, DC 20006
U.S.A.

SpaceVal

When running the Space Validation (SpaceVal) software against the USASAT-NGSO-8B filing database, several warnings and errors remain.

The following table outlines these warnings & errors and explains their origin. These errors and warnings have been carefully evaluated and deemed to be the result of information that is not yet available within the SpaceRefDb, bugs in the SpaceVal software or suggested parameter ranges that are not strict limits.

Table 1 USASAT-NGSO-8B SpaceVal Report Summary

Quantity	Table	Error/Warning	Notes
2	non_geo	W	Satellite name USASAT-NGSO-8B is not yet recognized since this is a new filing.
1	non-geo	W	SpaceVal does not like the UE density value of 0.00019 terminals/km ² but this is a valid value, aligns with the 73km spacing and is supported by the guidance form the ITU's EPFD tool.
652	grp	F	Operating agency code 644 is not yet in the SpaceRefDb and thus causes these fatal errors. The FCC has assigned operator code 644 to Kuiper Systems LLC.
2	s_beam	W	Ka-band TT&C Omni antenna gain is outside of expected range

We also request that a courtesy copy of the cost-recovery invoice be sent to our administration.

Please acknowledge receipt of this information and thank you for your kind consideration in this matter.

Sincerely,



Jose Albuquerque
Chief, Satellite Division
International Bureau

Enclosure

1 CD-ROM