	ИВ 678		l (									
	Approved by OMB 3060–0678	ARY AUTHORITY	APPLICANT INFORMATIONEnter a description of this application to identify it on the main menu: Request for 30-day Special Temporary Authority Using a 7.3m S-band Antenna in Paumalu, Hawaii to Provide TT&C, LEOP, IOT, and Drift for STPSat-4 Satellite		703-559-7848	703-559-8539	susan.crandall@intelsat.com		VA	22102 -5972		"(with could tions" -20190711-00911 man Dare Oslos / 2019 Patter 12/16/2019 Patter 12/16/2019
SES-STA-20190711-00911 IB2019002686 se LLC		APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY	APPLICANT INFORMATIONEnter a description of this application to identify it on the main menu: Request for 30-day Special Temporary Authority Using a 7.3m S-band Antenna in Paumalu, Hawaii and Drift for STPSat-4 Satellite		Phone Number:	Fax Number:	E-Mail:		State:	Zipcode:		File # SES-STA File # SES-STA Call Sign <u>W/A</u> (or other identifier) From: <u>U/Ue [Ser</u> ] Approved: <u>Mut</u>
<b>SES-ST</b> Intelsat License LLC		APPLICATION FOR E.	AATIONEnter a description o pecial Temporary Authority L Satellite		Intelsat License LLC		c/o Intelsat US LLC	7900 Tysons One Place	McLean	USA	Susan H. Crandall	30 a GRANTED International Bureau
			APPLICANT INFORMATIONE Request for 30–day Special Ten and Drift for STPSat–4 Satellite	1. Applicant	Name:	DBA Name:	Street:		City:	Country:	Attention:	

2. Contact			
Name:	Cynthia J.Grady	Phone Number:	703-559-6949
Company:	Intelsat US LLC	Fax Number:	703-559-8539
Street:	7900 Tysons One Place	E-Mail:	cynthia.grady@intelsat.com
City:	McLean	State:	VA
Country:	USA	Zipcode:	22102 -
Attention:		Relationship:	Legal Counsel
(If your application is related to an application application. Please enter only one.) 3. Reference File Number or Submission ID	appl miss	Commission, enter either the file nu	ication filed with the Commission, enter either the file number or the IB Submission ID of the related ion ID
4a. Is a fee submitter	4a. Is a fee submitted with this application? If Yes, complete and attach FCC Form 159. If No, indic	If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114).	7 C.F.R.Section 1.1114).
O Governmental Entity	by <b>O</b> Noncommercial educational licensee	censee	
O Other(please explain):	(u		
4b. Fee Classification	CGX - Fixed Satellite Transmit/Receive Earth Station	ive Earth Station	
5. Type Request			
O Use Prior to Grant	O Change !	O Change Station Location	Other
6. Requested Use Prior Date	Date		
7. CityPaumalu		8. Latitude (dd mm ss.s h) 21 40	21 40 14.2 N
,			

9. State HI	10. Longitude (dd mm ss.s h) 158 2 7.8 W
11. Please supply any need attachments.   Attachment 1: STA Request Attachment 2: Exhibit A	Exhibit A Attachment 3: Exhibit B
12. Description. (If the complete description does not appear	(If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)
Intelsat License LLC herein requests a commencing November 16, 2019, to utiliz Hawaii teleport to provide telemetry, t during launch and early orbit phase, ir	Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing November 16, 2019, to utilize a 7.3m S-band antenna located at is Paumalu, Hawaii teleport to provide telemetry, tracking, and command for the STPSat-4 satellite during launch and early orbit phase, in-orbit testing, drift, and in its final orbit.
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti–Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.	licant nor any other party to the application is the present of the Anti-Drug Act session or distribution of a controlled substance. pplication" for these purposes.
14. Name of Person Signing Cynthia J. Grady	15. Title of Person Signing Senior Counsel, Intelsat US LLC
WILLFUL FALSE STATEMENTS MADE ON THI (U.S. Code, Title 18, Section 1001), AND, (U.S. Code, Title 47, Section 312(a)(1)),	WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

# FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember - You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678. THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507. Applicant:Intelsat License LLC-File No.:SES-STA-20190711-00911Call Sign:N/ASpecial Temporary Authority

Intelsat License LLC ("Intelsat") is granted a special temporary authority for 30 days, beginning November 16, 2019, to utilize a 7.3m S-band antenna located at its Paumalu, Hawaii teleport to provide telemetry, tracking, and command ('TT&C'') for the STPSat-4 satellite during launch and early orbit phase ("LEOP"), in-orbit testing ("IOT"), drift, and in its final orbit using the following frequencies: 2109.75 MHz (RHCP)(Earth-to-space) and 2277.90 MHz (space-to-Earth) under the following conditions: The services are expected to last approximately one year.

1. Operations will not exceed the operational power levels and parameters.

2. All operations under this grant of special temporary authority shall be on an unprotected and non-harmful interference basis. Intelsat shall not cause harmful interference to and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.

3. In the event of any harmful interference under this grant of special temporary authority, Intelsat must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.

4. Uplink operations from the Paumalu, HI teleport to the STPSat-4 satellite shall not occur when the NASA International Space Station (ISS) (NORAD designation 25544 or international spacecraft ID 1998-067A) is within the horizon to horizon view of the Intelsat License LLC facility in Paumalu, HI.

4. All operators of satellites will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs, Currently the 24x7 contact information for Intelsat 39 mission is Ph.: (703) 559-7701-East Coast Operations Center (primary); (310) 525-5591-West Coast Operations Center (back-up). Request to speak with Harry Burnham or Kevin Bell.

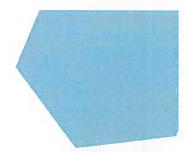
5. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's risk.

6. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat applications .

This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately.

with conditions" 30 days File #585-57A-20190711-00911 Call Sign  $\frac{1}{A}$  Grant Date  $\frac{08}{05}$   $\frac{05}{2079}$ (or other identifier) From:  $\frac{1}{16}$   $\frac{700}{20}$  To:  $\frac{12}{16}$   $\frac{120}{9}$   $\frac{19}{10}$ nternational Bureau





July 11, 2019

Ms. Marlene H. Dortch Secretary Federal Communications Commission 445 12th Street, S.W. Washington, D.C. 20554

Re: Request for Special Temporary Authority 7.3m S-band Antenna, Paumalu, Hawaii

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")<sup>1</sup> for 30 days, commencing November 16, 2019, to utilize a 7.3m S-band antenna located at its Paumalu, Hawaii teleport to provide telemetry, tracking, and command ("TT&C") for the STPSat-4 satellite during launch and early orbit phase ("LEOP"), in-orbit testing ("IOT"), drift, and in its final orbit. The services are expected to last approximately one year, and Intelsat will be filing a 180-day STA request to support these services.

STPSat-4 is a Department of Defense Space Test Program satellite that will host a number of experimental payloads including the Air Force Research Laboratory ("AFRL") Modular RF Tile L-band Experiment.<sup>2</sup> STPSat-4 is a non-geosynchronous satellite with an apogee of 400 km and inclination angle of 51.6 degrees. The STPSat-4 operation will be performed using the following frequencies: 2109.75 MHz (RHCP; emission designator: 17K2G1D) in the uplink and 2277.90 MHz (RHCP; emission designators: 437KG1D and 875KG1D) in the downlink.

The 24x7 contact information for STPSat-4 mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary) (310) 525-5591 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

<sup>2</sup> For more information, see

www.nasa.gov/mission\_pages/station/research/experiments/explorer/Investigation.html?#id=7347.

<sup>&</sup>lt;sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$210.00 filing fee, and this supporting letter electronically via the International Bureau's Filing System ("IBFS").

Ms. Marlene H. Dortch July 11, 2019 Page 2

In further support of this request, Intelsat attaches Exhibits A and B, which contains technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating commercial terrestrial facility and a document supporting STPSat-4 operations.

To the extent necessary, Intelsat seeks waiver of the U.S. Table of Frequency Allocations, which allocates the commercial use 2025-2110 MHz to the fixed and mobile services, and the use of 2200-2290 MHz solely to Federal services.

The Commission may grant a waiver for good cause shown. The Commission typically grants a waiver where the particular facts make strict compliance inconsistent with the public interest. In granting a waiver, the Commission may take into account considerations of hardship, equity, or more effective implementation of overall policy on an individual basis. Waiver is therefore appropriate if special circumstances warrant a deviation from the general rule, and such a deviation will serve the public interest. As shown below, good cause exists here to grant a waiver allowing Intelsat's 7.3m S-band antenna to operate in order to support STPSat-4's launch, IOT, and operations.

Good cause exists to waive the Table of Allocations for 2025-2110 MHz and 2200-2290 MHz frequency bands. While the commercial allocation in both bands does not include any satellite services, the Federal allocation includes space operation in both bands. Therefore, Intelsat's operations pursuant to grant of this STA will be consistent with the Federal allocations while supporting the Federal operator of STPSat-4 and will not increase the risk on interference.

Finally, Intelsat clarifies that during the STPSat-4 mission, the U.S. Air Force will control the spacecraft. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to assist in safely launching, testing, and operating the STPSat-4 satellite, and thereby promotes the public interest.

Respectfully submitted,

/s/ Cynthia J. Grady

Cynthia J. Grady Senior Counsel Intelsat US LLC

cc: Paul Blais

# Exhibit A

Prepared By

### COMSEARCH

19700 Janelia Farm Boulevard, Ashburn, VA 20147 (703)726-5500 http://www.comsearch.com

### Prepared For Intelsat License LLC Paumalu, Hawaii

Temporary Transmit-Only Earth Station Operation Dates: 11/15/2019 - 05/15/2020

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations. Verbal and written coordination was conducted with the below listed carriers on June 14, 2019.

### Company

**3G Wireless, LLC AERIAL VIDEO SYSTEMS** Alascom Inc Borgeson, Tom R. Broadcast Sports Inc. Casper, John Chicago Comnet Corp Citywide News Network, Inc. Cowboys Stadium LP **CP** Communications DCI II, INC. Direct Broadcast Services, Inc. **Federal Communication Commission** Frontier California Inc. HF Enterprises, Inc Hallco Unlimited, Inc. Hawaii Public Television Foundation Hawaiian Telcom, Inc. Heiden, William im360 Entertainment Information & Display Systems, Inc. Information Super Station, LLC Interlink Network Corp International Communications Group, Inc. International Electronic Information Services, Inc. KHNL/KGMB License Subsidiary, LLC KITV, Inc Loop inc MERCURY COMMUNICATIONS Microwave Video Systems, LLC Moreen, Steven K NEW ENGLAND DIGITAL DISTRIBUTION, INC. NEXSTAR BROADCASTING, INC.

**NSM Surveillance** Navajo Communications Company **Onboard Images** Pacific Bell Tel Com dba AT&T California **Pacific Television Cneter** Penn Service Microwave Co., Inc. Plateau Telecommunications, Inc. Plum TV, LLC Production & Satellite Services, Inc. **REMOTE FACILITIES CONSULTING SERVICES RF Central, LLC** RF Film, Inc Radiofone, Inc. Randy Hermes Production Remote Broadcasts, Inc. Speedshotz, Inc **TTWN Networks, LLC** Unisat. Inc. United Telephone - Southeast Vitec Broadcast Services, Inc Vyvx, LLC Westar Satellite Services LP Winged Vision Inc Wolfe Air Aviation

There are no unresolved interference objections with the station contained in these applications.

The following section presents the data pertinent to frequency coordination of the earth station that was circulated to all carriers within its coordination contours.

# COMSEARCH

Earth Station Data Sheet 19700 Janelia Farm Boulevard, Ashburn, VA 20147 (703)726-5500 http://www.comsearch.com

Date: Job Number:		/14/2019 0614COMSGE01		
Administrative Informa Status Call Sign Licensee Code	TE	MPORARY (Operation from 1995) TELS	om 11/15/2019 to 05/15/2020)	
Licensee Name	Int	elsat License LLC		
Site Information	PA	UMALU, HI		
Venue Name	04	9 401 4 4 01 M		
Latitude (NAD 83)		° 40' 14.2" N		
Longitude (NAD 83)		8° 2' 7.8" W		
Climate Zone	В			
Rain Zone	4	0.0 / 400.0 #		
Ground Elevation (AMSI	_) 13	2.9 m / 436.0 ft		
Link Information				
Satellite Type		eostationary		
Mode	TC	- Transmit-Only		
Modulation	Dig	gital		
Satellite Arc		° W to 233° West Longitu	de	
Azimuth Range	95	.6° to 264.3°		
Corresponding Elevation	Angles 5.2	2° / 5.3°		
Antenna Centerline (AG		9 m / 18.0 ft		
Antenna Information		Transmit - FCC32		-
Manufacturer		ViaSat		
Model		7.3 FPA		
Gain / Diameter		40.9 dBi / 7.3 m		
3-dB / 15-dB Beamwidth		1.00° / 2.00°		
Max Available RF Power	(dBW/4 kHz)	17.8		
	(dBW/MHz)	41.8		
Maximum EIRP	(dBW/4 kHz)	58.7		
	(dBW/MHz)	82.7		
Interference Objectives	Long Town		00%	
Interference Objectives:	Long Term Short Term	-154.0 dBW/4 kHz -131.0 dBW/4 kHz	20% 0.0025%	
Frequency Information		Transmit 2.0 GHz		-
Emission / Frequency Range		17K2G1D / 2109.75		
Max Great Circle Coordinatior		765.4 km / 475.5 mi		
Precipitation Scatter Contour	Radius	467.6 km / 290.5 mi		

07/01/2019

Coordination	Values	PAUMALU, HI			
Licensee Nam	ne	Intelsat License LLC			
Latitude (NAD	83)	21° 40' 14.2" N			
Longitude (NA		158° 2' 7.8" W			
Ground Eleval		132.9 m / 436.0 ft			
Antenna Cent		5.49 m / 18.0 ft			
Antenna Mode					
		ViaSat 7.3 meter			
Antenna Mode		Transmit 2.0			
Interrerence C	bjectives: Long Terr				
	Short 1		4 kHz 0.0025%	6	
Max Available	RF Power 17.8 (d	BW/4 kHz)			
				nit 2.0 GHz	
	Horizon	Antenna	Horizon	Coordination	
Azimuth (°)	Elevation (°)	Discrimination (°)	Gain (dBi)	Distance (km)	
0	0.00	95.62	-10.00	369.42	
5	0.00	90.64	-10.00	369.42	
10	0.00	85.66	-10.00	369.42	
15	0.00	80.68	-10.00	369.42	
20	0.00	75.70	-10.00	369.42	
25	0.00	70.72	-10.00	369.42	
30	0.00	65.75	-10.00	369.42	
35	0.00	60.77	-10.00	369.42	
40	1.74	55.71	-10.00	184.71	
45	2.11	50.71	-10.00	169.55	
50	2.50	45.70	-9.50	159.68	
55	2.56	40.71	-8.24		
60	2.69			163.98	
65	2.68	35.72	-6.82	167.10	
70		30.73 25.72	-5.19	176.01	
75	3.12 2.87		-3.26	172.15	
		20.77	-0.93	193.19	
80 85	2.68	15.84	2.01	217.29	
90	2.68	10.94	6.03	246.42	
	2.68 2.27	6.18	12.22	299.13	
95		3.02	20.01	504.70	
100	2.84	4.97	14.59	311.75	
105	3.03	9.48	7.58	241.35	
110	2.72	14.19	3.20	223.85	
115	3.53	18.43	0.36	179.65	
120	3.29	23.05	-2.07	173.47	
125	3.24	27.55	-4.00	165.05	
130	3.28	31.96	-5.61	155.93	
135	3.20	36.34	-7.01	151.29	
140	2.78	40.76	-8.26	157.25	
145	2.25	45.11	-9.36	168.23	
150	2.48	48.92	-10.00	157.82	
155	2.22	52.72	-10.00	166.07	
160	2.74	55.71	-10.00	149.87	
165	2.75	58.43	-10.00	149.76	
170	2.52	60.59	-10.00	156.60	
175	2.86	61.41	-10.00	146.60	
180	2.74	61.88	-10.00	150.00	
185	2.48	61.78	-10.00	158.01	

<b>Coordination Values</b>	PAUMALU, HI	
Licensee Name	Intelsat License	LLC
Latitude (NAD 83)	21° 40' 14.2" N	
Longitude (NAD 83)	158° 2' 7.8" W	
Ground Elevation (AMSL)	132.9 m / 436.0	ft
Antenna Centerline (AGL)	5.49 m / 18.0 ft	
Antenna Model	ViaSat 7.3 meter	r
Antenna Mode		2.0 GHz
Interference Objectives: Lo		IBW/4 kHz 20%
		BW/4 kHz 0.0025%
Max Available RF Power	17.8 (dBW/4 kHz)	

			Transr	nit 2.0 GHz	
	Horizon	Antenna	Horizon	Coordination	
Azimuth (°)	Elevation (°)	Discrimination (°)	Gain (dBi)	Distance (km)	
190	2.41	60.69	-10.00	160.01	
195	2.31	58.73	-10.00	163.19	
200	1.85	56.23	-10.00	179.48	
205	1.28	53.21	-10.00	204.51	
210	0.91	49.68	-10.00	229.91	
215	0.91	45.72	-9.50	233.33	
220	0.74	41.65	-8.49	262.92	
225	1.04	37.25	-7.28	236.07	
230	0.72	33.02	-5.97	288.11	
235	0.39	28.71	-4.45	371.72	
240	0.00	24.36	-2.67	439.46	
245	0.00	19.82	-0.43	435.57	
250	0.00	15.24	2.42	470.81	
255	0.00	10.72	6.25	541.73	
260	0.00	6.83	11.13	691.24	
265	0.00	5.33	13.83	765.40	
270	0.00	7.75	9.77	653.85	
275	0.00	11.89	5.12	517.95	
280	0.00	16.51	1.55	458.46	
285	0.00	21.30	-1.21	452.72	
290	0.00	26.17	-3.44	432.29	
295	0.00	31.08	-5.31	414.83	
300	0.00	36.01	-6.91	399.60	
305	0.00	40.95	-8.31	386.08	
310	0.00	45.90	-9.55	373.91	
315	0.00	50.87	-10.00	369.42	
320	0.00	55.83	-10.00	369.42	
325	0.00	60.80	-10.00	369.42	
330	0.00	65.78	-10.00	369.42	
335	0.00	70.75	-10.00	369.42	
340	0.00	75.73	-10.00	369.42	
345	0.00	80.71	-10.00	369.42	
350	0.00	85.69	-10.00	369.42	
355	0.00	90.66	-10.00	369.42	

### Certification

I hereby certify that I am the technically qualified person responsible for the preparation of the frequency coordination data contained in this report. I am familiar with Parts 101 and 25 of the FCC Rules and Regulations and I have either prepared or reviewed the frequency coordination data submitted with this report, and that it is complete and correct to the best of my knowledge and belief.

BY:

Gary K. Edwards Senior Manager COMSEARCH 19700 Janelia Farm Boulevard Ashburn, VA 20147

DATED: July 1, 2019

## Exhibit B



UNITED STATES DEPARTMENT OF COMMERCE National Telecommunications and Information Administration Washington, D.C. 20230

FEB 0 8 2018

SSS-105158

# FOR AGENDA MEMORANDUM

TO:
-----

Air Force Spectrum Management Office

FROM: Brandon Mitchell Branch Mutrice Chair, IRAC Space Systems Subcommittee (SSS)

Shaobei Xu

**SUBJECT:** Air Force Request for Waiver from ITU International Registration of the STPSat-4 Satellite TT&C.

The Air Force, in its letter dated 23 June 2017 requests a waiver from the National Telecommunications and Information Administration (NTIA) for the STPSat-4 satellite (see SSS-102094).

The STPSat-4 satellite is a new Department of Defense (DoD) Space Test Program (STP) satellite. The STPSat-4 will host space technology experimental payloads such as the Air Force Research Laboratory (AFRL) Modular RF Tile L-band Experiment and other U.S. Air Force Academy undergraduate student education projects. The AFRL L-band experiment will be the only active transmitter while all other onboard payloads on the STPSat-4 satellite are passive devices. The STPSat-4 satellite is currently scheduled for launch in February 2018 and the intended use is less than one year.

The STPSat-4 satellite is a non-geosynchronous satellite with apogee and perigee of 400 km and an inclination angle of 51.6 degrees. The satellite will transmits on a of 2277.9 MHz (space-to-Earth) with a 437KG1D and 875KG1D (power of 2 Watt) emissions while in view of the ground stations located at Colorado Spring, CO and Houston, TX. The STPSat-4 receives on 2097.566 MHz (Earth-to-space) with 17K2G1D emission from the ground stations located Colorado Spring, CO and Houston, TX (see SPS-22315/1 and SPS-22567/1).

Based on the Air Force intended operational period of less than 12 months for the STPSat-4 satellite mission, Air Force requests a waiver from an international registration with the ITU Radiocommunication Bureau (BR) under Section 3.3.1.2 of the NTIA Manual, "Exemption Requests for Submitting Space System Information to the BR." This section provides that the practice of the United States is not to submit space system information to the BR if the intended length of the missions is 12 months or less.

This section of the Manual also states that:

An agency requesting exemption from international registration for a particular satellite system shall submit a request that the international registration be waived to the SSS.

The submission to the SSS shall include the following:

a. a statement that the agency has reviewed the existing satellite systems registered with the ITU and determined their system is compatible;

b. a statement that the agency will continue to monitor the international registration process for satellite systems that operate co-channel to the system for which they have requested a waiver and be responsible for taking the measures necessary to ensure compatibility with any new systems; and

c. a statement that the agency recognizes that should a waiver of the international registration requirement be approved and interference occurs to or from their unregistered system, they have no status or rights under the ITU Radio Regulations (RR). Agencies operating such a system, without the benefit of the recognition and protection afforded by the international registration process, assume full responsibility for making modifications required to resolve any interference problems with systems operating in accordance with the RR.

The SSS and NTIA reviewed the request by Air Force to waive the international registration of the above subject operation. Air Force has fulfilled the requirements listed above. The SSS has no objections to the waiver being granted. Accordingly, NTIA hereby grants Air Force a waiver from international registration of the STPSAT-4 satellite.

NTIA grants this waiver subject to the following conditions:

- 1. Air Force shall continue to monitor the international process for systems that operate cochannel to this system and be responsible for taking the necessary measures concerning any new system that may not be compatible.
- 2. Air Force recognizes that this system will have no status or rights under the RR. If there is interference to or from this system, Air Force shall immediately make modifications to resolve all cases of interference.

The SSS Chair shall forward this memo to the IRAC, the Spectrum Planning Subcommittee, and the Frequency Assignment Subcommittee for information.