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<b>Proceeding:</b>	18-122
<b>Confirmation #:</b>	20190207036878145
<b>Submitted:</b>	Feb 7, 2019 11:21:26 AM
<b>Status:</b>	RECEIVED
<b>Name(s) of Filer(s)</b>	C-Band Alliance
<b>Law Firm(s)</b>	Wiley Rein LLP
<b>Attorney/Author Name(s)</b>	Jennifer Hindin
<b>Primary Contact Email</b>	
<b>Type of Filing</b>	NOTICE OF EXPARTE
<b>Presented To</b>	General (Multiple Bureaus)
<b>File Number</b>	
<b>Report Number</b>	
<b>Bureau ID Number</b>	
<b>Address of</b>	Filer
<b>Address</b>	1776 K Street, NW , Washington, DC, 20006
<b>Email Confirmation</b>	No

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February 7, 2019

**VIA ELECTRONIC FILING**

Ms. Marlene H. Dortch, Secretary  
Federal Communications Commission  
Office of the Secretary  
445 12th Street, SW  
Washington, DC 20554

Re: *Notice of Ex Parte Meeting*  
GN Docket No. 18-122

Dear Ms. Dortch:

Pursuant to FCC Rule 1.1206, this letter attaches satellite transponder migration plans developed by SES and Intelsat.<sup>1</sup> The plans describe in detail how SES and Intelsat currently plan to accommodate all existing C-band customers in 300 MHz of spectrum. The plans demonstrate that, if the CBA's Market-Based Approach is adopted, every current C-band customer will continue to be served in the C-band. The plans further show that 200 MHz is the maximum amount of spectrum that can be cleared without denying C-Band service to some current customers.<sup>2</sup> In addition, SES and Intelsat hereby affirm their commitment to cover all reasonable costs of the transition for every impacted entity, including their customers and their customers' customers (e.g., local broadcast stations and cable systems).

Please contact the undersigned with any questions regarding this letter.

Respectfully submitted,

/s/ Jennifer D. Hindin  
Jennifer D. Hindin  
*Counsel for the C-Band Alliance*

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<sup>1</sup> The plans were developed independently of one another.

<sup>2</sup> Although SES and Intelsat currently consider their respective migration plans to be final, these plans could change depending on a number of real-world factors, including the exact plan adopted by the Commission to clear mid-band spectrum for 5G.

# SES North America C-Band Spectrum Clearing Summary

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February 2019

# FUTURE LOADING (1)

Pre-Emptible
Contracted
Cleared in CONUS
Off / Contracted Spare



Trx	1 / 2	3 / 4	5 / 6	7 / 8	9 / 10	11 / 12	13 / 14	15 / 16	17 / 18	19 / 20	21 / 22	23 / 24
135W NewSat						SES MCPC	SES MCPC	SES MCPC	SES MCPC	SES MCPC	OU	OU
						Cust A	Cust A	Cust A	Cust A	Maritime	Maritime	OU
131W AMC-11R						Cust B	Cust D	Cust D	Cust D	Cust D	Cust D	Cust D
				Cust T*		Cust C	Cust C	Cust D	Cust D	Cust D	Cust D	Cust D
105W SES-11						Cust E	Radio	Cust E	Radio	Cust F	Radio	Cust G
						Cust H	Cust I	Cust J	Cust J	Cust I	Cust H	Cust I
103W SES-3						Cust C	Cust K	Cust L	Cust C	Cust B	Cust G	Cust M
						SCPC	Cust B	Cust G	Cust N	Cust O	Cust N	Cust M
101W SES-1						Cust P	SCPC	Cust H	Cust Q	Cust P	Cust R	Cust H
						Cust P	Cust T	Cust H	SCPC	Cust P	Cust U	Cust S
103W In Orbit Spare**												

\*Service to Alaska

\*\*In-orbit spare is co-located with SES-3 at 103W and will be relocated to 101W or 105W in event of transponder failure(s) on SES-1 or SES-11, respectively. Spare transponders can only be activated to replace failed transponders and are otherwise unavailable for use.

OU: Occasional Use  
 SCPC: Single Channel Per Carrier  
 MCPC: Multiple Channel Per Carrier

# FUTURE LOADING (2)

Contracted
Cleared in CONUS



Trx	1 / 2	3 / 4	5 / 6	7 / 8	9 / 10	11 / 12	13 / 14	15 / 16	17 / 18	19 / 20	21 / 22	23 / 24
139W AMC-8						Cust V	Cust V	Cust V	Maritime	Maritime	Maritime	Maritime
						Cust V	Cust V	Cust V	Maritime	Maritime	Maritime	Maritime
87W SES-2	Cust X**	Cust X**	Cust X**	Cust X**	Cust X**	Cust X**	SCPC	Cust X**	Cust X**	SCPC	SCPC	Cust W*
	Cust X**	Cust X**	Cust X**	Cust X**		SCPC	Cust X**	Cust X**	SCPC	Cust X**	Cust Y	SCPC

SCPC: Single Channel Per Carrier

\*Service to Greenland

\*\*Service to Canada





# C-band Grooming Plan

February 2019



# Future Cable Loading

(180 MHz cleared + 20 MHz guard band)

Cleared Spectrum

Contracted Protection\*

\*Shaded cells denote capacity used to restore customers in the event of a failure; unless otherwise noted, capacity restores multiple customers

Trx	1 / 2	3 / 4	5 / 6	7 / 8	9 / 10	11 / 12	13 / 14	15 / 16	17 / 18	19 / 20	21 / 22	23 / 24
133W Galaxy 15						Cust. A	Cust. K	Cust. L	Cust. AQ / Cust. BK	Cust. H	Cust. A	Cust. H
						Cust. A	Cust. K	Cust. L	Cust. E	Cust. A	Cust. A	Cust. AZ
127W Galaxy 13	Cust. B Protection	Cust. B Protection	Cust. B Protection	Cust. B Protection	Cust. B Protection	Cust. F	Cust. F	Cust. K	Cust. M	Cust. Q	Cust. AU	Cust. F
	Cust. B Protection	Cust. B Protection	Cust. B Protection	Cust. B Protection	Cust. B Protection	Cust. F	Cust. P	Cust. K	Cust. CA	Intelsat MCPC	Cust. P	Cust. U / Cust. M
125W Galaxy 14						Cust. E	Cust. AY	Cust. H	Cust. L	Cust. BC	Cust. AS	Cust. O
						Cust. AH	Cust. E	Cust. H	Cust. T	Cust. AE	Cust. L	Cust. AX
123W Galaxy 18	Cust. B	Cust. B	Cust. B	Cust. B	Cust. B	Cust. Y	Cust. W	Cust. W / Cust. BJ	Cust. AK	Cust. U	Cust. E	Cust. E
	Cust. B	Cust. B	Cust. B	Cust. B	Cust. B	Cust. F	Cust. AT	Cust. AV	Cust. AG	Cust. AB	Cust. E	Cust. AO
121W Galaxy 23	Cust. D	Cust. D	Cust. D	Cust. D	Cust. D	Cust. AA	<b>OUTV</b>	Cust. BB	Cust. D	Cust. AL	<b>OUTV</b>	Cust. BQ, Cust. BI, Cust. BY
	Cust. D	Cust. D	Cust. D	Cust. D	Cust. G	Cust. D	Cust. G	Cust. Y / Cust. D	Cust. BH / Cust. M	Cust. G	Cust. N	Cust. V / Cust. BZ
91W Galaxy 17						Cust. A	Cust. T	Cust. BE / Cust. BR	Cust. A	Cust. A	Cust. A	Cust. A
						Cust. BV / Cust. J	Cust. BT / Cust. BF	Cust. A	Cust. AW	Cust. AJ	Cust. A	Cust. AG

- Customers remaining in the lower 200 MHz provide service to Alaska or to offshore remote terminals.
- IOP = In-Orbit Protection
- MCPC = Multichannel Per Carrier
- OUTV = Occasional Use Television





# Future Broadcast Loading

(180 MHz cleared + 20 MHz guard band)

Preemptible	Cleared Spectrum
Unavailable	Contracted Protection*

\*Shaded cells denote capacity used to restore customers in the event of a failure; unless otherwise noted, capacity restores multiple customers

Trx	1 / 2	3 / 4	5 / 6	7 / 8	9 / 10	11 / 12	13 / 14	15 / 16	17 / 18	19 / 20	21 / 22	23 / 24
99W Galaxy 16						Cust. S	Cust. S	Cust. AR	Cust. M	Cust. A	Cust. E	Cust. A IOP / OUTV
						Cust I / Cust BQ, etc.	Cust. I	Cust. BS, et al.	Cust. A	Cust. I	Cust. A IOP / OUTV	Cust. I
97W Galaxy 19	Cust. R / Cust. V	Cust. BA		Cust. X		Cust. CC/Cust. BL +4 others	Cust. J / Cust. BG	Cust. AM	Cust. X / 4 others	Cust. C	Cust. C	Cust. C IOP / OUTV
		Cust. G	Cust. AF	Cust. G		Cust. F	Cust. AI	Cust. I	Cust. C	Cust. C	Cust. BD	Cust. C IOP / OUTV
95W Galaxy 3C	Cust. R					OUTV	Cust. R / 3 others	Cust. E	Cust. A IOP / OUTV	Cust. A	Cust. C IOP / OUTV	Cust. C IOP / OUTV
						Cust. J	Cust. J	Cust. J	Cust. A	Cust. A IOP / OUTV	Cust. C IOP / OUTV	Cust. C IOP / OUTV
89W Galaxy 28							OUTV	Cust. C IOP / Cust. J	Cust. D	OUTV	Cust. D / 3 others	Cust. C
		Cust. G		Cust. G		Cust. G / Cust. Z, etc.	Cust. Z	Cust. C IOP / OUTV	OUTV	Cust. N	Cust. N	Cust. C

- Customers remaining in the lower 200 MHz provide service to Alaska or to offshore remote terminals.
- IOP = In-Orbit Protection
- MCPC = Multichannel Per Carrier
- OUTV = Occasional Use Television