

-43.4668°

170.1882°



C-band Customer Update

Intelsat

05 May 2021

Please ensure you are on mute

You can raise questions via the CHAT function

Agenda

1. FCC update
2. Earth Station and Filtering Update
3. Customer transitions
4. Questions

FCC update



Relocation Coordinator and Relocation Payment Clearinghouse News

- April 7: Relocation Coordinator filed an *ex parte* notice that outlined its intake and reporting process for resolving disputes between earth station operators and satellite operators about scheduling and for notifying the FCC of disputes related to comparability of facilities, workmanship or preservation of service. Any party to the C-band transition that seeks to utilize the Relocation Coordinator for this purpose can file an Initial Report through the '3.7 to 4.2 GHz Band Transition Request for Relocation Coordinator Mediation or Dispute Reporting' website at <https://response.rsmus.com/RCmediationresolutionnotification>.
- April 14: Relocation Coordinator filed its second quarterly progress report, following the earlier filing of the satellite operators' March 31 reports.

Relocation Coordinator and Relocation Payment Clearinghouse News

- April 16: Wireless Telecommunications Bureau (“WTB”) released a Public Notice establishing a new docket -- 21-154 -- for C-band transition dispute referrals. The WTB directed the Relocation Coordinator to file any referrals of C-band relocation disputes in this new docket, “including recommendations for their resolution and any related information provided by the disputants, as soon as practicable but in no event any later than 10 business days after it receives formal notice of the dispute.” The WTB stated it may, on a case-by-case basis, “announce additional procedures to be followed for resolving the dispute,” including potentially for interested parties to submit records or comments about these disputes.
- April 19: deadline for inactive/unresponsive earth station operators to make filings to affirm the earth stations’ operating status and intent to remain in the C-band transition.

Relocation Coordinator and Relocation Payment Clearinghouse News

- April 30: Relocation Payment Clearinghouse posted its draft handbook of policies and procedures for the submission and processing of costs associated with the transition. The draft handbook can be found at https://cbandrpc.com/guidance/Resources/RPC_C-band_Handbook_DRAFT_4-30-2021.pdf. Any comments on the draft are to be sent to the Clearinghouse by May 14.
- April 30: Relocation Payment Clearinghouse also posted its Q1 2021 Quarterly Report.

Customer transitions

Customer Transitions

Migrations continue to progress to plan; Phase 2 starts in June

- Phase 1 Migrations will be completed by the end of May
 - Lower 120 MHz will be clear at that point; filtering can begin on time
- Phase 2 Migrations are proceeding on schedule
 - Several beginning/continuing in 2021 and will be completed by year-end
 - Equipment is on order for most of Phase 2 with no known supply chain issues at this time
- International downlink terrestrial buildout continues
 - Customer transitions to be completed ~Oct 1

Phase 1 Transitions in 2021

Phase I Start Date	Duration (Days)	Phase I End Date	Change Type	Customer	Phase I Start Sat/Trx	Phase 1 End Sat/Trx	Technology Upgrade	Status
1-Jan-21	30	31-Jan-21	F	Rignet	G-19 17C	G-19 09C		Complete
4-Jan-21	30	3-Feb-21	F	The Church of Jesus Christ of Latter-Day Saints	G-19 11C	G-19 17C		Complete
28-Feb-21	0	28-Feb-21	R	GCI Restoration	G-13 12C	G-13 07C		Complete
31-Jan-21	30	2-Mar-21	F	Music Choice	G-30 22C	G-30 22C		Complete
1-Feb-21	30	3-Mar-21	F	Caracol / Intelsat MCPC platform	G-13 04C	G-13 20C		Complete
1-Feb-21	30	3-Mar-21	F	Mega Media / Intelsat MCPC platform	G-13 04C	G-13 20C		Complete
1-Feb-21	30	26-Mar-21	F	BBC / Intelsat MCPC platform	G-13 04C	G-13 20C		Complete
1-Feb-21	30	26-Mar-21	F	NHK / Intelsat MCPC platform	G-13 04C	G-13 20C		Complete
4-Mar-21	0	26-Mar-21	R	GCI Restoration	G-13 20C	G-13 04C		Complete
1-Jan-21	90	1-Apr-21	C, F	FoxCorp	G-17 05C	G-17 21C	HEVC	Complete
1-Jan-21	90	1-Apr-21	C, F	Disney	G-30 11C	G-30 07C	HEVC	Complete
1-Feb-21	90	2-Apr-21	S, F	AT&T Sports	G-17 20C	G-17 11C		Complete
1-Jan-21	90	30-Apr-21	C, S, P, F	Disney	G-15 02C	G-17 17C	HEVC	Complete
1-Jan-21	90	30-Apr-21	C, P, F	Disney	G-17 02C	G-17 17C	HEVC	Complete
2-Mar-21	60	1-May-21	P, F	ShopHQ	G-30 03C	G-30 22C		Complete
1-Feb-21	90	2-May-21	S, F	IKO Media Group	G-23 24C	G-18 15C		Complete
1-Feb-21	90	2-May-21	S, F	Comcast/NBC-U	G-30 04C	G-18 19C		Complete
1-Feb-21	90	2-May-21	C, S, F	MLB	G-13 01C	G-18 21C	HEVC	Complete
1-Feb-21	90	2-May-21	S, P, F	Trinity Broadcasting Network	G-30 01C	G-18 17C		Complete
1-Feb-21	90	2-May-21	C, S, F	MLB	G-17 04C	G-18 21C	HEVC	Complete
1-Mar-21	90	30-May-21	C, P, F	Sinclair	G-15 04C	G-15 21C	HEVC	On Target
1-Mar-21	90	30-May-21	S, P, F	CenturyLink	G-23 04C	G-13 19C		On target
1-Jan-21	90	31-May-21	C	FoxCorp	G-15 10C	G-15 10C	HEVC	On target
1-Jan-21	90	31-May-21	C	FoxCorp	G-17 16C	G-17 16C	HEVC	On target
1-Apr-21	30	31-May-21	P, F	ATCi	G-16 06C	G-16 15C		On target
1-May-21	30	31-May-21	F	US Government	G-13 17C	G-13 05C		On target
5-Dec-19	548	5-Jun-21	C, F	NPR	G-16 01C	G-16 23C	Audio	On target
5-Dec-19	548	5-Jun-21	C	NPR	G-16 23C	G-16 23C	Audio	On target
1-Mar-21	90	30-Jun-21	C, F	Sinclair	G-15 20C	G-15 22C	HEVC	On Target
1-Mar-21	90	30-Jun-21	F	Sinclair	G-15 11C	G-15 21C	HEVC	On Target
1-Mar-21	90	30-Jun-21	F	Sinclair	G-15 12C	G-15 22C	HEVC	On Target
30-Apr-21	60	30-Jun-21	S,F	Disney	G-17 17C	G-30 11C	HEVC	On target
1-Apr-21	90	1-Jul-21	C, S, P, F	Disney	G-30 14C	G-18 24C	HEVC	On target
2-Apr-21	90	1-Jul-21	S, P, F	Overon	G-23 24C	G-23 22C		On target

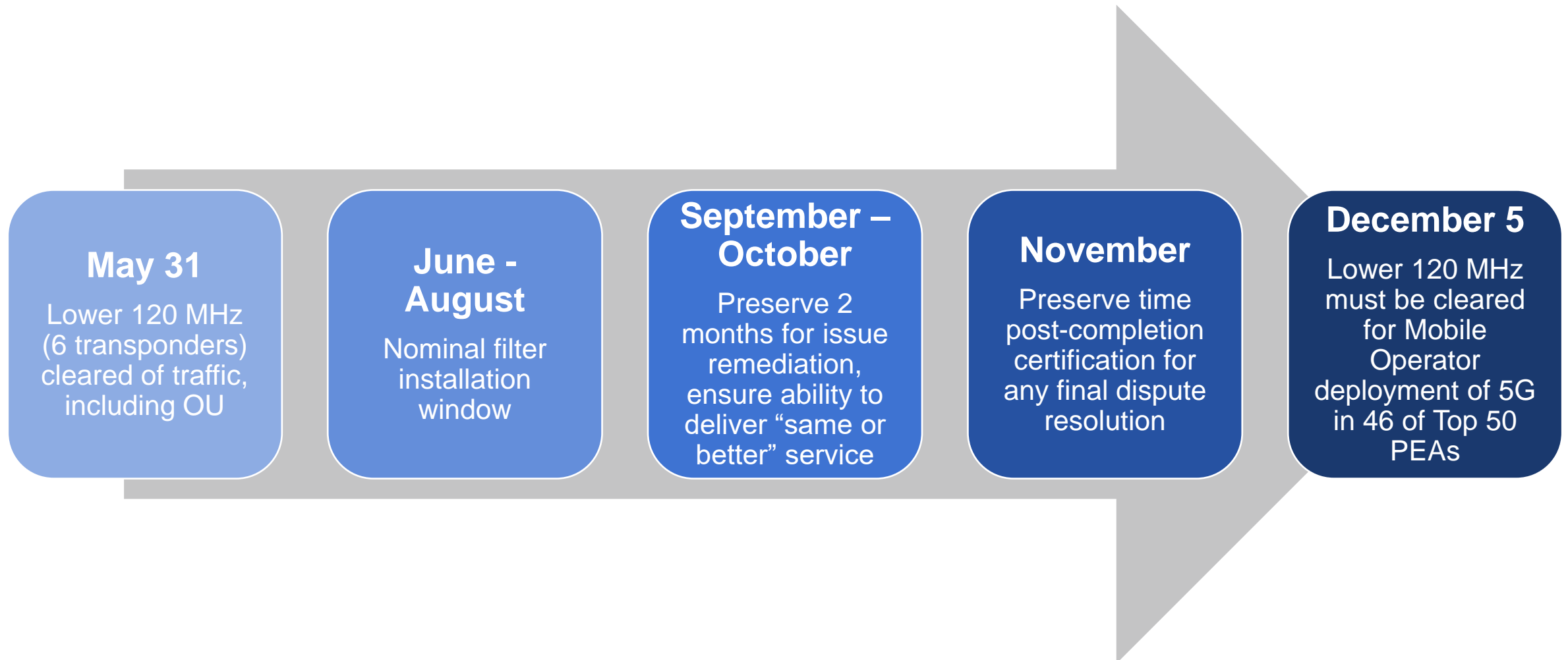
Phase 2 Transitions in 2021

Phase II Start Date	Duration (Days)	Phase II End Date	Change Type	Customer	Phase II Start Sat/Trx	Lower Freq. (MHz)	Upper Freq. (MHz)	Phase II End Sat/Trx	Lower Freq. (MHz)	Upper Freq. (MHz)	Technology Upgrade	Status
1-Jun-21	90	30-Aug-21	C	Sinclair	G-17 08C	3842	3878	G-17 08C	3842	3878	HEVC	On target
1-Jun-21	90	30-Aug-21	C, P, F	Sinclair	G-17 10C	3882	3918	G-17 23C	4142	4178	HEVC	On target
1-Jun-21	90	30-Aug-21	C	Sinclair	G-17 15C	3982	4018	G-17 15C	3982	4018	HEVC	On target
1-Jun-21	90	30-Aug-21	C	Sinclair	G-17 22C	4122	4158	G-17 22C	4122	4158	HEVC	On target
1-May-21	122	31-Aug-21	C	FoxCorp	G-16 19C	4062	4098	G-16 19C	4062	4098	HEVC	On target
1-May-21	122	31-Aug-21	C	FoxCorp	G-3C 18C	4042	4078	G-16 19C	4062	4098	HEVC	On target
1-May-21	122	31-Aug-21	C	FoxCorp	G-3C 19C	4062	4098	G-16 19C	4062	4098	HEVC	On target
1-Jul-21	90	29-Sep-21	C, S, P, F	Disney	G-30 09C	3862	3898	G-17 20C	4082	4118	HEVC	On target
1-Jul-21	90	29-Sep-21	C	Disney	G-18 22C	4122	4158	G-18 22C	4122	4158	HEVC	On target
1-Jun-21	210	28-Dec-21	C, F	Discovery	G-13 22C	4122	4158	G-13 24C	4162	4198	HEVC	On target
1-Oct-21	90	30-Dec-21	C, S, P, F	Disney	G-30 07C	3822	3858	G-17 20C	4082	4118	AVC	On Target

Ground segment update

Phase I Clearing Deadline

Clearing by December 5, 2021 deadline requires filtering completion this Summer



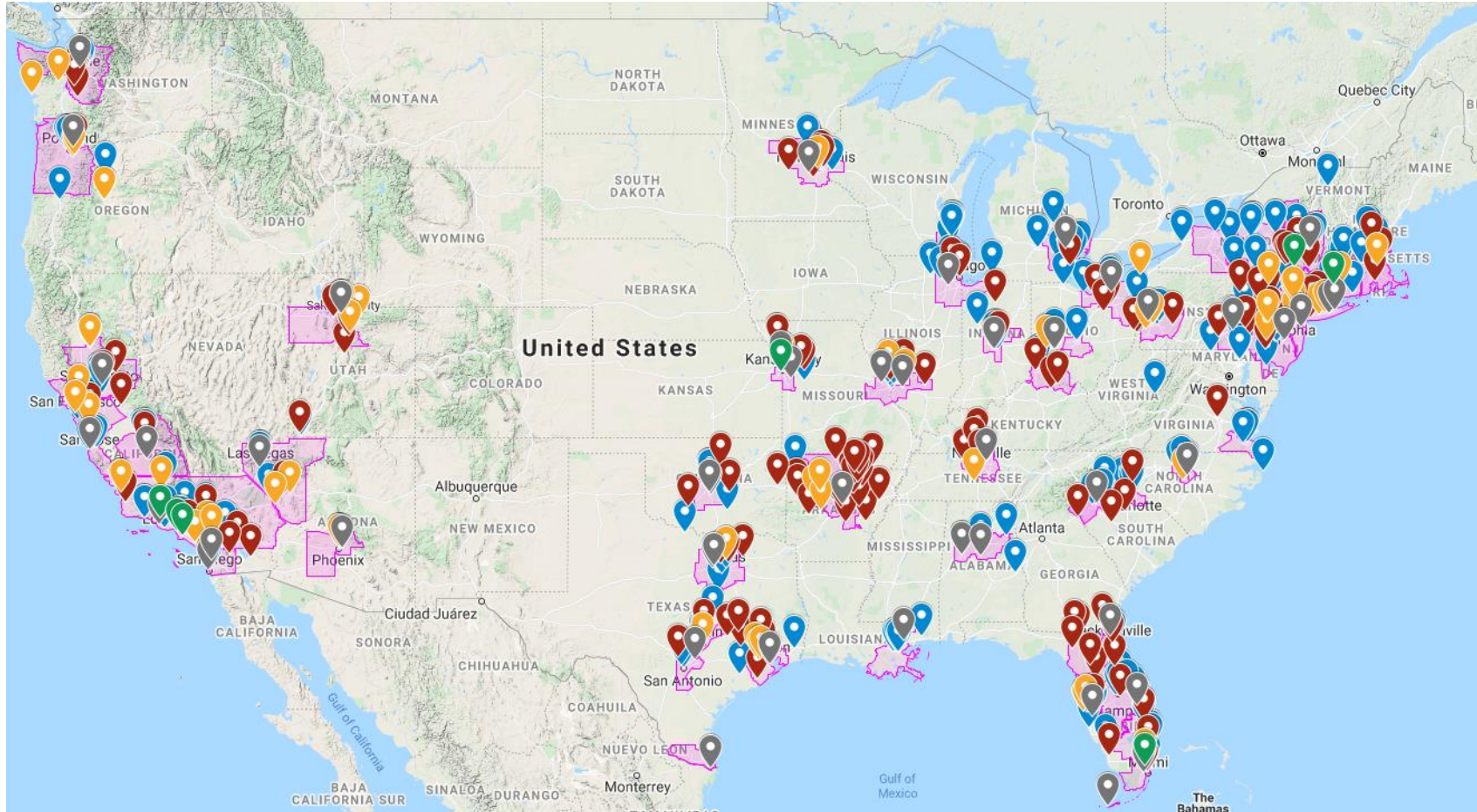
Filter Installation Scheduling



Scheduling for majority of Phase I filter installation begins in May

- Filters must be installed in Phase I PEAs (46 of the top 50) to mitigate against the risk of future interference from 5G operations. Some filter installations already underway; majority will be installed between June and August 2021.
- Intelsat's vendor partners will be scheduling based on their field crew distribution over the Summer to try to optimize the order in which we visit the sites
- Intelsat and SES will be jointly scheduling & filtering shared MVPDs and large teleports leveraging USSI Global. Broadcast and non-MVPDs scheduled independently due to divergent Intelsat and SES customer migration schedules.
- Intelsat has extremely limited flexibility to accommodate special scheduling requests given volume of sites to be addressed – if there are special considerations for your site, please reach out to us at CBandInfo@intelsat.com
- At least 3 scheduling attempts will be made over a 2-week period – timely responses and cooperation are essential
- Unresponsive or uncooperative earth stations risk escalation to the FCC

Intelsat Phase 1 Filtering Plan



Wesco (Broadcasters, other non-MVPDs)

- 364 sites
- 34 crews assigned by State

USSI Global (MVPDs, Large Teleports)

- 159 sites (121 shared w/ SES)
- 17 crews, 23 USSI Field Engineers positioned throughout CONUS

ATCi (Simulsat sites)

- 59 sites (majority shared w/ SES)
- 4 crews assigned by region

Self-Installs (52 sites)

Other Vendors (8 sites)

Questions

Next meeting is 02 June 2021