



Quarterly C-Band Customer Update

Tom McNamara | SVP, Commercial Programs

01 February 2023



C-Band Program Update

The “To-Do” list is shrinking week by week

- Andover Teleport open for business – ribbon-cutting held late 2022
- Phase 2 Customer transitions are ~95% complete to date
 - All transitions to be completed by Feb 16th, 2023
- IRD shipments are complete
- Galaxy 31-36 are launched and either on station or are drifting there currently
 - One remaining launch in 2023
- Phase 2 full-scale filtering is underway and ~61% complete to date



Remaining Transitions

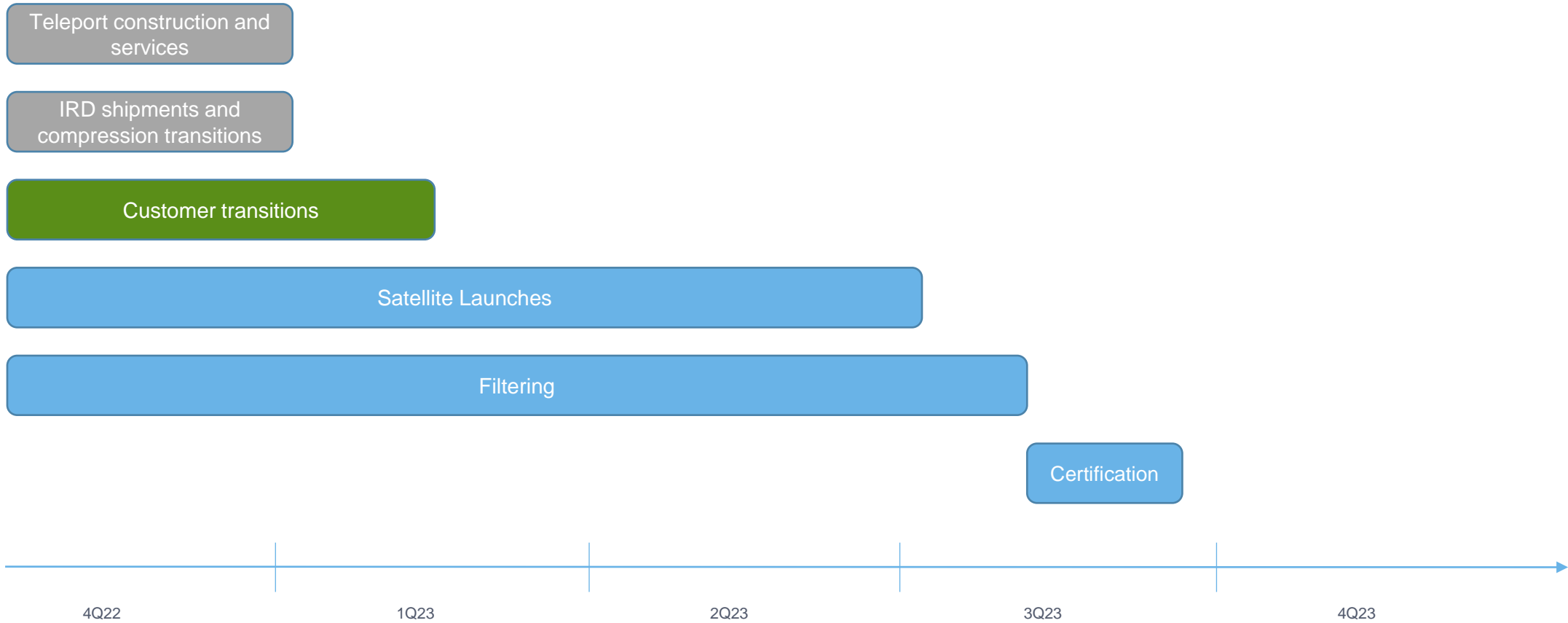
The next time we talk, customer transitions will be done

Start	End	Change	Customer	Sat-Trx Star	Lower Freq. (MHz)	Upper Freq. (MHz)	Sat-Trx End	Lower Freq. (MHz)	Upper Freq. (MHz)	Technology
05-Jan-23	04-Feb-23	F	Altitude Sports & Entertainment	G-17 09C	3862	3898	G-17 23C	4142	4178	
05-Jan-23	04-Feb-23	F	AMC	G-17 13C	3942	3978	G-17 15C	4000	4018	
05-Jan-23	04-Feb-23	F	The SPACECONNECTION	G-17 12C	3922	3958	G-17 18C	4042	4078	
05-Jan-23	04-Feb-23	F	The SPACECONNECTION	G-17 12C	3922	3958	G-17 22C	4122	4158	
30-Jan-23	28-Feb-23	F	ViacomCBS (Paramount)	G-17 10C	3882	3918	G-17 24C	4162	4198	HEVC
30-Jan-23	28-Feb-23	F	ViacomCBS (Paramount)	G-17 14C	3962	3998	G-17 24C	4162	4198	HEVC
01-Mar-23	31-Mar-23	F	Dejero Labs	G-19 14C	3962	3998	G-19 16C	4002	4038	

- Four transitions complete THIS WEEK
- ViacomCBS will perform a frequency change on or about Feb 16th
- At that point, filtering is completely unencumbered for Intelsat, i.e. there is no programming in the lower 300 MHz and filtering can proceed for any Intelsat-pointed antennas

2023 Preview

The Program continues to shrink as the year progresses



Go Live Reminder

Looking ahead to the 5G launch in 3820-4000 MHz

1. Live date for Phase II services

Intelsat intends to complete its filtering activities no later than August 30, 2023. Once we certify and the FCC approves the certification, Mobile Operators are permitted to begin using the middle of the band.

Lump sum electors and unregistered users: Please don't assume that date is December 5, 2023. It could be sooner. Please get your filters installed as soon as possible after Feb 16th to avoid interference.



Interference Update

Very few cases reported

1. Discussion

RF Interference Escalation Contacts

Who to contact if experiencing suspected 5G RF interference

Please escalate any suspected 5G RF interference to both Verizon and AT&T at the contacts below.

Verizon

Email address: interferencesupport@verizonwireless.com

Phone: 800-852-2671, select option 9 when prompted

AT&T

Email address: rf-interference@att.com

For earth stations that Intelsat is responsible for filtering (registered, non-lump sum), please also escalate to us at CBandInfo@intelsat.com so that we can assist with filter installation troubleshooting and remediation.



How To Contact Us

Tom McNamara

Tom.mcnamara@intelsat.com

Transition Website: <http://intelsatcbandtransition.com>

Email: cbandinfo@intelsat.com



C-Band 5G Filter Installation Procedure Recommendation

Procedure recommended by Norsat (LNB manufacturer) to prevent 5G intrusion through LNB and filter





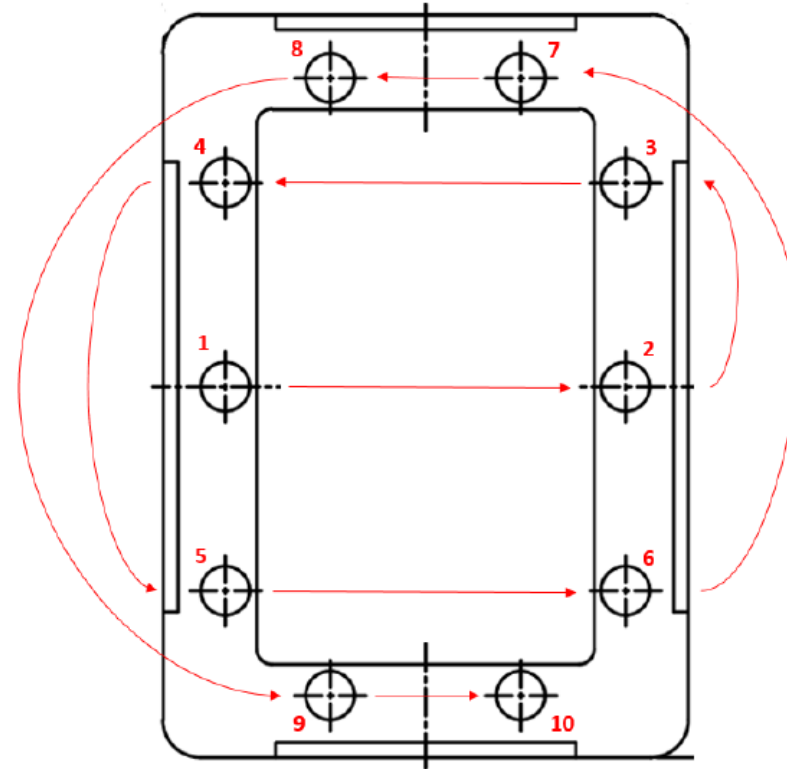
C-Band LNB Assembly Installation Instructions

Torque Specifications

- The C-Band LNBS require 10 stainless steel screws with 1/4"-20 thread size.
- The recommended torque specification for this thread size is **75 in-lbs** – this specification should be followed for every LNB installation whether it is directly installed into a system with tapped holes or through a waveguide using 1/4" nuts.
- An adjustable torque wrench is recommended for the installation.

Tightening Sequence

- A spiral tightening sequence starting in the middle is recommended.
- Tightening should also be split in 2 separate instances. Starting with half the specified torque (~35 in-lbs) first and then with 75 in-lbs ensuring the sequence is followed for both instances.



Installation Instruction

- Insert gasket included with the LNB into the groove of the LNB.
- Locate LNB fasteners and washers.
- On the screw threads, apply two to three drops of Loctite 242. Do this for all fasteners.
- Firmly Place the LNB onto the system with the threads and fasteners in but not engaged/ tightened.
- Spec the torque wrench/ screw to ~35 in-lbs and tighten the fasteners in spiral sequence.
- Spec the torque wrench/ screw to 75 in-lbs and tighten the fasteners again in a spiral sequence.