

SES AMERICOM, INC. C-BAND TRANSITION QUARTERLY REPORT (published 03/31/22)

Overall Highlights



- **We remain on track and in some cases ahead of schedule for completing our Phase II transition activities in advance of the December 5, 2023 clearing deadline.**
 - As of March 15, 2022, SES has completed approximately **34%** of Phase II satellite transitions.
 - We have installed “blue” filters at approximately **42%** of the Incumbent Earth Station (IES) locations associated with SES satellites.¹
 - We have installed approximately **20%** of the antennas associated with our Phase II transition schedule.
 - Gateway services that will be transitioned to our Brewster or Hawley facilities are also on schedule, with approximately **70%** of the transitions associated with Phase II now completed.



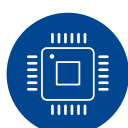
Satellite Manufacture and Launch Procurement

- **Satellite procurement and launch programs are progressing, with the first launch scheduled for early July 2022.**
 - In early July 2022, SpaceX will launch the first Thales satellite, SES-22, to 135° W.L., where it is expected to start operations by early August 2022, enabling SES to maintain its Phase II clearing schedule.
 - The Boeing satellites, SES-20 and SES-21, are expected to be launched by ULA in August 2022.
 - The Northrop Grumman satellites, SES-18 and SES-19, have experienced manufacturing delays and will not be commercially available in space until the end of Q4 2022 at the earliest. The 30-day launch slot selection for SES-18 and SES-19 is still to be confirmed.
 - Construction of the second Thales satellite, SES-23, began on June 1, 2021. The launcher for SES-23 has not been assigned.



Satellite Service Migrations

- **As of March 15, 2022, SES has completed approximately 34% of Phase II service transitions on our satellites.**
 - Based on our performance in the completion of our Phase I service transitions, we anticipate completing all Phase II service transitions on time and in accordance with our overall timelines as reflected in our Transition Plan.



Compression Technology

- **100% of uplink services subject to compression are currently in service.**
- **100% of IESs subject to compression have been fully transitioned and on air since October 31, 2021.**



Incumbent Earth Station Migration

- **As of March 15, 2022, we have installed approximately 42% of the filters and 20% of the new antennas we anticipate will be needed to complete the Phase II transition.**
 - USSI continues to conduct virtual site surveys for IESs subject to our Phase II activities to identify the information needed for SES to prepare the sites for satellite service transitions and the eventual installation of filters.
 - We will continue to identify IESs that require new antennas through our outreach efforts.



TT&C/Gateway Construction/Service Transition

- **Construction of TT&C/Gateway facilities in Brewster, WA, and Hawley, PA, remains on target.**
 - The full motion TT&C antenna installations, along with the associated ground equipment, are complete at Hawley and are near completion at Brewster.
 - All four gateway antenna systems planned for the Hawley facility have been fully installed, tested and put into operation.
 - Phase II TT&C antenna construction and the modification of existing antennas to be utilized for TT&C purposes has commenced at SES's Hawley, Manassas, Woodbine, South Mountain, and Hawaii locations.
 - As of March 15, 2022, approximately **70%** of Phase II gateway services have been transitioned.

¹“Blue” filters block the lower 300 MHz of the C-band (3700 – 4000 MHz).
A description of the filter specifications is available [here](#).