

SES AMERICOM, INC. C-BAND TRANSITION QUARTERLY REPORT (published 06/30/22)

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 June 15, 2022, SES has completed approximately **38%** of Phase II satellite transitions.
 - We have installed “blue” bandpass filters at approximately **53%** of the Incumbent Earth Station (IES) locations associated with SES satellites.¹
 - We have installed approximately **85%** 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 **85%** of the transitions associated with Phase II now complete.



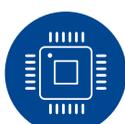
Satellite Manufacture and Launch Procurement

- **Satellite procurement and launch programs are progressing, with the first successful launch on June 29, 2022.**
 - On June 29, 2022, SpaceX launched the first C-band satellite, SES-22, to 135° West, where it is expected to start operations by early August 2022, enabling SES to maintain its Phase II clearing schedule.
 - SES-20 and SES-21, are expected to be launched by ULA in September 2022.
 - SES-18 and SES-19, have experienced manufacturing delays and may not be commercially available by the end of Q4 2022. The delay is not expected to affect the clearing timeline, which remains on-schedule.



Satellite Service Migrations

- **As of June 15, 2022, SES has completed approximately 38% of Phase II service transitions on our satellites.**
 - Based on our performance completing our Phase I service transitions, we anticipate completing all Phase II service transitions on time.



Compression Technology

- **All compression activities were completed as of October 31, 2021.**



Incumbent Earth Station Migration

- **As of June 15, 2022, we have installed approximately 53% of the filters and 85% of the new antennas identified for Phase II clearing.**
 - USSI continues to conduct virtual site surveys for IESs subject to our Phase II activities to identify the information needed 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 for the new C-band spacecraft is nearing completion at SES’s Hawley, Manassas, Woodbine, South Mountain, and Hawaii locations.
 - As of June 15, 2022, approximately **85%** 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](#).