GSAT-31
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GSAT-31 is a communication satellite of India that will augment the Ku-band transponder capacity in Geostationary Orbit. The satellite provides Indian mainland and island coverage.

GSAT-31 is configured on ISRO’s enhanced I-2K Bus, utilising the maximum bus capabilities of this type. GSAT-31 will provide continuity to operational services on some of the in-orbit satellites.

The satellite is scheduled for launch onboard Ariane-5 launch vehicle (VA 247) from French Guiana.

Salient features

1. Lift of Mass : 2535 kg
2. Spacecraft Power : 4.7 kW
3. Payload : Ku-band transponders
4. Coverage Area : Indian Mainland and Island
5. Mission Life : Around 15 Years

Milestones

40th Communication Satellite of India
Applications

- GSAT-31 will be used for supporting VSAT networks, Television uplinks, Digital Satellite News Gathering (DSNG), DTH-television services, cellular backhaul connectivity and many such applications.
- The satellite also provides wide beam coverage using a wide band transponder.
- Two Ku-band beacon downlink signals are transmitted by the satellite for ground tracking purpose.