

A night sky with a bright, curved light streak, possibly a meteor or satellite, arching across the frame. The streak is reflected on a dark surface, likely water, at the bottom. The background is dark with some faint stars and clouds.

OKAPI:LEOP Support for First Contact

Ensures a Successful LEOP in Rideshare Missions

Overview

Launching with a rideshare mission?

Establishing contact with your satellite as early as possible is crucial, especially when deployed alongside hundreds of others. OKAPI:LEOP Support for First Contact significantly reduces the time to first orbit solution (TLE or OEM) to just a few hours using dedicated observation data. This ensures accurate antenna pointing and enables successful early contact even after pre-launch TLEs degrade.

Additionally, a screening against our space object catalog is performed to safeguard your satellite and generate the first CDMs.



Challenges in Rideshare Launches

- Multiple satellites are inserted into the same orbit simultaneously.
- Contact using insertion TLEs may only be possible within the first few revolutions.
- Public TLEs may be unavailable for the first few days or weeks, making satellite contact challenging post-launch.





Our Value Addition to Conventional LEOP Support

- **Pre-launch analysis:**
Provides the best contact strategy based on initial data.
- **Dedicated tracking & advanced data fusion:**
Supports precise orbit determination throughout the service duration.
- **Highly accurate TLE generation:**
Utilizes our sensor network and internal computation to maximize successful contact chances.

OKAPI:LEOP Support for First Contact Service Packages

- Lite | Cost-effective LEOP support service using RF observation. Ideal for customers relying on external TLEs.
- Insurance | Pay a small premium upfront and upgrade to full service if issues arise post-orbit insertion.
- Nominal | Comprehensive LEOP service with end-to-end support, including dedicated tracking and advanced data fusion. Recommended for first ever launch
- Emergency | On-demand LEOP service activated after launch for operators struggling to establish contact.



• Why Choose OKAPI:LEOP Support for First Contact?

- **Faster Time to First Orbit Solution:**
Minimize downtime and ensure early connectivity.
- **Enhanced Safety & Compliance:**
Reduce collision risks with space object catalog screening.
- **Scalable & Flexible Package:**
Solutions tailored for all mission needs, from basic tracking to full-scale emergency support.

OKAPI ORBITS

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