

Launch Collision Avoidance (LCOLA) Survey

Information requested for Launch Collision Avoidance (LCOLA) NWIP, per WG3/WG7 joint session at BSI London meeting, 11 Jun 2019

Attribute	Japan (Example)	Your country/agency/operator
Specific name of country/agency/operator	Japan (JAXA)	Russian Federation (ROSCOSMOS)
Screened objects	All launch vehicle upper stage(s), deployed payloads and associated deployment devices (if any) that reach altitudes above 150 km are screened against human-inhabited or human-habitable spacecraft.	All launch vehicle upper stage(s), deployed payloads and associated deployment devices (if any) are screened against human-inhabited or human-habitable spacecraft.
Safety LCOLA	Pre-launch evaluation is conducted at t-24 hours (typically) covering the first 60 hours of flight, using a screening criterion based upon a miss distance 200 km radius sphere sliced at +/- 50 km. If insufficient launch window opportunities exist based upon this screening, then additional launch opportunities are sought by adjudicating these LCOLA violations using a collision probability threshold of 1×10^{-6}	Pre-launch evaluation is conducted at t-72 hours (typically) covering the first 72 hours of flight, using a different screening criterion for different missions (manned or unmanned spacecraft).
Mission Assurance LCOLA	Not Performed	Not Performed
Источник данных по орбитам Orbit data source(s)	ISS trajectory: NASA Human Spaceflight website Other space objects: Space-Track	Orbit data from Russian Automated hazard warning system and public such as space-track
Organization performing analysis	JAXA (under contract to LSP)	TSNIIMASH (Roscosmos)
Remarks	(none)	(none)