



SPACE DEVELOPMENT AGENCY'S TRANCHE 0 MISSION

MISSION OVERVIEW

SpaceX is targeting Friday, March 31 at 7:29 a.m. PT (14:29 UTC) for a Falcon 9 launch of the **Space Development Agency's Tranche 0 mission** to low-Earth orbit from Space Launch Complex 4E (SLC-4E) at Vandenberg Space Force Base in California.

The first stage booster supporting this mission previously launched one Starlink mission. Following stage separation, the first stage will land on Landing Zone 4 (LZ-4) at Vandenberg Space Force Base.

The space vehicles launched during this mission will serve a part of **SDA's Proliferated Warfighter Space Architecture**, a new layered network of satellites in low-Earth orbit and supporting elements that will provide global military communication and missile warning, indication, and tracking capabilities.

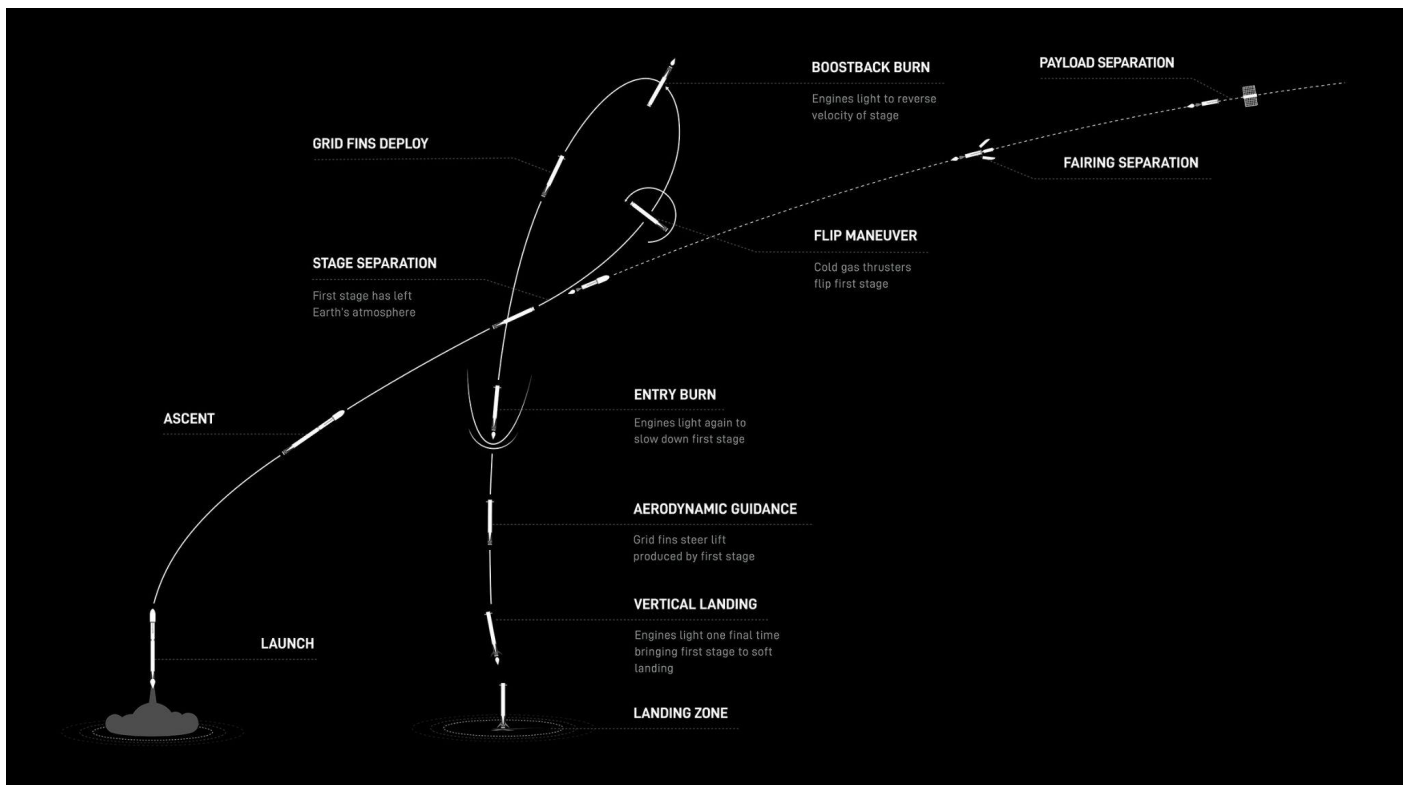
WEBCAST

A live webcast of this mission will begin about 15 minutes prior to liftoff.

PHOTOS

High-resolution photos will be posted at [flickr.com/spacex](https://www.flickr.com/photos/spacex/).

MISSION PROFILE



MISSION TIMELINE (ALL TIMES APPROXIMATE)

COUNTDOWN

Hr/Min/Sec	Event
- 00:38:00	SpaceX Launch Director verifies go for propellant load
- 00:35:00	RP-1 (rocket grade kerosene) loading begins
- 00:35:00	1st stage LOX (liquid oxygen) loading begins
- 00:16:00	2nd stage LOX loading begins
- 00:07:00	Falcon 9 begins engine chill prior to launch
- 00:01:00	Command flight computer to begin final prelaunch checks
- 00:01:00	Propellant tank pressurization to flight pressure begins
- 00:00:45	SpaceX Launch Director verifies go for launch
- 00:00:03	Engine controller commands engine ignition sequence to start
- 00:00:00	Falcon 9 liftoff

LAUNCH, LANDING AND DEPLOYMENT

Hr/Min/Sec	Event
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:17	1st stage main engine cutoff (MECO)
00:02:20	1st and 2nd stages separate
00:02:28	2nd stage engine starts (SES-1)
00:02:33	Boostback burn start
00:03:02	Fairing deployment
00:03:28	Boostback burn end
00:06:09	1st stage entry burn start
00:06:25	1st stage entry burn complete
00:07:15	1st stage landing burn start
00:07:48	1st stage landing