



ONEWEB 1 MISSION

MISSION OVERVIEW

SpaceX is targeting Thursday, December 8 for a Falcon 9 launch of the **OneWeb 1** mission to low-Earth orbit from Launch Complex 39A (LC-39A) at NASA's Kennedy Space Center in Florida. Liftoff is targeted for 5:27 p.m. ET (22:27 UTC).

The first stage booster supporting this mission previously launched CRS-24, Eutelsat HOTBIRD 13F, and one Starlink mission. Following stage separation, the first stage will land on Landing Zone 1 (LZ-1) at Cape Canaveral Space Force Station.

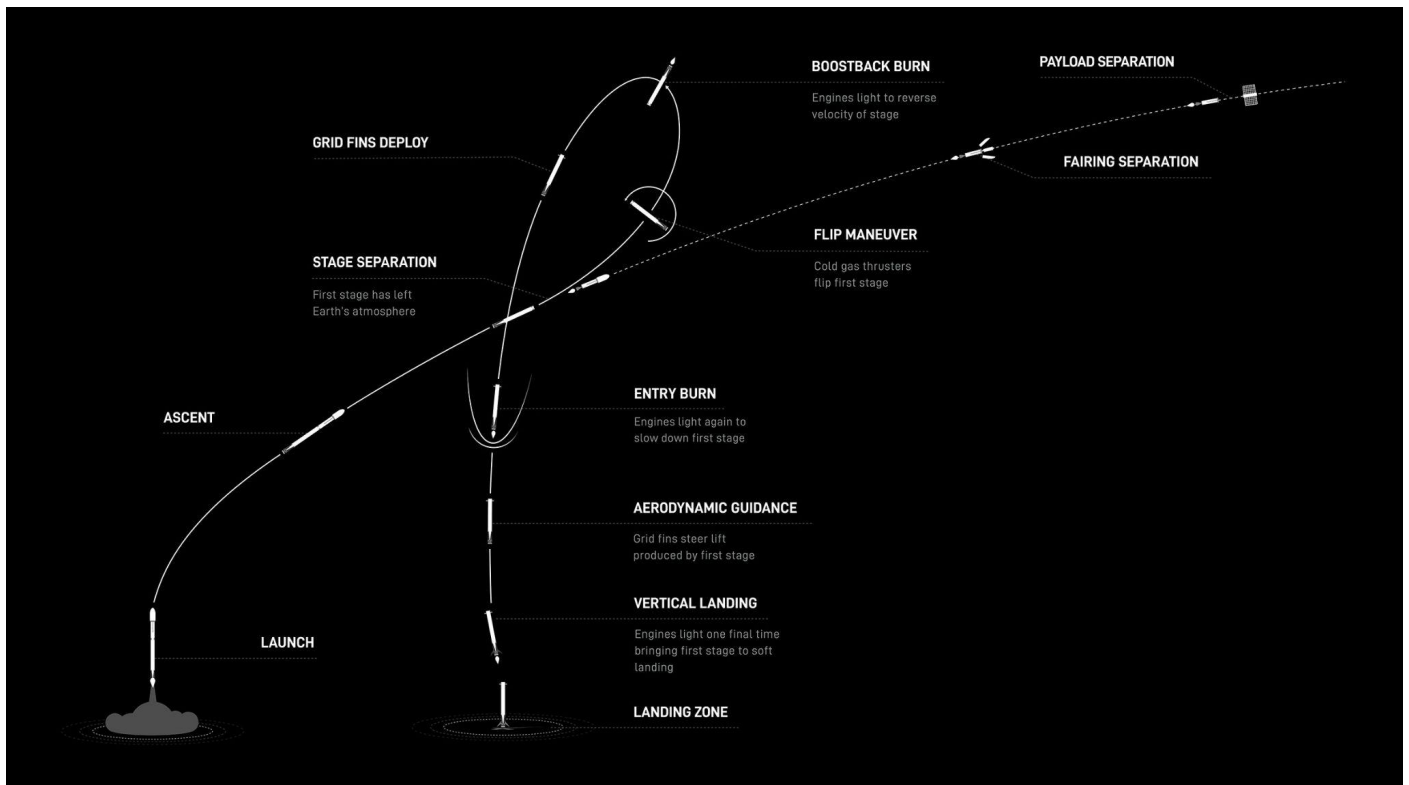
WEBCAST

[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 underway |
| - 00:35:00 | 1st stage LOX (liquid oxygen) loading underway |
| - 00:16:00 | 2nd stage LOX loading underway |
| - 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 |
| 00:02:34 | Boostback burn start |
| 00:03:22 | Boostback burn complete |
| 00:03:33 | Fairing deployment |
| 00:06:04 | 1st stage entry burn start |
| 00:06:21 | 1st stage entry burn complete |
| 00:07:18 | 1st stage landing burn start |
| 00:07:45 | 1st stage landing |
| 00:08:31 | 2nd stage engine cutoff (SECO-1) |
| 00:55:14 | 2nd stage engine starts (SES-2) |
| 00:55:17 | 2nd stage engine cutoff (SECO-2) |
| 00:58:28 | 14 OneWeb satellites deploy |
| 01:13:53 | 13 OneWeb satellites deploy |
| 01:29:18 | 13 OneWeb satellites deploy |