



ONEWEB LAUNCH 17 MISSION

MISSION OVERVIEW

SpaceX is targeting Thursday, March 9 at 2:13 p.m. ET (19:13 UTC) for Falcon 9's launch of the **OneWeb Launch 17 mission** to low-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. If needed, there is a backup opportunity available on Friday, March 10 at 2:08 p.m. ET (19:08 UTC).

The first stage booster supporting this mission previously launched GPS III Space Vehicle 04, GPS III Space Vehicle 05, Inspiration4, Ax-1, Nilesat 301, and seven Starlink missions. Following stage separation, the first stage will land on Landing Zone 1 (LZ-1) at Cape Canaveral Space Force Station.

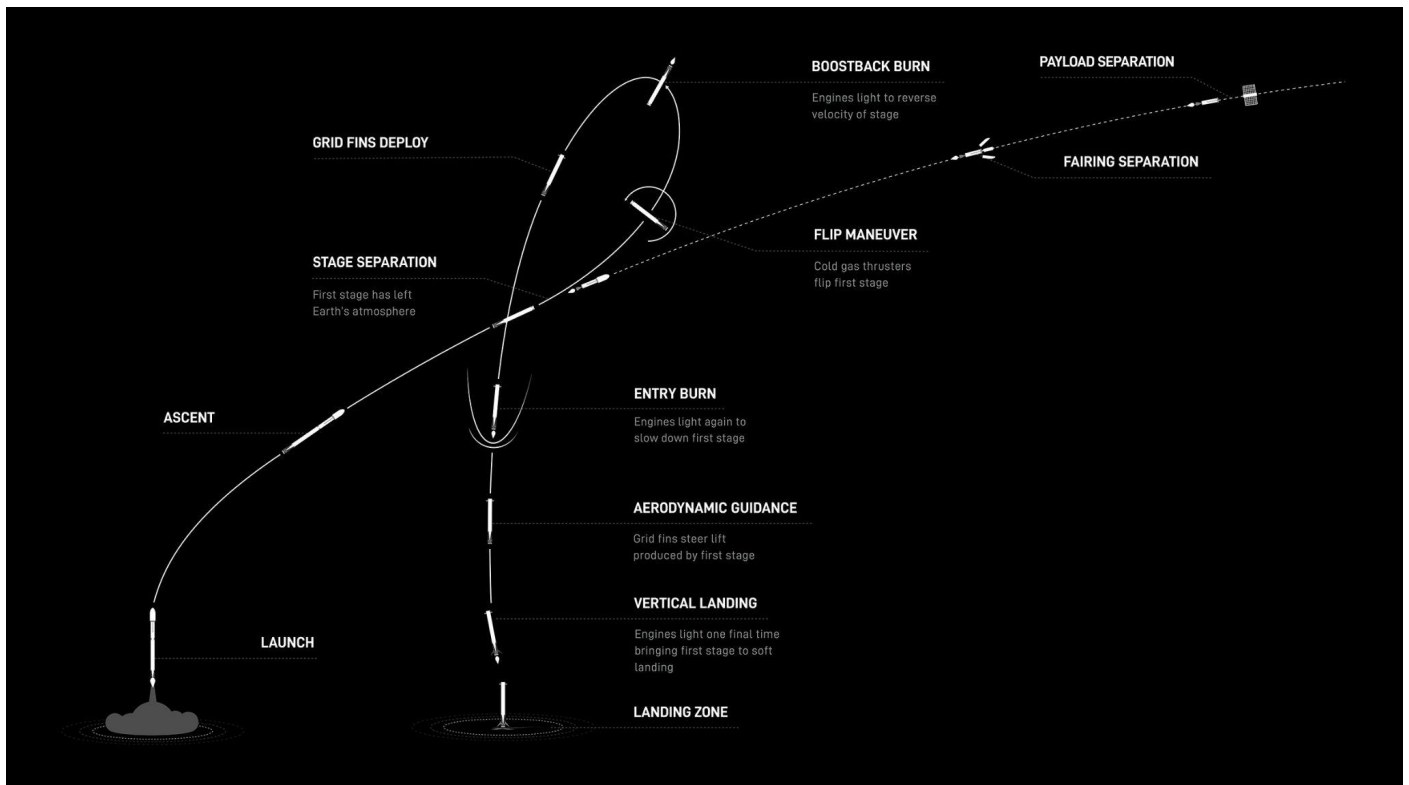
WEBCAST

A live webcast of this mission will begin about fifteen 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
00:02:34	1st stage boostback burn starts
00:03:22	1st stage boostback burn ends
00:03:33	Fairing deployment
00:06:10	1st stage entry burn starts
00:06:28	1st stage entry burn ends
00:07:23	1st stage landing burn start
00:07:50	1st stage landing
00:08:34	2nd stage engine cutoff (SECO-1)
00:55:17	2nd stage engine starts (SES-2)
00:55:20	2nd stage engine cutoff (SECO-2)
00:58:50	Deployment of first and second OneWeb satellites
00:59:14	Deployment of third and fourth OneWeb satellites
01:00:14	Deployment of fifth and sixth OneWeb satellites
01:00:35	Deployment of seventh and eighth OneWeb satellites
01:01:07	Deployment of ninth and 10th OneWeb satellites
01:02:42	Deployment of 11th and 12th OneWeb satellites
01:04:28	Deployment of 13th and 14th OneWeb satellites
01:14:22	Deployment of 15th and 16th OneWeb satellites
01:14:39	Deployment of 17th OneWeb satellite
01:15:42	Deployment of 18th and 19th OneWeb satellites
01:17:30	Deployment of 20th and 21st OneWeb satellites
01:18:02	Deployment of 22nd and 23rd OneWeb satellites
01:19:14	Deployment of 24th and 25th OneWeb satellites
01:19:53	Deployment of 26th and 27th OneWeb satellites
01:29:40	Deployment of 28th and 29th OneWeb satellites
01:30:42	Deployment of 30th OneWeb satellite
01:31:07	Deployment of 31st and 32nd OneWeb satellites
01:32:12	Deployment of 33rd OneWeb satellite
01:32:20	Deployment of 34th OneWeb satellite
01:33:14	Deployment of 35th and 36th OneWeb satellites
01:34:39	Deployment of 37th and 38th OneWeb satellites
01:35:18	Deployment of 39th and 40th OneWeb satellites

