



ONEWEB LAUNCH 16 MISSION

MISSION OVERVIEW

SpaceX is targeting Sunday, January 8 for a Falcon 9 launch of the OneWeb Launch 16 mission to low-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. Liftoff is targeted for 11:55 p.m. ET (04:55 UTC on January 9), and a backup opportunity is available on Monday, January 9 at 11:50 p.m. ET (04:50 UTC on January 10).

The first stage booster supporting this mission previously launched CRS-26. Following stage separation, the first stage will land on Landing Zone 1 (LZ-1) at Cape Canaveral Space Force Station.

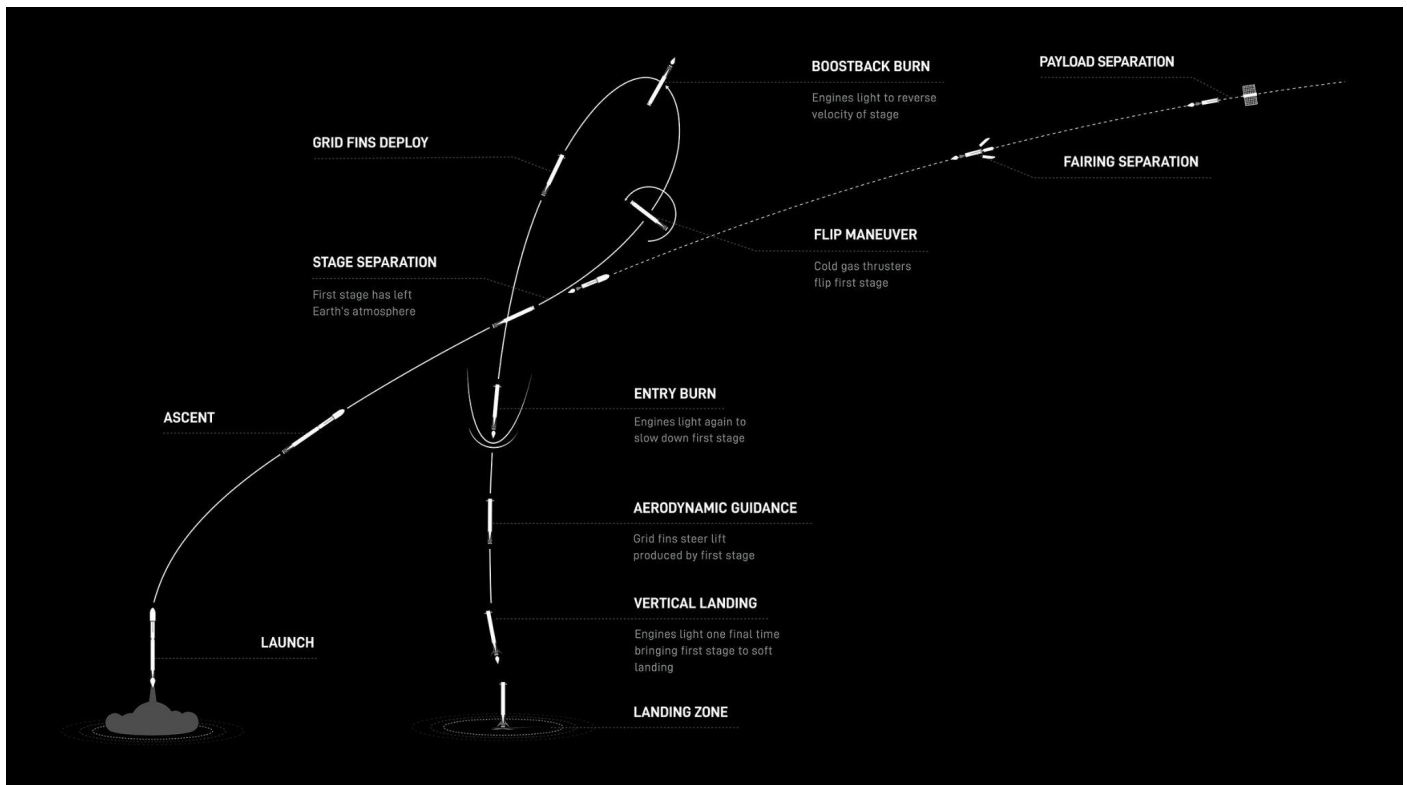
WEBCAST

[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 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)
00:02:18	1st stage main engine cutoff (MECO)
00:02:21	1st and 2nd stages separate
00:02:28	2nd stage engine starts
00:02:34	1st stage boostback burn starts
00:03:21	1st stage boostback burn ends
00:03:34	Fairing deployment
00:06:20	1st stage entry burn starts
00:06:36	1st stage entry burn ends
00:07:27	1st stage landing burn start
00:07:56	1st stage landing
00:08:32	2nd stage engine cutoff (SECO-1)
00:55:14	2nd stage engine starts (SES-2)
00:55:17	2nd stage engine cutoff (SECO-2)
00:58:49	Deployment of first and second OneWeb satellites
00:59:12	Deployment of third and fourth OneWeb satellites
01:00:13	Deployment of fifth and sixth OneWeb satellites
01:00:34	Deployment of seventh and eighth OneWeb satellites
01:01:05	Deployment of ninth and 10th OneWeb satellites
01:02:40	Deployment of 11th and 12th OneWeb satellites
01:04:27	Deployment of 13th and 14th OneWeb satellites
01:14:21	Deployment of 15th and 16th OneWeb satellites
01:14:37	Deployment of 17th OneWeb satellite
01:15:40	Deployment of 18th and 19th OneWeb satellites
01:17:29	Deployment of 20th and 21st OneWeb satellites
01:18:00	Deployment of 22nd and 23rd OneWeb satellites
01:19:13	Deployment of 24th and 25th OneWeb satellites
01:19:52	Deployment of 26th and 27th OneWeb satellites
01:29:39	Deployment of 28th and 29th OneWeb satellites
01:30:41	Deployment of 30th OneWeb satellite
01:31:05	Deployment of 31st and 32nd OneWeb satellites
01:32:10	Deployment of 33rd OneWeb satellite
01:32:18	Deployment of 34th OneWeb satellite
01:33:13	Deployment of 35th and 36th OneWeb satellite
01:34:38	Deployment of 37th and 38th OneWeb satellite
01:35:17	Deployment of 39th and 40th OneWeb satellite

