



# TRANSPORTER-1 MISSION

## MISSION OVERVIEW

SpaceX is targeting Sunday, January 24 for launch of [Transporter-1](#), SpaceX's first dedicated [SmallSat Rideshare Program](#) mission, from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The 22-minute launch window opens at 10:00 a.m. EST, or 15:00 UTC.

Falcon 9's first stage booster previously supported launch of Crew Dragon's second demonstration mission, the ANASIS-II mission, a Starlink mission, and launch of Dragon's 21st cargo resupply mission to the International Space Station. Following stage separation, SpaceX will land Falcon 9's first stage on the Of Course I Still Love You dronship, which will be stationed in the Atlantic Ocean.

On board this launch are 133 commercial and government spacecraft (including CubeSats, microsats, and orbital transfer vehicles) and 10 Starlink satellites – the most spacecraft ever deployed on a single mission. The Starlink satellites aboard this mission will be the first in the constellation to deploy to a polar orbit.

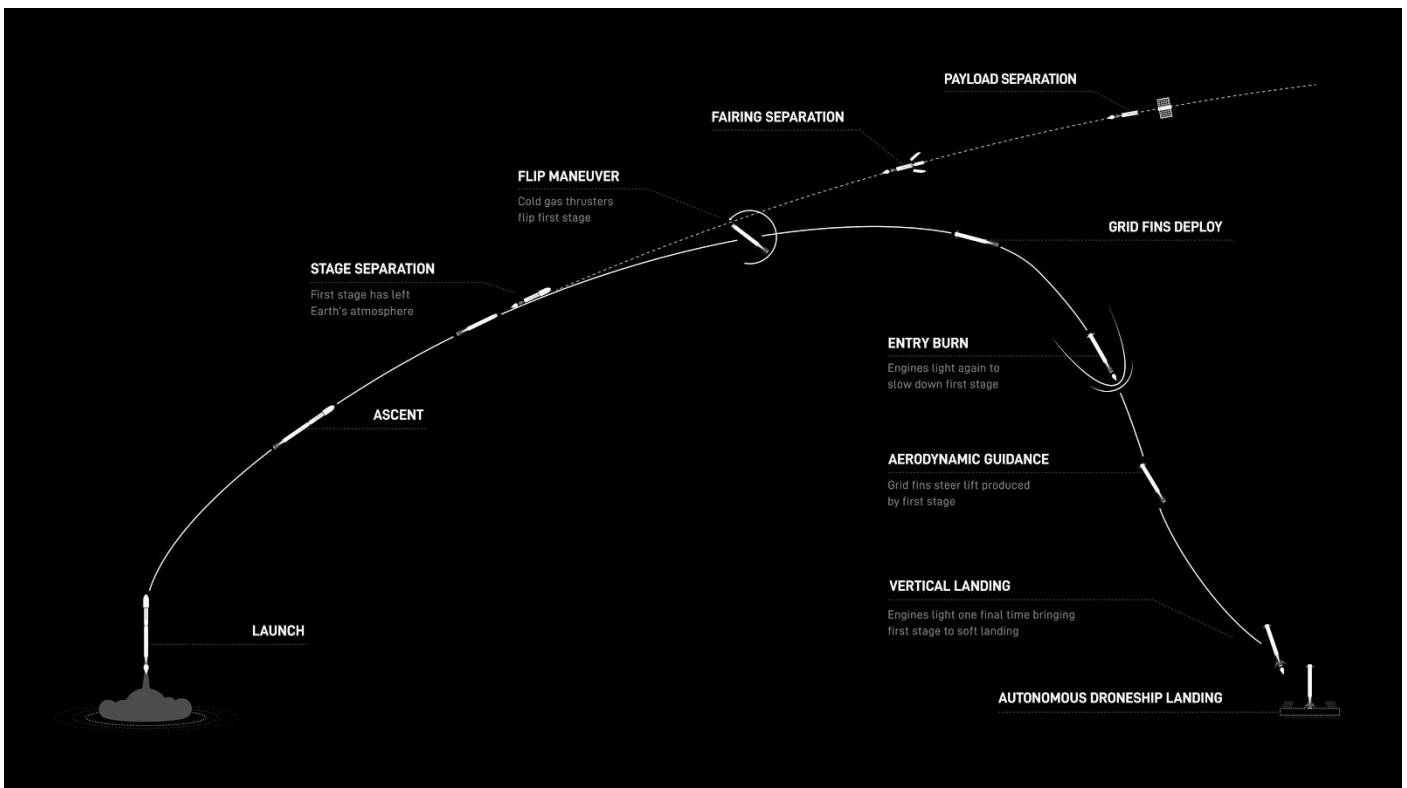
## WEBCAST

You can watch a live webcast of this mission, which will begin about 15 minutes prior to liftoff, [here](#).

## PHOTOS

High-resolution photos will be posted at [flickr.com/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)
00:02:28	1st stage main engine cutoff (MECO)
00:02:36	1st and 2nd stages separate
00:02:40	2nd stage engine starts
00:02:51	Fairing deployment
00:07:47	1st stage entry burn begins
00:08:35	2nd stage engine cutoff (SECO)
00:09:42	1st stage landing
00:54:35	2nd stage engine restarts
00:54:37	2nd stage engine cutoff (SECO-2)
00:58:59	36 Planet SuperDoves begin deployment
00:59:00	17 spacecraft aboard Kepler's port begin deployment
00:59:09	NASA's V-R3x mission, 3 CubeSats aboard Maverick's Mercury dispenser, begin deployment
01:08:19	Nanoracks' Eyries-1 mission's 9 payloads begin deployment
01:08:44	EXOport-2, with 28 spacecraft aboard, begins deployment
01:13:58	Capella-3 deploys
01:14:10	EXOport-1, with two ICEYE satellites aboard, begins deployment
01:14:23	Spaceflight Inc. customer iQPS's second SAR satellite, iQPs-2, deploys
01:15:38	Capella-4 deploys
01:16:10	Spaceflight Inc's Sherpa-FX1 spacecraft deploys with 13 spacecraft on board
01:16:28	D-Orbit's Pulse mission deploys with 20 spacecraft on board
01:31:10	Starlink satellites deploy