

# STARLINK GROUP 5-11 MISSION



## MISSION OVERVIEW

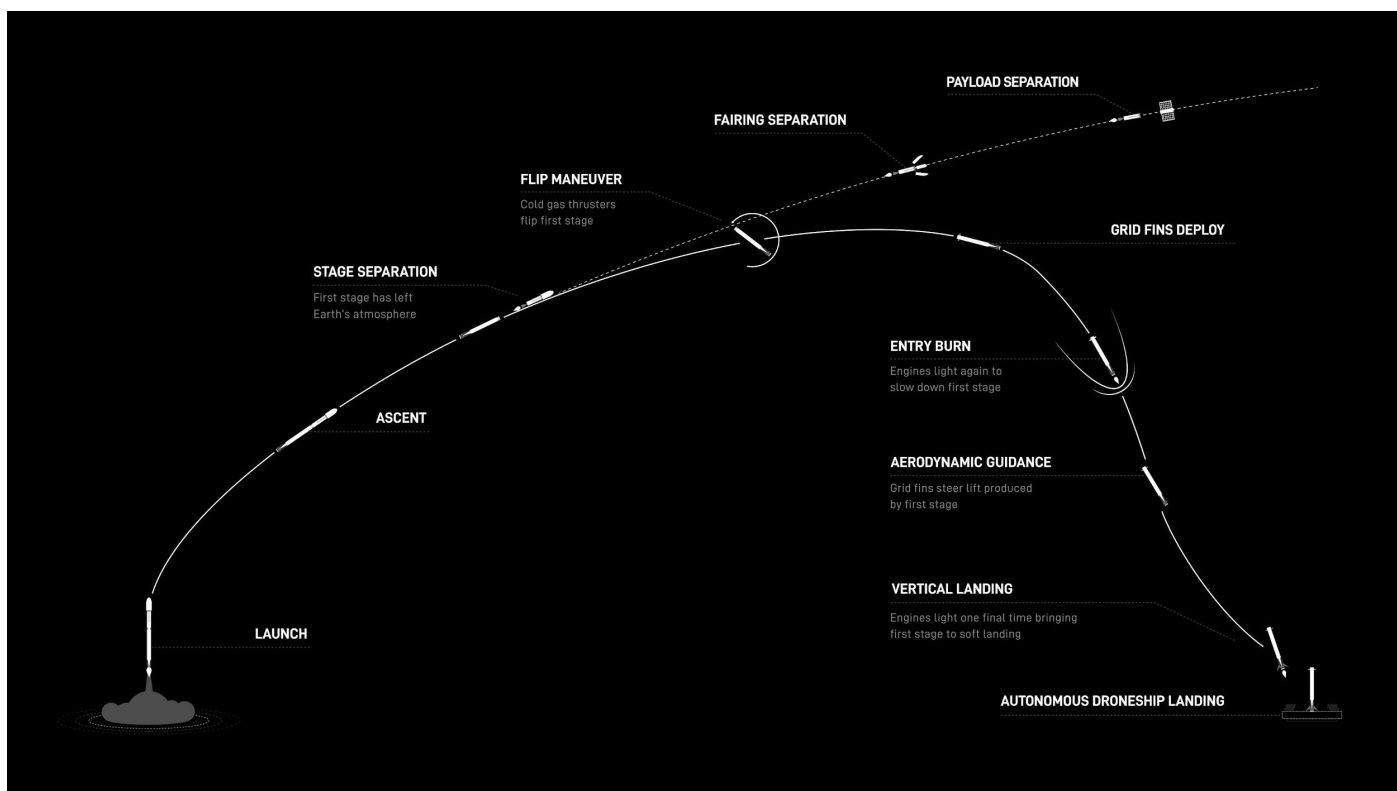
SpaceX is targeting Monday, June 12 at 3:10 a.m. ET (07:10 UTC) for a Falcon 9 launch of 53 **Starlink** satellites to low-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. If needed, there is an additional launch opportunity the same day at 4:52 a.m. ET (8:52 UTC). Backup opportunities are also available Tuesday, June 13 at 2:45 a.m. ET (06:45 UTC) and 4:26 a.m. ET (8:26 UTC).

## WEBCAST

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

The first stage booster supporting this mission previously launched SES-22, ispace's HAKUTO-R Mission 1, Hispasat Amazonas Nexus, CRS-27, and four Starlink missions. Following stage separation, the first stage will land on the Just Read the Instructions dronship stationed in the Atlantic Ocean.

## MISSION PROFILE



# MISSION TIMELINE (ALL TIMES APPROXIMATE)

## COUNTDOWN

<b>Hr/Min/Sec</b>	<b>Event</b>
- 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

<b>Hr/Min/Sec</b>	<b>Event</b>
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:25	1st stage main engine cutoff (MECO)
00:02:28	1st and 2nd stages separate
00:02:35	2nd stage engine starts (SES-1)
00:02:43	Fairing deployment
00:06:14	1st stage entry burn begins
00:06:39	1st stage entry burn ends
00:08:02	1st stage landing burn begins
00:08:25	1st stage landing
00:08:35	2nd stage engine cutoff (SECO-1)
00:54:06	2nd stage engine starts (SES-2)
00:54:08	2nd stage engine cutoff (SECO-2)
01:05:24	Starlink satellites deploy