

UPCOMING LAUNCH

# TELKOMSAT MERAH PUTIH 2 MISSION

WATCH



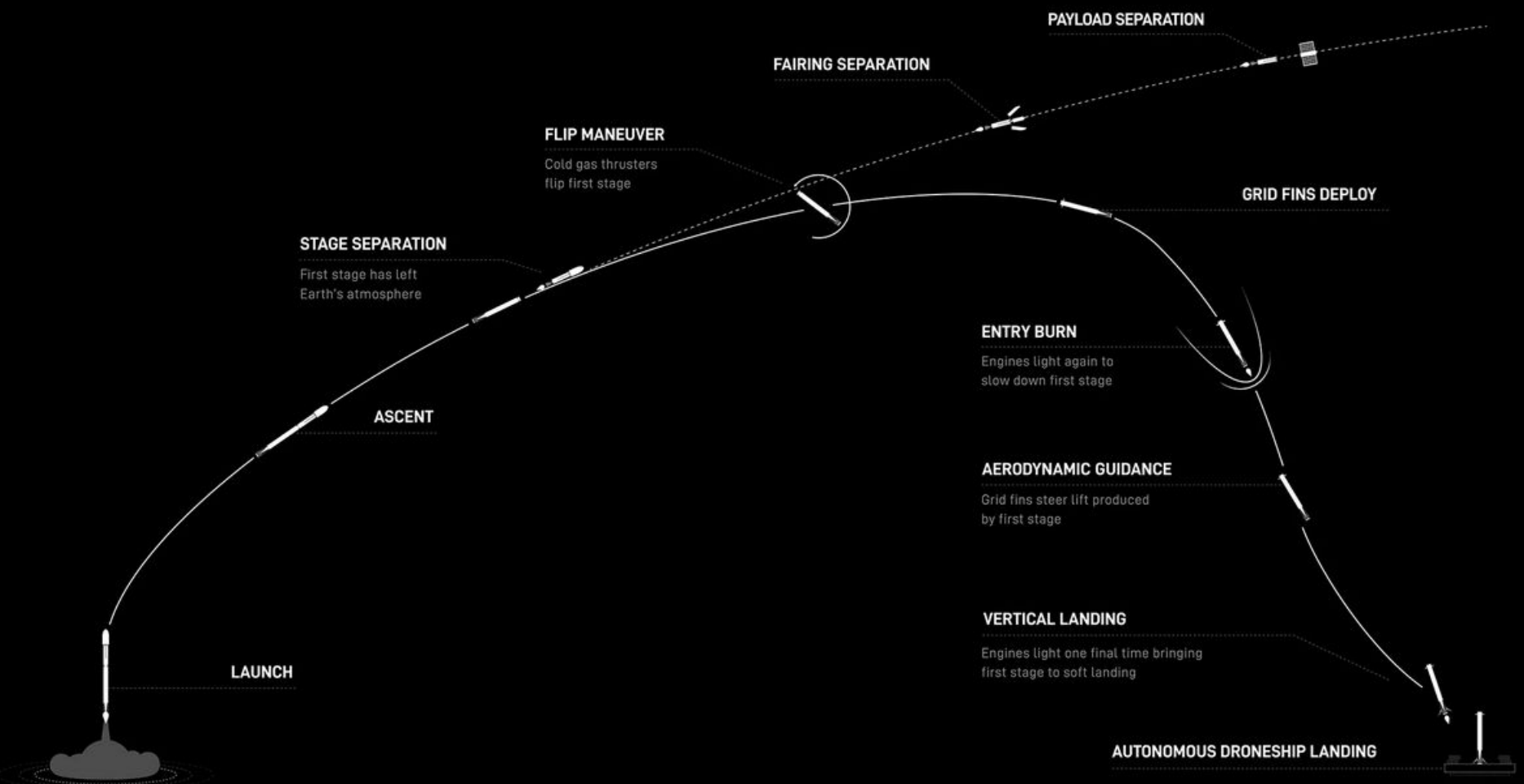
SpaceX is targeting Tuesday, February 20 for Falcon 9's launch of the Telkomsat Merah Putih 2 mission to geosynchronous transfer orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The two-hour window opens at 3:11 p.m. ET. If needed, a backup opportunity is available Wednesday, February 21 with a four-hour window opening at 12:53 p.m. ET.

A live webcast of this mission will begin on [X @SpaceX](#) about 15 minutes prior to liftoff. **Watch Live.**

This will be the 17th launch of the first stage booster supporting this mission, which previously launched CRS-22, Crew-3, Turksat 5B, Crew-4, CRS-25, Eutelsat HOTBIRD 13G, mPOWER-a, PSN SATRIA, and eight Starlink missions. Following stage separation, the first stage will land on the Just Read the Instructions dronship stationed in the Atlantic Ocean.

## 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



## COUNTDOWN

All Times Approximate

HR/MIN/SEC	EVENT
00:01:13	Max Q (Moment of peak mechanical stress on the rocket)
00:02:31	1st stage main engine cutoff (MECO)
00:02:35	1st and 2nd stages separate
00:02:42	2nd stage engine starts (SES-1)
00:03:34	Fairing deployment
00:06:18	1st stage entry burn begins
00:06:42	1st stage entry burn ends
00:08:05	2nd stage engine cutoff (SECO-1)
00:08:14	1st stage landing burn begins
00:08:37	1st stage landing
00:27:59	2nd stage engine starts (SES-2)
00:29:03	2nd stage engine cutoff (SECO-2)
00:33:34	Merah Putih 2 deploys