

A photograph of a SpaceX Dragon cargo spacecraft in orbit above Earth. The spacecraft is white with a large circular hatch and is attached to a long, grey service arm. The Earth's surface is visible below, showing a mix of land and clouds. The background is the blackness of space.

COMMERCIAL CARGO

ISPCS 2017

October 12, 2017

SPACEX

CRS Contract update

- Completed the 12th and final mission under the original CRS-1 contract last month
 - 53,000 lbs of cargo delivered to ISS exceeding the 44,000 lbs requirement
 - 38,000 lbs of cargo returned greatly exceeding the 6,600 lbs requirement
 - 2,000 lbs of unpressurized cargo disposed of (no separate requirement)
- 8 more missions remain under the extended CRS-1 contract
- Minimum of 6 CRS2 missions under IDIQ



Commercial Cargo Reusability

Making the Dragon reusable to expand access to space

- Successful refurbished, launch and recovered the Dragon originally flown for CRS-4 on the CRS-11 mission
- Successfully completed CRS-12 mission on September 17
 - Last “new build” Cargo Dragon vehicle
 - Refurbishing Cargo Dragons for all future missions



SpaceX Launch Vehicle Updates

Falcon 9

- Completed 42 successful launches and 18 landings, 15 launches YTD
 - 2 flights in 2 days
 - 3 flights in 12 days
 - 4 flights in 32 days
- Successful flight of first flight-proven F9 for SES in March
- Successful flight of second flight-proven F9 for BulgariaSat in June

Falcon Heavy

- All three cores have been individually static fired; preparing for an integrated system static fire
- Demo launch scheduled from LC-39A



Falcon 9 Reusability



- 18 successful landings
 - 11 droneship
 - 7 land (LZ-1)
- 11 landings YTD
- 3 Falcon 9 flight proven launches
- As many as 5 more launches this year

2010
Falcon 9 First Launch

2012
Dragon spacecraft delivers and returns cargo from the International Space Station

2013
Grasshopper test rig demonstrates vertical take-off and landing

2014
First orbital booster to return from space for ocean landing

2015
First orbital booster to return from space and land on land

2016
First drone ship landing

2017
First flight proven launch of an orbital-class rocket

U.S. Commercial Launch Share

