## **ITUEvents**

# ITU in service of space

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## **SPACEX IS MAKING SPACE MORE ACCESSIBLE FOR HUMANITY**

- **43** LAUNCHES IN 2023
- **15** REUSES OF ONE BOOSTER
- **38** VISITS TO THE ISS
- **10** HUMAN SPACE FLIGHT MISSIONS
- **4.27** HOURS BETWEEN LAUNCHES

\$275K MINIMUM RIDESHARE COST















## SPACEX IS A LEADER IN SPACE SUSTAINABILITY

SpaceX is setting the industry standard and establishing best practices in:

- · Transparency and data sharing
- Debris mitigation
- Collision avoidance
- Brightness reduction
- Satellite demisability
- Interference mitigation and flexible system design

## SPACEX BELIEVES THAT ALL OPERATORS HAVE A RESPONSIBILITY TO PROMOTE SPACE SUSTAINABILITY THROUGH TRANSPARENCY AND DATA SHARING

## Design

- Consider collision avoidance implications when choosing injection and final orbits
- Ensure the adequacy of spacecraft features to support safety of flight

#### **Pre-launch and Early Orbit**

- Create and expeditiously publish launch information including strategy to transport to the final orbit
- Coordinate with a cataloguing entity before launch and provide updates during launch and early orbit
- Perform launch collision avoidance against crewed space assets

#### **On Orbit**

- · Maintain quality on-orbit predicted ephemeris and spacecraft status information and update as needed
- Perform collision avoidance risk assessment to identify high-risk conjunctions that require mitigation
- Pursue adequate mitigation actions to avoid conjunctions

## Satellite Disposal

Actively and expeditiously manage the deorbit of satellites that are reaching the end of their useful mission life

