

# Streamlined Launch and Reentry Rule

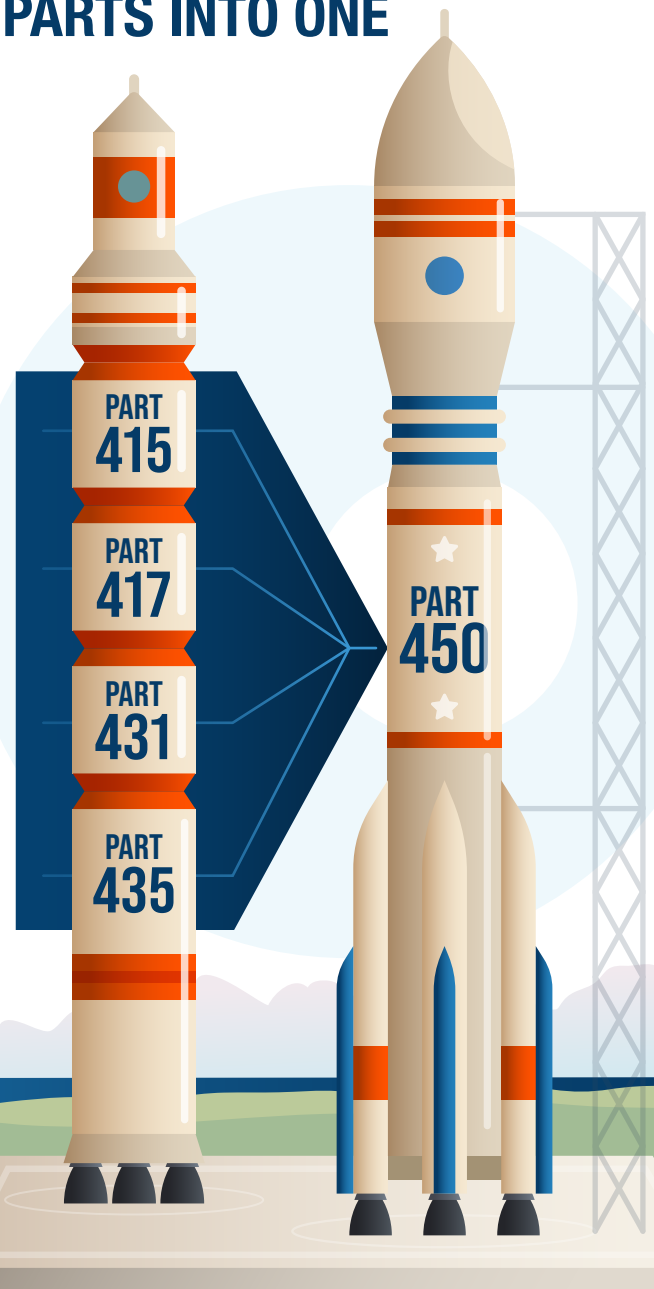


Federal Aviation Administration

FAA is streamlining the regulations for launch/reentry activities to meet the growing demand for commercial space transportation.

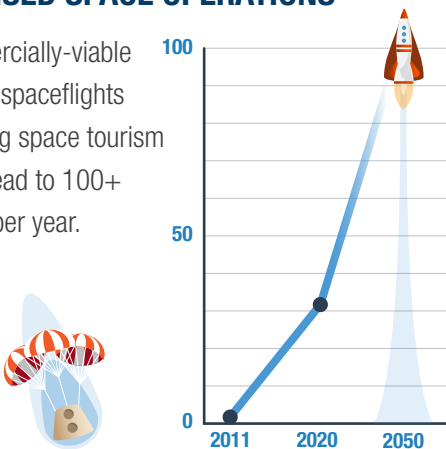
- ✓ **Single license**
- ✓ **Early approvals**
- ✓ **Reduced timeframes**
- ✓ **5-Year valid license**
- ✓ **Safety element approval with license application**

## FOUR PARTS INTO ONE



### LICENSED SPACE OPERATIONS

Commercially-viable human spaceflights involving space tourism could lead to 100+ flights per year.





# Why Part 450?

## Flexible, Responsive, Streamlined



### Flexible

- Incorporates Traditional Hazard Control Strategies From Both Part 431 Flight Hazard Analysis And Part 415/417 Flight Abort
- High Consequence Event Protection Allows Flexibility Through Equivalent Level of Safety (ELOS) and Demonstrated Reliability
- Flexible Submittal Timeframes
- Flight Safety Analysis Scope Based On Demonstrated Reliability
- Flexible Means Of Compliance (MOC) for Industry



### Responsive

- Relieves Duplication For Ground Safety At Certain Federal Launch Or Reentry Sites
- 5 Year Compliance Period For Legacy Licenses (And Accepted Applications)
- Collision On Launch Assessment (COLA) And Critical Asset Analysis Will Be Performed By The Government
- Early Approvals Through Incremental Review Of Modular Application
- Neighboring Operations Personnel (NOPS) As A Separate Category Of The Public Subject To A Less Stringent Risk Threshold As Compared To Other Members Of The Public

### Streamlined

- Streamlines and Combines the Best Elements of the Launch and Reentry Regulations of Parts 415, 417, 431, And 435 Into a Single Performance-based Part
- Licenses Are "Vehicle Operator Licenses" Valid Up To 5 Years That Authorize Operations At Multiple Sites
- Scope Of A License Removes Launch Starts At Arrival At The Gate
- Process For Seeking A Safety Element Approval In Conjunction With A Vehicle Operator License

