



U.S. Department
of Transportation
**Federal Aviation
Administration**

Commercial Space Transportation

800 Independence Ave., SW.
Washington, DC 20591

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 450

Determination Regarding the Extent to which Launch and Reentry Safety-Related Services and Property of SLD 45 Launch and Range Safety Satisfy Part 450 Requirements

AGENCY: Federal Aviation Administration (FAA), Department of Transportation (DOT)

ACTION: Notice of Determination

SUMMARY: In accordance with 14 CFR 450.45(b), the FAA has provisionally determined that the launch and reentry safety-related services and property of the SLD 45 Launch and Range Safety, satisfy the requirements of Part 450 specified in the table below. A final determination is pending additional coordination between SLD 45 and the FAA.

DATE: The date of this notice is 21 November 2025.

FOR FURTHER INFORMATION CONTACT: For additional information concerning this action, contact Executive Director, Office of Operational Safety, Office of Commercial Space Transportation via letter: 800 Independence Ave SW, Washington, DC 20591; via email: 9-AST-Inquiries@faa.gov; via phone: 202-267-7793.

SUPPLEMENTARY INFORMATION: The Commercial Space Launch Act of 1984, as amended and codified at 51 U.S.C. §§ 50901-50923, authorizes the Department of Transportation, and the FAA through delegation, to oversee, license, and regulate commercial launch and reentry activities, and the operation of launch and reentry sites as carried out by U.S. citizens or within the United States. The FAA exercises this responsibility consistent with public health and safety, safety of property, and the national security and foreign policy interests of the United States. 51 U.S.C. 50905. To satisfy the FAA regulations, operators may use a means of compliance that has already been accepted by the FAA or propose an alternate approach.

DETERMINATION: In accordance with 14 CFR 450.45(b), the FAA has provisionally determined that the launch and reentry safety-related services and property of the SLD 45 Launch and Range Safety, satisfy the requirements of Part 450 specified in the table below. A final determination is pending additional coordination between SLD 45 and the FAA. Applicants are free to apply for listed services under this provision prior to a final determination. The FAA expects to

expand this determination to encompass additional requirements through the coordination process. The FAA may also accept services and property provided by SLD 45 as satisfying additional requirements on a case-by-case basis.

Regulation	Scope
§ 450.101 Safety Criteria	Paragraph (f) scoped to aircraft, vessels, and SLD 45 controlled areas Paragraph (g) scoped to analyses performed in support of the below regulations
§ 450.108 Flight Abort	All paragraphs
§ 450.113 Flight Safety Analysis Requirements - Scope	Paragraphs (a)(1) and (a)(2)
§ 450.115 Flight Safety Analysis Methods	All paragraphs, scoped to analyses performed in support of the below regulations
§ 450.119 Malfunction Trajectory Analysis	All paragraphs except paragraphs (a)(3), (c)(2), (c)(3) and (c)(4)(iii) <ul style="list-style-type: none"> • Scoped to standard vehicle response modes: LOT, MFT, and RA • Scoped to malfunction trajectory analyses performed using TTK and TAOS
§ 450.121 Debris Analysis	Paragraphs (b)(3) and (d)(2) only with respect to determining the energetic effects at impact. Paragraphs (c), (d)(3), (d)(4)
§ 450.123 Population Exposure Analysis	All paragraphs <ul style="list-style-type: none"> • For near-field populations, scoped to flights from Cape Canaveral Space Force Station or Kennedy Space Center • For far-field, globally
§ 450.131 Probability of Failure Analysis	All paragraphs
§ 450.133 Flight Hazard Area Analysis	All paragraphs
§ 450.135 Debris Risk Analysis	All paragraphs
§ 450.137 Far-field Blast Overpressure Analysis	All paragraphs
§ 450.139 Toxic Hazards for Flight	For launch vehicles, all paragraphs, except (f)(1) and (f)(7)(i) For payloads that are not reentry vehicles, all paragraphs For abort capsules, all paragraphs except (c)(1)-(c)(4), (f)(1), (f)(7)
§ 450.161 Control of Hazard Areas	All paragraphs
§ 450.165 Flight Commit Criteria	Paragraphs (a)(1), (a)(2)(i), and (a)(5)
§ 450.213 Pre-flight Reporting	Only paragraph (c)

The services have been determined to satisfy the regulations for the following scope of operations:

- Vehicle types
 - Thrust vector controlled and thruster-controlled vehicles
 - Propellants with CSWG-established yield curves
- Operations
 - Launching vertically from Cape Canaveral Space Force Station or Kennedy Space Center
 - Landing vertically from suborbital flight, such as first stage returns, at Cape Canaveral Space Force Station, Kennedy Space Center, or at sea

This determination does not obligate SLD 45 to provide services or property to an operator. The FAA will accept services and property specified above as satisfying application requirements for a Part 450 license provided that they are specified in an agreement between the operator and SLD 45 (or a chain of agreements through a third party).

The FAA published *Advisory Circular 450.45-2 Compliance when Contracting with a Federal Entity*, on March 11, 2025, that provides guidance on submitting an application under Part 450 that specifies services and property provided by a Federal Entity to satisfy requirements.

Jeffrey Holmes
Manager, Safety Analysis Division

Ansel Collins
Manager, Safety Authorization Division

Version	Description	Date
Version 1.0	Initial provisional determination letter	December 9, 2024
Version 2.0	<ul style="list-style-type: none"> ● 450.121 expanded to include yield modeling 	September 29, 2025

	<ul style="list-style-type: none">• “SLD 45,” where referencing a region of land, replaced with “Cape Canaveral Space Force Station or Kennedy Space Center”• 450.139 slightly expanded• Discussion of related Advisory Circular updated to reflect that it has been published.• Scope of operations for landings clarified.	
--	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--