

14 CFR Part 450 Subpart C Accepted Means of Compliance Table

This table provides at least one means of compliance for each section in part 450, subpart C.

Section No.	Section Title	Accepted Means of Compliance	Planned Issuance
450.3	Scope of a Vehicle Operator License	AC 450.3-1 Definition of Launch and Scope of a Vehicle Operator License	Issued 09/28 2022
450.101	Safety Criteria	<i>N/A, except for section below.</i>	
450.101(c)	High Consequence Event Protection	AC 450.101-1A High Consequence Event Protection	Issued 05/19 2021
450.103	System Safety Program	AC 450.103-1 System Safety Program	Issued 09/06 2021
450.107	Hazard Control Strategies	AC 450.107-1 Hazard Control Strategy Determination	Issued 07/26 2021
450.108	Flight Abort	AC 450-108-1 Flight Abort Rule Development	Issued 07/26 2021
450.108(c)(6)	Flight Safety Limit Objectives	<i>Legacy Regulations:</i> § 417.213(a),(b), and (d)	
450.109	Flight Hazard Analysis	AC 450.109-1 Flight Hazard Analysis	Issued 08/042021
450.110	Physical Containment	AC 450.110-1 Physical Containment Flight Safety Analysis	Issued 09/26 2022
450.111	Wind Weighting	<i>Legacy Regulations:</i> §§ 415.109(b)(2)(v), 417.125, 417.201(c), 417.233, Appendix C to Part 417	

Section No.	Section Title	Accepted Means of Compliance	Planned Issuance
450.115	Flight Safety Analysis Methods	AC 450.115-1A High Fidelity Flight Safety Analysis AC 450.115-2 Medium Fidelity Flight Safety Analysis	Issued 06/23 2021
450.117	Trajectory Analysis for Normal Flight	AC 450.117-1 Trajectory Analysis	Issued 08/18 2021
450.119	Trajectory Analysis for Malfunction Flight	AC 450.117-1 Trajectory Analysis	Issued 08/18 2021
450.121	Debris Analysis	AC 450.115-1A High Fidelity Flight Safety Analysis	Issued 06/23 2021
450.123	Population Exposure Analysis	AC 450.123-1 Population Exposure	Issued 10/11 2022
450.131	Probability of Failure Analysis	AC 450.131-1 Probability of Failure	2023
450.133	Flight Hazard Area Analysis	AC 450.115-1A High Fidelity Flight Safety Analysis AC 450.133-1 Airspace and Waterborne Vessel Hazard Areas	Issued 06/23 2023
450.135	Debris Risk Analysis	AC 450.115-1A High Fidelity Flight Safety Analysis	Issued 10/20 2022

Section No.	Section Title	Accepted Means of Compliance	Planned Issuance
450.137	Far-field Overpressure Blast Effects Analysis	AC 450.137-1 Distance Focusing Overpressure Risk Analysis	2023
450.139	Toxic Hazards for Flight	AC 450.139-1 Toxic Hazards Analysis and Thresholds	2023
450.139(e)(1)	Airborne Toxic Concentration and Duration Thresholds for Toxic Risk Assessment	Acute Exposure Guideline Level 2 (AEGL-2), Emergency Response Planning Guidelines Level 2 (ERPG-2), or the Short-term Public Emergency Guidance Level (SPEGL)	
450.141	Computing Systems	AC 450.141-1A Computing SystemsRange Commanders Council Standard RCC-319 appendix on Mission Data Loads	Issued 08/15 2021
450.143	Safety-Critical System Design, Test, and Documentation	AC 450.143-1 Safety Critical Systems	2024
450.145	Highly-Reliable Flight Safety System	<p>Range Commanders Council Standard (RCC) 319-19: Flight Termination Systems Commonality Standard</p> <p>RCC 324-11: Global Positioning and Inertial Measurements Range Safety Tracking Systems' Commonality Standard</p> <ul style="list-style-type: none"> • For airborne tracking sources <p>AFSPCI 91-701: Launch and Range Safety Program Policy and Requirements</p> <ul style="list-style-type: none"> • For Flight Safety System related ground systems <p>AFI 13-602: Ready Spacecrew Program Training</p> <ul style="list-style-type: none"> • For flight abort crew 	

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450.147	Agreements	N/A	
450.149	Safety-Critical Personnel Qualifications	Legacy Regulations: §§ 417.311, 415.113	
450.151	Work Shift and Rest Requirements	AFSPCMAN 91-710 Volume 6: Ground and Launch Personnel, Equipment, Systems, and Material Operations Safety Requirements Legacy Regulations: § 431.43(c)(4)	
450.153	Radio Frequency Management	Legacy Regulations: § 417.111(f)	
450.155	Readiness	Legacy Regulations: § 417.117	
450.157	Communications	Legacy Regulations: § 417.111(k)	
450.159	Pre-flight Procedures	Legacy Regulations: § 417.121	
450.161	Surveillance and Publication of Hazard Areas	AC 450.161-1 Surveillance and Publication of Hazard Areas	Issued 12/20 2022
450.163(a)(1)	Lightning Commit Criteria	NASA Standard (NASA-STD) 4010: Lightning Launch Commit Criteria For Space Flight Legacy Regulations: Appendix G to Part 417	
450.165	Flight Commit Criteria	N/A	

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450.167	Tracking	AC 450.167-1 Tracking RCC 324-11: Global Positioning and Inertial Measurements Range Safety Tracking Systems' Commonality Standard <ul style="list-style-type: none"> For airborne tracking sources <i>Legacy Regulations:</i> §§ 417.113(c)(2)(iii), 417.307(b)	Issued 10/20 2022
450.169	Launch and Reentry Collision Avoidance Analysis Requirements	AC 450.169-1 Collision Avoidance Analysis	2023
450.171	Safety at End of Launch	Inter-Agency Space Debris Coordination Committee (IADC) 02-01: Space Debris Mitigation Guidelines	
450.173	Mishap Plan—Reporting, Response, and Investigation Requirements	AC 450.173-1 Mishap Reporting, Response, and Investigation	Issued 08/11 2021
450.177	Unique Policies, Requirements and Practices	<i>N/A</i>	
450.179	Ground Safety—General	AC 450.179-1 Ground Safety	Issued 09/21 2021
450.181	Coordination with a Site Operator	<i>N/A</i>	

Section No.	Section Title	Accepted Means of Compliance	Planned Issuance
450.183	Explosive Site Plan	AC 450.179-1 Ground Safety	Issued 09/21 2021
450.185	Ground Hazard Analysis	AC 450.179-1 Ground Safety	Issued 09/21 2021
450.187	Toxic Hazards Mitigation for Ground Operations	AC 450.139-1 Toxic Hazards Analysis and Thresholds	2023
450.187(e)(1)	Airborne Toxic Concentration and Duration Thresholds for Toxic Risk Assessment	Acute Exposure Guideline Level 2 (AEG-L-2), Emergency Response Planning Guidelines Level 2 (ERPG-2), or the Short-term Public Emergency Guidance Level (SPEGL)	
450.189	Ground Safety Prescribed Hazard Controls	AC 450.179-1 Ground Safety	Issued 09/21 2021