

APPENDIX B OF PART 415—SAFETY
REVIEW DOCUMENT OUTLINE

This appendix contains the format and numbering scheme for a safety review document to be filed as part of an application for a launch license as required by subpart F of part 415. The applicable sections of parts 413, 415, and 417 of this chapter are referenced in the outline below.

SAFETY REVIEW DOCUMENT

- 1.0 Launch Description (§ 415.109)
 - 1.1 Launch Site Description
 - 1.2 Launch Vehicle Description
 - 1.3 Payload Description
 - 1.4 Trajectory
 - 1.5 Staging Events
 - 1.6 Vehicle Performance Graphs
- 2.0 Launch Operator Organization (§ 415.111)
 - 2.1 Launch Operator Organization (§ 415.111 and § 417.103 of this chapter)
 - 2.1.1 Organization Summary
 - 2.1.3 Organization Charts
 - 2.1.4 Office Descriptions and Safety Functions
- 3.0 Launch Personnel Certification Program (§ 415.113 and § 417.105 of this chapter)
 - 3.1 Program Summary
 - 3.2 Program Implementation Document(s)
 - 3.3 Table of Safety Critical Tasks Performed by Certified Personnel
- 4.0 Flight Safety (§ 415.115)
 - 4.1 Initial Flight Safety Analysis
 - 4.1.1 Flight Safety Sub-Analyses, Methods, and Assumptions
 - 4.1.2 Sample Calculation and Products
 - 4.1.3 Launch Specific Updates and Final Flight Safety Analysis Data
 - 4.2 Radionuclide Data (where applicable)
 - 4.3 Flight Safety Plan
 - 4.3.1 Flight Safety Personnel
 - 4.3.2 Flight Safety Rules
 - 4.3.3 Flight Safety System Summary and Preflight Tests
 - 4.3.4 Trajectory and Debris Dispersion Data
 - 4.3.5 Flight Hazard Areas and Safety Clear Zones
 - 4.3.6 Support Systems and Services
 - 4.3.7 Flight Safety Operations
 - 4.3.8 Unguided Suborbital Launch Vehicles (where applicable)
 - 5.0 Ground Safety (§ 415.117)
 - 5.1 Ground Safety Analysis Report
 - 5.2 Ground Safety Plan
- 6.0 Launch Plans (§ 415.119 and § 417.111 of this chapter)
 - 6.1 Launch Support Equipment and Instrumentation Plan
 - 6.2 Configuration Management and Control Plan
 - 6.3 Frequency Management Plan
 - 6.4 Flight Termination System Electronic Piece Parts Program Plan
 - 6.5 Accident Investigation Plan
 - 6.6 Local Agreements and Public Coordination Plan
 - 6.7 Hazard Area Surveillance and Clearance Plan
 - 6.8 Communications Plan
 - 7.0 Launch Schedule (§ 415.121)
 - 7.1 Launch Processing Schedule
 - 8.0 Computing Systems and Software (§ 415.123)
 - 8.1 Hardware and Software Descriptions
 - 8.2 Flow Charts and Diagrams
 - 8.3 Logic Diagrams and Software Design Descriptions
 - 8.4 Operator User Manuals and Documentation
 - 8.5 Software Hazard Analyses
 - 8.6 Software Test Plans, Test Procedures, and Test Results
 - 8.7 Software Development Plan
 - 9.0 Unique Safety Policies, Requirements and Practices (§ 415.125)
 - 10.0 Flight Safety System Design and Operation Data (§ 415.127)
 - 10.1 Flight Safety System Description
 - 10.2 Flight Safety System Diagram
 - 10.3 Flight Safety System Subsystem Design Information
 - 10.4 Flight Safety System Analyses
 - 10.5 Flight Termination System Environmental Design
 - 10.6 Flight Safety System Compliance Matrix
 - 10.7 Flight Termination System Installation Procedures
 - 10.8 Tracking System Validation Procedures
 - 11.0 Flight Safety System Test Data (§ 415.129)
 - 11.1 Testing Compliance Matrix
 - 11.2 Test Program Overview and Schedule
 - 11.3 Flight Safety System Test Plans and Procedures
 - 11.4 Test Reports
 - 11.5 Reuse of Flight Termination System Components
 - 12.0 Flight Safety System Crew Data (§ 415.131)
 - 12.1 Position Descriptions
 - 12.2 Certification and Training Program Description
 - 13.0 Safety at End of Launch (§ 415.133)

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PART 417—LAUNCH SAFETY

Subpart A—General and License Terms and Conditions

- Sec.
- 417.1 General information.
- 417.3 Definitions and acronyms.
- 417.5 [Reserved]
- 417.7 Public safety responsibility.
- 417.9 Launch site responsibility.
- 417.11 Continuing accuracy of license application; application for modification of license.