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 Safety System Summary and Preflight Tests
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
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
11.6 Flight Safety System Crew Data (§ 415.131)
11.7 Position Descriptions
11.8 Certification and Training Program Description
11.9 Safety at End of Launch (§ 415.133)