**APPLICATION AND SUPPORT LAYER ARCHITECTURE, OPTION 1**

* **1  INTRODUCTION**
	+ 1.1  PURPOSE
	+ 1.2  SCOPE
	+ 1.3  RATIONALE
	+ 1.4  DOCUMENT STRUCTURE
	+ 1.5  DEFINITIONS AND CONVENTIONS
	+ 1.6  REFERENCES
* **2  APPLICATION AND SUPPORT LAYER ARCHITECTURE**
	+ 2.1  BACKGROUND
	+ 2.2  ROLE OF THIS ARCHITECTURE DESCRIPTION DOCUMENT
	+ 2.3  STRUCTURE OF THE ADD: FIVE VIEWS OF SYSTEM ARCHITECTURE
	+ 2.4  GENERAL DESCRIPTION OF CONTEXT
	+ 2.5  BASIC ASL CONCEPTS
	+ 2.6  RELATIONSHIP BETWEEN ASL AND OTHER CCSDS ARCHITECTURE DOCUMENTS
	+ 2.7  APPLICATION AND SUPPORT LAYERSYSTEM ELEMENTS
	+ 2.8  BASIC SYSTEM-ELEMENT CONFIGURATIONS
	+ 2.9  APPLICATION AND SUPPORT LAYERTERMINOLOGY
	+ 2.10  TRANSITIONAL STRATEGIES
	+ 2.11  ASL ARCHITECTURE: ASSUMPTIONS, GOALS, AND CHALLENGES
* **3  APPLICATION AND SUPPORT LAYER TECHNICAL ARCHITECTURE**
	+ 3.1  ASL SUPPORT BUILDING BLOCKS
	+ 3.2  GENERAL DESCRIPTIONS OF PRESENT MO AND SOIS ARCHITECTURES
	+ 3.3  GENERAL DESCRIPTIONS OF FUTURE ASL ARCHITECTURES
	+ 3.4  SERVICE AGREEMENTS AND ACCESS ARRANGEMENTS
* **4  SERVICE VIEW**
	+ 4.1  OVERVIEW
	+ 4.2  MO SERVICES
	+ 4.3  SOIS SERVICES
	+ 4.4  INTEGRATED FLIGHT / GROUND SERVICES
	+ 4.5  DEPENDENCE OF ASL SERVICES ON SCCS ARCHITECTURE
	+ 4.6  SECURITY CONCEPTS FOR SERVICE VIEW
* **5  PHYSICAL VIEW**
	+ 5.1  GENERAL
	+ 5.2  MO PHYSICAL ELEMENTS
	+ 5.3  SOIS PHYSICAL ELEMENTS
	+ 5.4  SECURITY CONCEPTS FOR PHYSICAL VIEW
* **6  COMMUNICATIONS VIEW**
	+ 6.1  GENERAL
	+ 6.2  ISO PROTOCOL STACK AND LAYER DEFINITIONS
	+ 6.3  SPECIFIC PROTOCOLS FOR MO SERVICE INTERFACE BINDING
	+ 6.4  MO END-TO-END PROTOCOL OPERATION
	+ 6.5  SPECIFIC PROTOCOLS FOR SOIS SERVICE INTERFACE BINDING
	+ 6.6  SOIS END-TO-END PROTOCOL OPERATION
	+ 6.7  REMAINING CHALLENGES TO PROTOCOL DEPLOYMENT
	+ 6.8  SECURITY CONCEPTS FOR PROTOCOL VIEW
* **7  END-TO-END DEPLOYMENT VIEW**
	+ 7.1  GENERAL
	+ 7.2  MO END-TO-END DEPLOYMENT VIEWS
	+ 7.3  SOIS END-TO-END DEPLOYMENT VIEWS
	+ 7.4  SECURITY CONCEPTS FOR END-TO-END PROTOCOL VIEW
* **8  INFORMATION VIEW**
	+ 8.1  GENERAL
	+ 8.2  MO INFORMATION VIEWS
	+ 8.3  SOIS INFORMATION VIEWS
	+ 8.4  SECURITY CONCEPTS FOR INFORMATION VIEW

**ANNEX A ACRONYMS**

**ANNEX B BACKGROUND**