

DEPARTMENT OF THE AIR FORCE
Headquarters US Air Force
Washington, DC 20330-1480

Interim Change 1
CFETP 1C6X1
12 May 2016

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**SPACE SYSTEMS OPERATIONS
AFSC 1C6X1
CAREER FIELD EDUCATION AND TRAINING PLAN**

This change is effective immediately and updates 1C6X1 CFETP dated 12 May 2016.

1. Remove and replace Page 69. New Page 69 corrects errors in Items 7.1.2., 7.3.1. and 7.3.2. of Space Systems Operations Operating Environment.

B. CHANCE SALTZMAN, Brig Gen, USAF
Director of Future Operations

Space Systems Operations	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
1. Tasks, Knowledge And Technical References	A	B	C	A	B	C	D	E	A		B		C	
	3 Level	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
6.3.5 Complexities of the Acquisition Process									-	-	-	-	-	A
6.4 Acquisition Science and Technology									-	-	-	-	-	A
6.4.1 Technology Readiness									-	-	-	-	-	A
6.4.2 Independent Research and Development (IR&D or IRAD)									-	-	-	-	-	A
6.4.3 Challenges Facing Space Acquisitions									-	-	-	-	-	A
7. OPERATING ENVIRONMENT														
TR: AU-18; Applicable Technical Publications; AFDD2-2.1, 2 Aug 2004; JP 1-02, Department of Defense Dictionary of Military and Associated Terms, 12 April 2001; JP 3-14, 2 May 2013														
7.1 Contested, Congested, Competitive Environment									-	-	-	-	-	-
7.1.1 Space Threats and Mitigation									B	-	-	B	-	B
7.1.1.1 Position, Navigation, and Timing Spacecraft Threats and Mitigation									-	-	-	-	-	B
7.1.1.2 Satellite Communications Spacecraft Threats									-	-	-	-	-	B
7.1.1.3 Intelligence, Surveillance, and Reconnaissance Spacecraft Threats									-	-	-	-	-	B
7.1.1.4 Satellite Bus Threats									-	-	-	-	-	B
7.1.2 Electromagnetic Interference (EMI)									-	-	-	-	-	A
7.1.3 Space Protection									-	-	-	-	-	A
7.1.4 Threat Assessments for North America and Theater Operations									-	-	-	-	-	B
7.1.4.1 NORAD									-	-	-	-	-	A
7.1.4.2 USNORTHCOM									-	-	-	-	-	A
7.1.4.3 Disruptive Threats									-	-	-	-	-	B
7.1.4.4 Traditional Threats									-	-	-	-	-	B
7.1.4.5 NORAD End States									-	-	-	-	-	A
7.1.4.6 Determining Strategic Risk									-	-	-	-	-	B
7.1.5 Resilience, Replenishment									-	-	-	-	-	A
7.1.5.1 Residual and Repurposed Capabilities (Super-synch sensors)									-	-	-	-	-	A
7.1.5.2 Operationally Responsive Space (ORS) Mission Assurance									-	-	-	-	-	A
7.1.5.3 Commercial Off-the-Shelf (COTS) Space Capabilities									-	-	-	-	-	A
7.1.5.4 Layered Capabilities for Space Effects									-	-	-	-	-	A
7.1.6 Foreign / Commercial / Civil / National / Coalition Space Capabilities									A	-	-	B	-	-
7.2 Terrestrial Weather									A	-	-	B	-	-
7.3 Space Weather									A	-	-	B	-	-
7.3.1 Space Environment Challenges									-	-	-	-	-	B
7.3.2 Advanced Space Weather Concepts and Applications									-	-	-	-	-	B
7.4 Temperature in Space									A	-	-	B	-	-
7.5 Vacuum in Space									A	-	-	B	-	-
7.6 Radiation in Space									A	-	-	B	-	-
7.7 Advanced Space Environment									-	-	-	-	-	B
7.7.1 Anatomy of the Sun									-	-	-	-	-	A
7.7.2 Interplanetary Magnetic Field									-	-	-	-	-	A
7.7.3 Anatomy of the Earth's Atmosphere									-	-	-	-	-	A
7.8 Impacts of Space Weather on Operations									-	-	-	-	-	B
7.8.1 Military Operations									-	-	-	-	-	A
7.8.2 Support Organizations and Products									-	-	-	-	-	A
7.9 Space Doctrine, Policy and Strategy									-	-	-	-	-	A