

Acquisition Program Technical Certifications Summary

May 2020

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<p>This document lists a non-exhaustive set of program and system-level certifications and supplements the Defense Acquisition Guidebook (DAG) Chapter 3, Systems Engineering. Programs should use this list as a starting point for identifying applicable certification requirements. Some of the certifications listed are applicable across DoD, whereas others are Service specific. Program Managers and Systems Engineers should consult joint and Service-specific domain experts to determine whether other certifications may be required.</p>						
Certification	Source of Departmental or Interservice Requirement for Certification	Guidance	Standardization Documents	Service	Service/Agency Requirement	Document Title
Airworthiness Certification	DoDD 5030.61					DoD Airworthiness Policy
				Air Force	AFPD 62-6	USAF Airworthiness
				Air Force	AFI 62-601	USAF Airworthiness
				Air Force	AFI 63-104	The SEEK EAGLE Program
				Army	AR 70-62	Airworthiness of Aircraft Systems
				Navy	NAVAIRINST 13034.1	Airworthiness and Cybersecurity Safety Policies for Air Vehicles and Aircraft Systems
					MIL-HDBK-516	Airworthiness Certification Criteria
		Joint Service Specification Guide (JSSG)-2000				JSSG-2000 Air System
		JSSG-2001				JSSG-2001 Air Vehicle
		JSSG-2005				JSSG-2005 Avionic Subsystem
	JSSG-2006				JSSG-2006 Aircraft Structures	
	JSSG-2007				JSSG-2007 Engines, Aircraft, Turbine	
	JSSG-2008				JSSG-2008 Vehicle Control and Management System (VCMS)	
Clinger-Cohen Act (CCA) Compliance Certification	Subtitle III of Title 40 of U.S. Code					Information Technology Management
Electromagnetic Environmental Effects (E3) Program Certification (e.g., HERO, HERP, HERF)	DoDI 3222.03					DoD Electromagnetic Environmental Effects (E3) Program
	DoDI 6055.11					Protecting Personnel from Electromagnetic Fields
				Navy	OPNAVINST 2400.20	Electromagnetic Environmental Effects (E3) and Spectrum Supportability Policy and Procedures
				Navy	OPNAVINST 4700.8	Trails, Acceptance, Commissioning, Fitting Out, Shakedown, and Post Shakedown Availability of U.S. Naval Ships Undergoing Construction or Conversion
				Navy	NAVSEAINST 9700.2	Integrated Topside Safety and Certification Program for Surface Ships
				Air Force	AFI 48-109	Electromagnetic Field Radiation (EMFR) Occupational and Environmental Health Program
				Air Force	AFI 91-208	Hazards of Electromagnetic Radiation to Ordnance (HERO) Certification and Management
				Army	AR 5-12	Army Use of the Electromagnetic Spectrum
					MIL-STD-461	Requirements for the Control of Electromagnetic Interference Characteristics of Subsystems and Equipment
					MIL-STD-464	Electromagnetic Environmental Effects Requirements for Systems
					MIL-HDBK-235-1	Military Operational Electromagnetic Environment Profiles Part 1C General Guidance
					MIL-HDBK-237	Electromagnetic Environmental Effects and Spectrum Supportability Guidance for the Acquisition Process
				MIL-HDBK-240	Hazards of Electromagnetic Radiation to Ordnance Test Guide	

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Environment, Safety, and Occupational Health (ESOH)	Section 4321 of Title 42, USC					National Environmental Policy Act (NEPA)	
	Executive Order (EO) 12114					Environmental Effects Abroad of Major Federal Actions	
	DoDD 6055.09					Explosives Safety Management (ESM)	
	DoDM 6055.09, Volume 1					DoD Ammunition and Explosives Safety Standards: General Explosives Safety Information and Requirements	
				MIL-STD-882		Standard Practice System Safety	
		NAS 411			Non-Government Standard	Hazardous Materials Management Program	
		NAS 411-1			Non-Government Standard	Hazardous Materials Target List	
					Navy	NAVSEAINST 9310.1	Naval Lithium Battery Safety Program
					Army	AR 200-1	Environmental Protection and Enhancement
Independent Logistics Assessment (ILA) and Logistics Certification				Army	AR 40-10	Health Hazard Assessment Program in Support of the Army Acquisition Process	
				Army	AR 385-10	The Army Safety Program	
				Navy	SECNAVINST 4105.1	Independent Logistics Assessment and Certification Requirements	
Intelligence Certification	CJCSI 5123.01					Charter of the Joint Requirements Oversight Council (JROC)	
				Army	DA PAM 700-28	Independent Logistics Assessments	
Interoperability Certification				Air Force	AFI 63-101/20-101	Integrated Life Cycle Management	
	DoDI 8330.01					Interoperability of Information Technology (IT), including National Security Systems (NSS)	
	DoDI 2010.06					Materiel Interoperability and Standardization with Allies and Coalition Partners	
	JCIDS Manual					Manual for the Operation of the Joint Capabilities Integration and Development System (JCIDS)	
Modeling and Simulation Verification, Validation, and Accreditation		Defense Information Systems Agency (DISA) Joint Interoperability Test Command (JITC)				JITC Operational Test and Evaluation Guidebook	
	DoDI 5000.61					DoD Modeling and Simulation (M&S) Verification, Validation, and Accreditation (VV&A)	
			MIL-STD 3022			Documentation of Verification, Validation and Accreditation (VV&A) for Models and Simulations	

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Nuclear Weapons Safety Certification	DoDM 3150.02					DoD Nuclear Weapon System Safety Program Manual
				Air Force	AFI 63-125	Nuclear Certification Program
Oil Pollution Abatement (OPA) Certification				Air Force	AFI 91-103	Air Force Nuclear Safety Design Certification Program
				Navy	NAVSEAINST 9593.2	Inspection and Certification Process for Oil Pollution Abatement Systems in U.S. Navy Surface Ships and Craft
Operational Test & Evaluation (OT&E) Certification	Section 139 of Title 10, USC					Director of Operational Test and Evaluation
	Section 2399 of Title 10, USC					Operational Test and Evaluation of Defense Acquisition Programs
				Army	AR 73-1	Test and Evaluation Policy
				Air Force	AFI 99-103	Capabilities-Based Test and Evaluation
				Air Force	AFMAN 63-119	Certification of System Readiness for Dedicated Operational Testing
				Navy	SECNAVINST 5000.2	Department of the Navy Implementation and Operation of the Defense Acquisition System and the Joint Capabilities Integration and Development System
Orbital Debris Certification		DOT&E TEMP Guidebook				Director, Operational Test and Evaluation (DOT&E) Test and Evaluation Master Plan (TEMP) Guidebook
	DoDI 3100.12					Space Support
Ship Sanitation Control Exemption Certificate (SSCEC)				Air Force	AFI 91-217	Space Safety and Mishap Prevention Program
				Navy	BUMEDINST 6210.4	Ship Sanitation Certification Program
Spectrum Certification Compliance				Navy	OPNAVINST 6210.2	Quarantine Regulations of the Navy
	Section 305 of Title 47, USC					Government Owned Stations
	Sections 901 - 904 of Title 47, USC					Definitions, findings, policy (901); Establishment, assigned functions (902); Spectrum management activities (903); General administrative provisions (904)
	DoDI 4650.01					Policy and Procedures for Management and Use of the Electromagnetic Spectrum
		OMB CIRCULAR NO. A-11, Part 2, Section 31.12 (c)				Office of Management & Budget Circular A-11: Part 2, Section 31.12 (c) Preparation & Submission of Budget Estimates
Total Ship Certification		National Telecommunications and Information Administration (NTIA)				Manual of Regulations and Procedures for Federal Radio Frequency Management (Redbook)
				Navy	SECNAVINST 5400.15	Department of the Navy Research and Development, Acquisition, Associated Life-Cycle Management, and Logistics Responsibilities and Accountability
Transportability Certification	DoDI 4540.07					Operation of the DoD Engineering for Transportability and Deployability Program
	AFMAN 24-204 IP			Interservice		Preparing Hazardous Materials for Military Air Shipments
				Army	AR 70-47	Engineering for Transportability Program
			MIL-STD-1366			Interface Standard for Transportability Criteria

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Ultrahigh Frequency (UHF) Satellite Communication (SATCOM) Demand Assigned Multiple Access (DAMA) Certification	CICSI 6251.01					Narrowband Satellite Communications Requirements	
Weapon and Laser Systems Safety Certification	DoDD 6055.09					Explosives Safety Management (ESM)	
	DoD 6055.9-M, Volume 1					DoD Ammunition and Explosives Safety Standards: General Explosives Safety Information and Requirements	
	DoDI 5000.69					DoD Joint Services Weapon and Laser System Safety Review Processes	
	DoDI 6055.15					DoD Laser Protection Program	
					Army	AR 385-10	The Army Safety Program
					Army	AR 700-142	Type Classification, Materiel Release, Fielding and Transfer
					Air Force	AFI 91-205	Non-Nuclear Munitions Safety Board
					Air Force	AFI 48-139	Laser and Optical Radiation Protection Program
					Air Force	AFI 91-401	Directed Energy Weapons Safety
					Navy	OPNAVINST 5100.27/MCO 5104.1	Navy Laser Hazards Control Program
					Navy	NAVSEAINST 8010.5	Insensitive Munitions Program Planning and Execution (Navy Marine Corp Intranet - NMCI Access only)
				Navy	NAVSEAINST 8020.06	Navy Weapon System Safety Program (Navy Marine Corp Intranet - NMCI Access only)	
				Marine Corp	MCO 8020.10	Marine Corps Explosive Safety Management Program (Navy Marine Corp Intranet - NMCI Access only)	