

Test & Evaluation of the NR-KPP

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Purpose



Provide an overview of the policies, processes and procedures for assessing compliance with the Net-Ready Key Performance Parameter (NR-KPP)





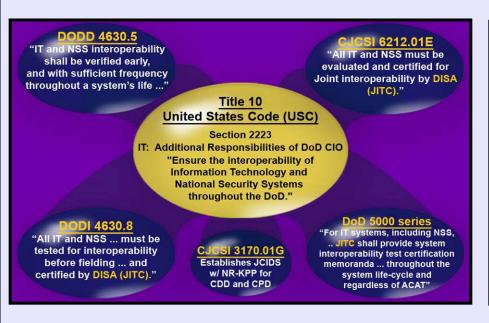
Policy Overview

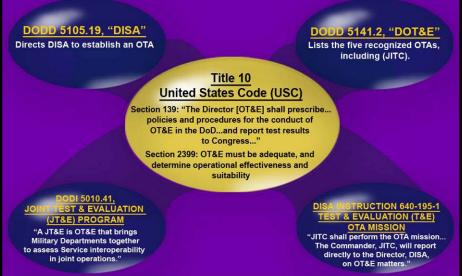




JS - Interoperability Certification

DOT&E - Operational Test Reports

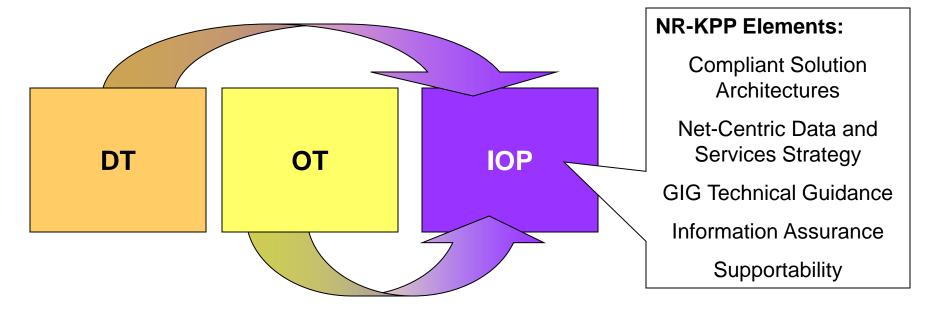




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Joint Interoperability Test Certification Overview





- The NR-KPP elements define the areas JITC evaluates for interoperability certification
- JITC uses data collected during DT, OT, demonstrations, exercises, or other reliable sources for interoperability evaluations



NR-KPP T&E Process

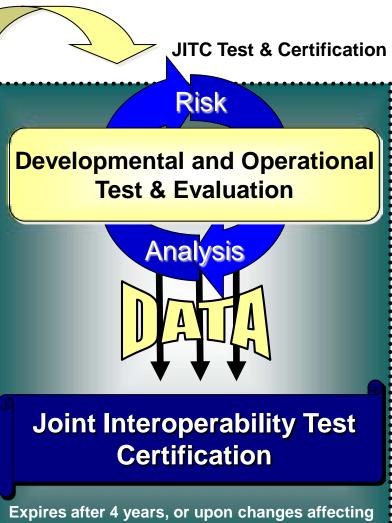


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Joint Staff J-6

Interoperability & **Supportability** Certification **Documents:**

CDD, CPD, ISP, ISP **Annex and TISP**



NOTE: Interoperability changes require reentering process at appropriate point:

- ✓ Requirements updates
- √ J-6 I&S Certification
- ✓ JITC Test & Certification

interoperability (system or environment)



NR-KPP Statement



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KPP	Threshold	Chiective
Net-Ready: The capability, system, and/or service must support Net-Centric military operations. The capability, system, and/or service must be able to enter and be managed in the network, and exchange data in a secure manner to enhance mission effectiveness. The capability, system, and/or service must continuously provide survivable, interoperable, secure, and operationally effective information exchanges to enable a Net-Centric military capability.	The capability, system, and/or service must fully support execution of joint critical operational activities and information exchanges identified in the DoD Enterprise Architecture and solution architectures based on integrated DODAF content, and must satisfy the technical requirements for transition to Net-Centric military operations to include: 1) Solution architecture products compliant with DoD Enterprise Architecture based on integrated DODAF content, including specified operationally effective information exchanges 2) Compliant with Net-Centric Data Strategy and Net-Centric Services Strategy, and the principles and rules identified in the DoD Information Enterprise Architecture (DoD IEA), excepting tactical and non-IP communications 3) Compliant with GIG Technical Guidance to include IT Standards identified in the TV-1 and implementation guidance of GIG Enterprise Service Profiles (GESPs) necessary to meet all operational requirements specified in the DoD Enterprise Architecture and solution architecture views 4) Information assurance requirements including availability, integrity, authentication, confidentiality, and non-repudiation, and issuance of an Interim Authorization to Operate (IATO) or Authorization to Operate by the Designated Accrediting Authority (DAA), and 5) Supportability requirements to include SAASM, Spectrum and JTRS requirements.	The capability, system, support execution of all information exchanges: Enterprise Architector based on integrated DODAP satisfy the technical requiner-centric military operation. 1) Solution architecture produced of the DoDAP content, including specified peration lly effective information exchanges. 2) Compliant with Net-Centric Data Strategy and Net-Centric Services Strategy, and the principles and rules identified in the DoD Information Enterprise Architecture (DoD IEA), excepting tactical and non-IP communications. 3) Compliant with GIG Technical Guidance to include IT Standards identified in the TV-1 and implementation guidance of GIG Enterprise Service Profiles (GESPs) necessary to meet all operational requirements specified in the DoD Enterprise Architecture and solution architecture views. 4) Information assurance requirements including availability, integrity, authentication, confidentiality, and non-repudiation, and issuance of an Interim Authorization to Operate (IATO) or Authorization to Operate by the Designated Accrediting Authority (DAA), and 5) Supportability requirements to include SAASM, Spectrum and JTRS requirements.



NR-KPP Requirements Source

Document	Supportability Compliance		DOD Enterprise Architecture Products (IAW DODAF) (see Note 5)												Bblor					
Doci	Suppo	AV-1 /AV-2	00-1	00-2	00-3	0.44	00-5	00-60	2-00	SV-1	SV-2	SV-4	SV-5	8V-6	SV-11	TV-1	TWZ	7 	1	
ICD			X																	$1 \vee$
CDD	Х	3	X	X	X	Х	Х	Х			х	Х	X	Х		2	2	1	X	X
CPD	X	3	X	X	X	X	X	X	1		X	X	X	X	1	2	2	1	X	X
ISP	X	3	X	X	X	Х	X	X	4		X	X	X	X	4	2	2	1	X	X
TISP	Х	3	X		х		Х	х		х			X	Х		2	2	1	X	X
ISP Annex (Svcs/ Apps)	x	3	x				x				x	x	x	x		2	2	1	х	х
х	X Required (PM needs to check with their Component for any additional architectural/regulatory requirements for CDDs, CPDs, ISPs/TISPs. (e.g., HQDA requires the SV-10c)																			
Note	1	Required only when IT and NSS collects, processes, or uses any shared data or when IT and NSS exposes, consumes or implements shared services,																		
Note	2	The 1	TV-1 a	nd TV-	2 are b	uilt us	ing th	e DISR	online	and m	ust be	poste	d for c	omplia	nce.					
Note	3	The AV-1 must be uploaded onto DARS and must be registered in DARS for compliance																		
Note	4	Only	Only required for Milestone C, if applicable (see Note 1)																	
Note	ote 5 The naming of the architecture views is expected to change with the release of DODAF v2.0 (e.g., StdV, SvcV, StdV, DIV). The requirements of this matrix will not change.																			



Mapping NR-KPP to Operational Impact



(notional example)

Capability	Operational Activity	System Function	Interface	Data & Services	Standards
JMT	OV-5	SV-4	SV-6	EVTS	TV-1
Joint C2	Understand Blue Force	Blue Force Location Auto Track Feed	(T) FBCB2 EPLRS (T) BFT SATCOM	Service: Blue Force Ground Data – Current Service: Blue	WSDL UDDI XML
	Resource States	Blue Force Location ISR Sensors	(T) BFT SATCOM (O) DCGS-A	Force Ground Data – Projected Data: JBFSA Schema/BFT COI	WS-I Basic Profile SOAP

Compliant Solution Architectures

(Operationally Effective Information Exchanges)

Net-Centric
Data & Services

GIG Technical Guidance

Information Assurance & Supportability



Operationally Effective Information Exchanges



NR-KPP Statement (Threshold)

...to include solution architecture products compliant with DoD Enterprise Architecture based on integrated DODAF content, including specified operationally effective information exchanges"

CJCSI 6212.01E



Operationally Effective Information Exchanges



Requirements Analysis

- OV-5/6c (and other viewpoints as needed) are used to determine mission requirements, functions, and activities
- OV-3/SV-6 are used to determine interoperability criteria, e.g.
 - Timeliness
 - Accuracy
 - Completeness

Test Planning and Execution

- Leverages all program lifecycle testing for data collection
- Interoperability testing of information exchanges must be on production representative system in an operationally realistic environment
 - Network
 - Loading conditions
 - IA Posture
 - Interfacing systems



Operationally Effective A Combat Support Agency Information Exchanges



Reporting

- Threshold: Meets all joint critical information exchange requirements contained in the J-6 certified NR-KPP
- Objective: Meets all information exchange requirements contained in the J-6 certified NR-KPP

...to include compliant with Net-Centric Data Strategy and Net-Centric Services Strategy, and the principles and rules identified in the DoD Information Enterprise Architecture (DoD IEA), excepting tactical and non-IP communications"

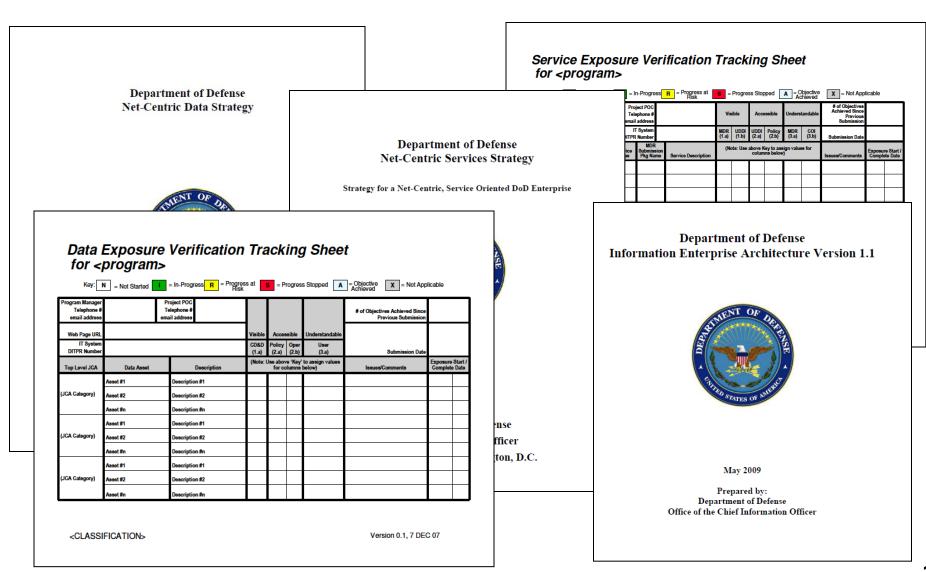
CJCSI 6212.01E

DIS Data and Services Strategy

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Data Strategy Compliance

Visible
Accessible
Data Management
Understandable
Trusted
Interoperable
Responsive to User's Needs

Services Strategy Compliance

Provide Services
Use Services
Govern the Infrastructure and Services
Monitor and Manage Services via GIG NetOPS

DoD Information Enterprise Architecture Compliance

Data and Services Deployment
Secured Availability
Shared Infrastructure Environment
Computing Infrastructure Readiness
NetOPS Agility

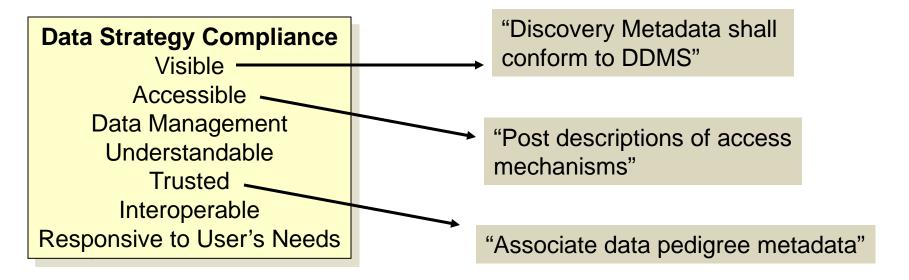
DISA

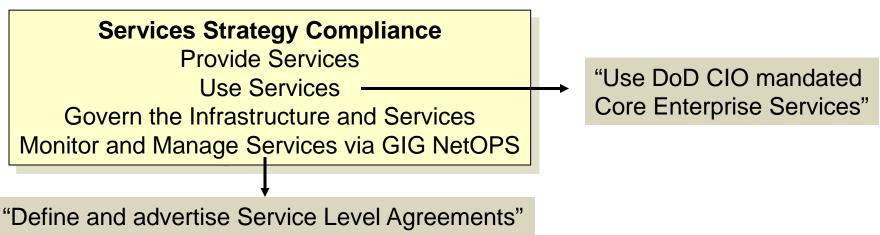
Data and Services Strategy

Requirements



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DISA Data and Services Strategy Requirements



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Net-Centric Data Requirement

Data is Visible

<u>Post discovery metadata in an Enterprise Catalog:</u> Department of Defense (DoD) Discovery Metadata Specification (DDMS)- conformant discovery metadata is posted in the Net-Centric Enterprise Services (NCES) Enterprise Catalog or other compatible/federated enterprise catalog that is visible to the Enterprise.

<u>Use appropriate keywords for discovery:</u> Discovery keywords should reflect common user terms, be appropriate for mission area or data type, be understandable, and conform with MDR requirements that map back to COI identified mission data.

Data is Accessible

<u>Post data to shared space:</u> Data asset is available in a shared space, i.e., a space that is accessible to multiple end users.

<u>Provide access policy:</u> If data is not accessible to all users, a written policy on how to gain access is available and accurate.

<u>Provide serving (access) mechanisms</u>: Shared space provides serving (access) mechanisms for the data. I.e., a service provides users with access to the data.

<u>Publish active link to data asset:</u> The Enterprise Catalog DoD Discovery Metadata Specification (DDMS) entry contains an active link (e.g., Uniform Resource Identifier (URI)) to the data asset.

Data is Understandable

Publish semantic and structural metadata

- Semantic and structural metadata are published in the Enterprise Catalog.

Register data artifacts in DoD MDR

- XML schema definitions (XSD), eXtensible Markup Language (XML) instances, data models (such as entity relationship diagrams) and other appropriate artifacts are registered in the DoD Metadata Registry (MDR).

Data is Interoperable

Base vocabularies on Universal Core (UCore)

- Semantic vocabularies reuse elements of the Universal Core (Ucore) standard. Comply with COI data-sharing agreements

- Semantic and structural metadata conform to interoperability agreements promoted through communities, e.g., Community of Interest (COI).

Conform to DDMS

- All metadata, including record-level database tagging and in-line document tagging, complies with DDMS.

Data is Trusted

Provide information assurance and security metadata

- All metadata, including record-level database tagging and in-line document tagging, includes data pedigree and security metadata, as well as an authoritative source for the data (when appropriate).

Net-Centric Services Requirement

Services are Visible

Publish a description of the service or access mechanism

- Descriptions (metadata) for the service or access mechanism are published in an enterprise service registry, e.g., the NCES Service Registry.

Comply with enterprise-specified minimum service discovery requirements

- The data access mechanism complies with enterprise-specified minimum service discovery requirements, e.g., a Universal Description, Discovery and Integration (UDDI) description to enable federated discovery.

Services are Accessible

Provide an active link to the service in the enterprise catalog

- Active link (e.g., Uniform Resource Identifier (URI)) to the specified service is included in the enterprise catalog metadata entry (i.e., metacard) for the specified service.

Provide an active link to the service in the NCES Service Registry

- URIs as the operational end points for services shall be registered in the NCES Service Registry by referencing the WSDL (that is in the MDR).

Services are Understandable

Publish a description of the service or access mechanism to the NCES Service Registry

- Metadata for the service or access mechanism are published in the NCES Service Registry.

Publish service artifacts to DoD MDR

- Web Service Description Language (WSDL) documents, and other appropriate artifacts are registered in the DoD Metadata Registry (MDR).

Provide service specification or Service Level Agreement (SLA)

- A service specification or Service Level Agreement (SLA) exists for services and data access mechanisms.

Services are Trusted

Operate services in accordance with SLA

- The service meets the performance standards in the SLA

Include security mechanisms or restrictions in the service specification

- The service specification describes security mechanisms or restrictions that apply to the service

Enable continuity of operations and disaster recovery for services

- The service has a defined and functional Continuity of Operations Plan

Provide NetOps Data (NetOps Agility)

- Services and data access mechanisms provide operational states, performance, availability, and security data/information to NetOps management services, e.g., Enterprise Management, Content Management, and Network Defense services

Use of Core Enterprise Services (CES)

- Core Enterprise Services (CES) are used in accordance with DoD CIO mandates

DISA Data and Services Strategy Does it apply?

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1. Is the system only a transmission device suc	ch as a radio, satellite, or network equipment?						
Transmission Devices are communications devices which provide connectivity, but do not handle data							
except in encapsulated form.							
YES: THIS SYSTEM IS ONLY A	NO: THIS SYSTEM IS NOT ONLY A						
TRANSMISSION DEVICE	TRANSMISSION DEVICE						
THE N-C DSS ELEMENT DOES NOT	GO TO QUESTION #2						
APPLY TO YOUR PROGRAM							
2. Does the system employ the use of Internet	Protocol (IP) as a means of communication?						
IP is a protocol used for communicating data acre							
YES: THIS SYSTEM USES THE	NO: THIS SYSTEM DOES NOT USE THE						
INTERNET PROTOCOL	INTERNET PROTOCOL						
GO TO QUESTION #3	THE N-C DSS ELEMENT DOES NOT APPLY TO						
2222	YOUR PROGRAM						
3. Does the system employ only pre-defined "	Point to Point" Information Exchanges?						
	ined, engineered information exchanges that do not have						
provisions for unanticipated GIG users in their in							
YES: THIS SYSTEM USES ONLY POINT	NO: THIS SYSTEM DOES NOT USE ONLY						
TO POINT INFORMATION EXCHANGES	POINT TO POINT INFORMATION						
	EXCHANGES						
THE N-C DSS ELEMENT DOES NOT	GO TO QUESTION #4						
APPLY TO YOUR PROGRAM							
	eliness constraints that preclude implementation of						
the Net-Centric Data or Services Strategies?							
Do any of the following apply:							
 System has network connectivity less than 85 							
 System resides on a network infrastructure w 							
 Latency constraints are equal to or less than 							
YES: THIS SYSTEM HAS	NO: THIS SYSTEM DOES NOT HAVE						
ARCHITECTURE CONSTRAINTS	ARCHITECTURE CONSTRAINTS						
PRECLUDING IMPLEMENTATION	PRECLUDING IMPLEMENTATION						
THE N-C DSS ELEMENT DOES NOT	GO TO QUESTION #5						
APPLY TO YOUR PROGRAM							
5. Does the system consume or provide Enterprise-Level Net-Centric Data or Services?							
Enterprise-level net-centric data is designed for use across Command, Component, Service or Agency							
	ise across Command, Component, Service or Agency						
Enterprise-level net-centric data is designed for u boundaries and is to be used by both anticipated	ise across Command, Component, Service or Agency						
boundaries and is to be used by both anticipated	se across Command, Component, Service or Agency and unanticipated users.						
boundaries and is to be used by both anticipated and Enterprise-level net-centric services are designed	se across Command, Component, Service or Agency and unanticipated users. for use across Command, Component, Service or						
Enterprise-level net-centric services are designed Agency boundaries and are developed in the form	se across Command, Component, Service or Agency and unanticipated users.						
Enterprise-level net-centric services are designed Agency boundaries and are developed in the form service-based technology.	se across Command, Component, Service or Agency and unanticipated users. I for use across Command, Component, Service or n of loosely-coupled software services, using any						
Enterprise-level net-centric services are designed Agency boundaries and are developed in the form service-based technology. YES: THIS SYSTEM CONSUMES OR	see across Command, Component, Service or Agency and unanticipated users. I for use across Command, Component, Service or n of loosely-coupled software services, using any NO: THIS SYSTEM DOES NOT CONSUME OR						
Enterprise-level net-centric services are designed Agency boundaries and are developed in the form service-based technology. YES: THIS SYSTEM CONSUMES OR PROVIDES ENTERPRISE-LEVEL NET-	see across Command, Component, Service or Agency and unanticipated users. I for use across Command, Component, Service or nof loosely-coupled software services, using any NO: THIS SYSTEM DOES NOT CONSUME OR PROVIDE ENTERPRISE-LEVEL NET-CENTRIC						
Enterprise-level net-centric services are designed Agency boundaries and are developed in the form service-based technology. YES: THIS SYSTEM CONSUMES OR PROVIDES ENTERPRISE-LEVEL NET-CENTRIC DATA OR SERVICES	se across Command, Component, Service or Agency and unanticipated users. I for use across Command, Component, Service or no floosely-coupled software services, using any NO: THIS SYSTEM DOES NOT CONSUME OR PROVIDE ENTERPRISE-LEVEL NET-CENTRIC DATA OR SERVICES						
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Requirements Analysis

- Determine applicability of net-centric requirements
- Determine enterprise-level shared data and services as defined in JS-certified requirements documents: Exposure Verification Tracking Sheet (EVTS) ("Blue Sheets")
- Risk Assessment Joint Critical vs. Contributory
- Test Planning and Execution
 - Conduct initial static analysis (e.g., registration of assets)
 - Execute conformance/compliance testing (e.g., schema conformance)
 - Verify mission effectiveness (e.g., visibility, accessibility)



- Threshold: Meets all joint critical net-centric requirements contained in the J-6 certified NR-KPP
- Objective: Meets all net-centric requirements contained in the J-6 certified NR-KPP



GIG Technical Guidance

NR-KPP Statement (Threshold)



...compliant with GIG Technical Guidance to include IT Standards identified in the TV-1 and implementation guidance of GIG Enterprise Service Profiles (GESPs) necessary to meet all operational requirements specified in the DoD Enterprise Architecture and solution architecture views"

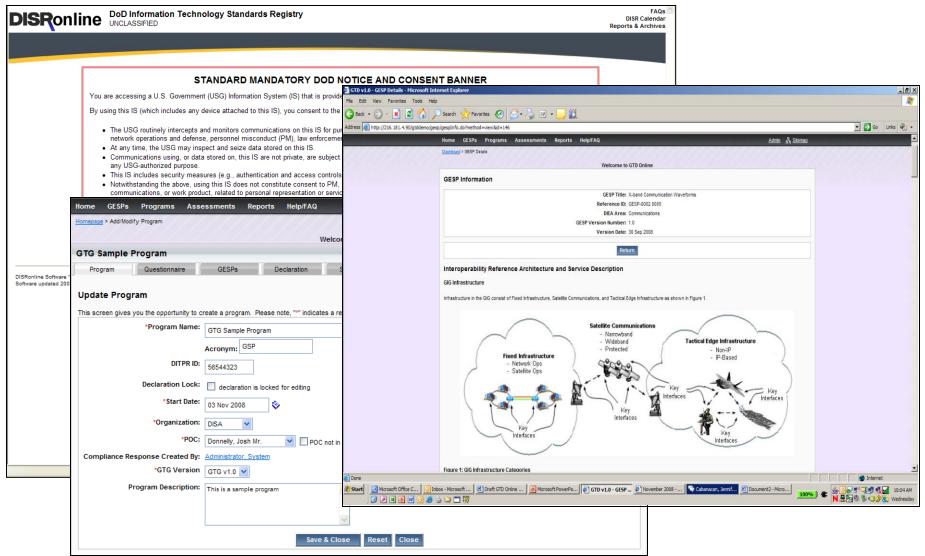
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DISA GIG Technical Guidance

Requirements Sources





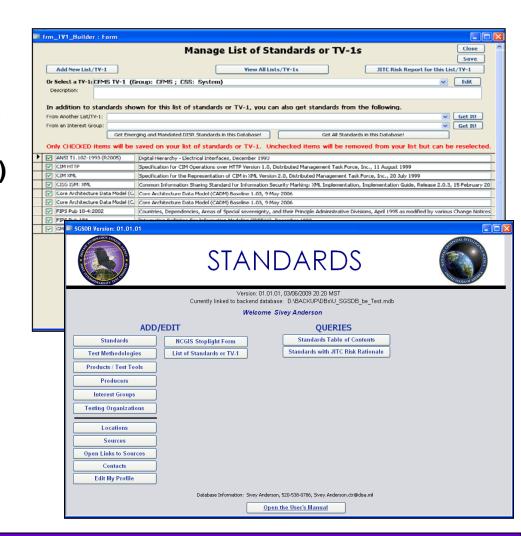




Requirements Analysis

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- Execute risk analysis on standards identified in system TV-1 using JITC Risk Assessment Database (J-RAD)
- Determine standards that will be tested and appropriate test environments/methodologies
- Test Planning and Execution
 - Leverage commercial and government test results, as appropriate
 - Execute standards conformance testing, as appropriate





GIG Technical Guidance

Reporting



- Threshold: No critical standards conformance-based deficiencies were identified in DT and OT by a combination of government and/or commercial verifications or JITC standards testing or conformance certifications that included all high-risk standards in the TV-1 that support a critical information exchange.
- Objective: No critical standards conformance-based deficiencies were identified in DT and OT by a combination of government and/or commercial verifications or JITC conformance certification for any high-risk standards in the TV-1.



Information Assurance

NR-KPP Statement (Threshold)



...to include Information assurance requirements including availability, integrity, authentication, confidentiality, and non-repudiation, and issuance of an Interim Authorization to Operate (IATO) or Authorization To Operate (ATO) by the Designated Accrediting Authority (DAA)"

CJCSI 6212.01E



Information Assurance

Requirements Sources





Department of Defense INSTRUCTION

NUMBER 8510.01 November 28, 2007

SUBJECT: DoD Information Assurance Certification and Accreditation Process (DIACAP)

- References: (a) Subchapter III of Chapter 35 of title 44. United States Code, "Federal Information Security Management Act (FISMA) of 2002"

 (b) DoD Directive 8500.01E, "Information Assurance (IA)," October 24, 2002

 - (c) DoD Directive 8100.1, "Global Information Grid (GIG) Overarching Policy," September 19, 2002
 - (d) DoD Instruction 8500.2, "Information Assurance (IA) Implementation," February 6, 2003
 - (e) through (ab), see Enclosure 1

PURPOSE

This Instruction:

- 1.1. Implements References (a), (b), (c), and (d) by establishing the DIACAP for authorizing the operation of DoD Information Systems (ISs).
- 1.2. Cancels DoD Instruction (DoDI) 5200.40; DoD 8510.1-M; and ASD(NII)/DoD CIO memorandum. "Interim Department of Defense (DoD) Information Assurance (IA) Certification and Accreditation (C&A) Process Guidance" (References (e), (f), and (g)).
- 1.3. Establishes or continues the following positions, panels, and working groups to implement the DIACAP: the Senior Information Assurance Officer (SIAO), the Principal Accrediting Authority (PAA), the Defense Information Systems Network (DISN)/Global Information Grid (GIG) Flag Panel, the IA Senior Leadership (IASL), the Defense (previously DISN) IA Security Accreditation Working Group (DSAWG), and the DIACAP Technical Advisory Group (TAG).
- 1.4. Establishes a C&A process to manage the implementation of IA capabilities and services and provide visibility of accreditation decisions regarding the operation of DoD ISs, including core enterprise services- and Web services-based software systems and applications.



Department of Defense DIRECTIVE

NUMBER 8500.01E October 24, 2002 Certified Current as of April 23, 200

ASD(NII)/DoD CIO

SUBJECT: Information Assurance (IA)

References: (a) Section 2224 of title 10, United States Code, "Defense Information Assurance

- (b) DoD Directive 5200.28, "Security Requirements for Automated Information Systems (AISs)," March 21, 1988 (hereby canceled)
- DoD 5200.28-M, "ADP Security Manual," January 1973 (hereby canceled)
- (d) DoD 5200.28-STD, "DoD Trusted Computer Security Evaluation Criteria," December 1985 (hereby canceled)
- (e) through (ah), see enclosure 1

PURPOSE

This Directive:

- 1.1. Establishes policy and assigns responsibilities under reference (a) to achieve Department of Defense (DoD) information assurance (IA) through a defense-in-depth approach that integrates the capabilities of personnel, operations, and technology, and supports the evolution to network centric warfare.
- Supersedes DoD Directive 5200.28, DoD 5200.28-M, DoD 5200.28-STD, and DoD Chief Information Officer (CIO) Memorandum 6-8510 (references (b), (c), (d), and (e)).
- 1.3. Designates the Secretary of the Army as the Executive Agent for the integration of common biometric technologies throughout the Department of Defense.
- Authorizes the publication of DoD 8500.1-M consistent with DoD 5025.1-M (reference (f)).



Information Assurance

Evaluation Procedures



Requirements Analysis*

- Evaluate the status of the Certification and Accreditation (C&A) process (DIACAP, NISCAP, ICD 503)
- All systems are required to receive an IATO/ATO (threshold) or ATO (objective) by the Designated Accrediting Authority (DAA)
- All systems are required to complete interoperability and operational testing in the approved IA configuration as specified in the C&A package

Test Planning and Execution

- Ensure the system is operating in the approved IA configuration for interoperability and operational testing
- Verify IATO/ATO
- Execute required additional IA testing

^{*} Not all systems are required to comply with DoDI 8510.01



Information Assurance Reporting



- Threshold: The Designated Accrediting Authority (DAA) has issued an Interim Authorization to Operate (IATO) or an Authorization to Operate (ATO) for the system
- Objective: The DAA has issued an ATO for the system



Supportability NR-KPP Statement (Threshold)



... Supportability requirements to include SAASM, Spectrum and JTRS requirements"

CJCSI 6212.01E



Supportability

Requirements Source





Department of Defense INSTRUCTION

NUMBER 4650 01 Tanuary 9 2009

SUBJECT: Policy and Procedures for Management and Use of the Electromagnetic Spectrum

References: See Enclosure 1

- 1. PURPOSE. This Instruction:
- a. Reissues DoD Directive (DoDD) 4650.1 (Reference (a)) as a DoD Instruction in accordance with the guidance in DoD Instruction (DoDI) 5025.01 (Reference (b)) and the authority in DoDD 5144.1 (Reference (c)).
- b. Establishes policy, assigns responsibilities, and provides instructions for management and use of the electromagnetic spectrum in accordance with Reference (c).
- c. Implements section 305 and chapter 8 of title 47, United States Code (Reference (d)); Office of Management and Budget (OMB) Circular A-11, Part 2, Sec. 33.4 (Reference (e)); and the Manual of Regulations and Procedures for Radio Frequency Management (Reference (f)).
- 2. APPLICABILITY. This Instruction applies to OSD, the Military Departments, the Office of the Chairman of the Joint Chiefs of Staff and the Joint Staff, the Combatant Commands, the Office of the Inspector General of the Department of Defense, the Defense Agencies, the DoD Field Activities, and all other organizational entities within the Department of Defense (hereafter referred to collectively as the "DoD Components").
- DEFINITIONS. See Glossary.
- 4. POLICY. It is DoD policy that:
- a. The electromagnetic spectrum (hereafter referred to as "spectrum") is a critical resource, and access to the spectrum is vital to the support of military operations. Proper management and use of the spectrum available to the Department of Defense shall be an integral part of military



Department of Defense

DIRECTIVE

NUMBER 3222.3 September 8, 2004

ASDONID

- CT: DoD Electromagnetic Environmental Effects (E3) Program
- ices: (a) DoD Directive 3222.3, "Department of Defense Electromagnetic
- Compatibility Program," August 20, 1990 (hereby canceled)
 (b) JCS Joint Publication 1-02, "Department of Defense Dictionary of Military and Associated Terms," September 28, 2002
- (c) DoD Instruction 4630.8, "Procedures for Interoperability and Supportability of Information Technology (IT) and National Security Systems (NSS)," June 30, 2004
- (d) DoD 4120.24-M, "Defense Standardization Program Policies and Procedures," March 9, 2000

SSUANCE AND PURPOSE

rective:

- Reissues reference (a) to update policy and responsibilities for the management plementation of the DoD Electromagnetic Environmental Effects (E3) Program to mutual electromagnetic compatibility (EMC) and effective E3 control among air, sea, and space-based electronic and electrical systems, subsystems, and ent, and with the existing natural and man-made electromagnetic environment
- Assigns responsibilities for the execution of the DoD E3 Program.
- Promotes the following DoD E3 Program objectives:
- 1.3.1. Achieving operational EMC for all electronic and electrical systems, ems, and equipment developed, acquired, and operated by the DoD Components. onal EMC and effective E3 control is achieved when systems, subsystems, and equipment operate in their intended EME without suffering unacceptable performance degradation from E3 or causing unintentional performance degradation to other systems.

CJCSI 6130.01D 13 April 2007

2007 CJCS MASTER SITIONING, NAVIGATION, ND TIMING PLAN (MPNTP)



JOINT STAFF WASHINGTON, D.C. 20318

> This document contains information exempt from mandatory disclosure under the FOIA. Exemptions 2, 3 and 5 apply.



Supportability Evaluation Procedures



- Spectrum Supportability
 - Verify the system has an approved (Stage 4) DD Form 1494 (for any spectrum dependent system) (DoDI 5000.02)
 - Verify completion of applicable requirements of DODD 3222.2,
 "DOD Electromagnetic Environmental Effects (E3)"
- Selective Availability Anti-Spoofing Module (SAASM)
 - Verify any GPS receivers procured are SAASM or MGUE compliant (CJCSI 6130.01D)
- Joint Tactical Radio System (JTRS)
 - Verify a JTRS solution or waiver for any radio solution operating within the 2MHz to 2 GHz range*

*Reference: (ASD(NII)/DOD CIO memorandum, 23 May 2005, "Temporary Suspension of the Joint Tactical Radio Systems (JTRS) Waiver Process" and ASD(NII)/DOD CIO memorandum, 12 January 2007 "Reinstatement of the Joint Tactical Radio, (JTRS) Waiver Process for Handheld Radio Procurements")



Supportability Reporting



- Threshold = Objective:
 - Spectrum Supportability
 - Approved Stage 4 DD Form 1494
 - Verified E3 compliance
 - SAASM Compliance: If the system implements GPS, the receiver must be SAASM compliant or the program has a waiver from ASD(NII)
 - JTRS Compliance: If the system has a requirement for radiobased communications in the 2 MHz to 2 GHz range, the system must implement a JTRS solution or have authorization from ASD(NII)/DoD CIO for the specific procurement



Interoperability Test and Certification Products



Certification	Description	System can be fielded (Y/N)?
Standards Conformance Certification	System is certified for conformance to a standard/ standards profile	No
Joint Interoperability Test Certification	Full system certification. System meets at least <u>all</u> <u>critical</u> interoperability requirements	Yes
Limited Joint Interoperability Test Certification	System meets <u>subset</u> of critical interoperability requirements	Yes, with ICTO
Interim Joint Interoperability Test Certification	A capability module has adequately demonstrated interoperability for at least <u>all critical</u> threshold requirements identified for the increment	Yes
Special Interoperability Test Certification	Certification is based on other J-6 approved requirements other than the NR-KPP, e.g., use of UCR for voice switches	Yes
Non-Certification	Critical operational impacts expected Provides a warning to the warfighter	No
Interoperability Assessment	PM would like to determine interoperability status. System may lack J-6 certified requirements	No



References



URLs for (Interoperability and Supportability) Internet resources are located on the CJSCI 6212 Resource Page:

https://www.intelink.gov/wiki/Portal:CJCSI 6212 Resource Page

JITC NR-KPP Guidebook:

https://www.intelink.gov/sites/jitc/nrkpp/guidebook/Wiki%20Pages/Home.
aspx

GIG Technical Guidance Online:

https://216.181.4.90/gtg/homepage.do

JITC Data & Services 101 Tutorial:

https://connect.dco.dod.mil/p51771709/?session=breezuffahb84y7v7qz7v

DISR Online Account Request:

https://disronline.disa.mil/a/public/consent

DoD Metadata Registry:

https://metadata.dod.mil/mdr/homepage.htm





Questions?

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