



A GUIDE TO CERTIFICATION

Course Objectives

Develop a DoD IA workforce with a common understanding of concepts, principals, and applications of IA for each category, specialty, level and function to enhance protection and availability of DOD information, information systems, networks and certifications.

- What is DODD 8570?
- 8570 Baseline Certification
- Certification Providers
- Summary of IA Workforce Qualifications
- IA Workforce Structure
- DOD 8570 Questions

What is DoDD 8570

DoDD 8570

Department of Defense Directive 8570 (DoDD 8570) provides guidance and procedures for the training, certification, and management of all government employees who conduct Information Assurance functions in assigned duty positions.

- These individuals are required to carry an approved certification for their particular job classification. GIAC certifications are among those required for Technical, Management, CND, and IASAE classifications. SANS courses prepare you to take a GIAC exam.

Who is Affected by DoDD 8570?

Any full or part-time military service member, contractor, or local nationals with privileged access to a DoD information system performing information assurance (security) functions -- regardless of job or occupational series.

Office of the Secretary of Defense
Military Departments
Chairman of the Joint Chiefs of Staff
Combatant Commands
Office of the Inspector General of the DoD
Defense Agencies
DoD Field Activities
All other organizational entities in the DoD

DoDD 8570 Requires

By the end of CY 2010, all personnel performing IAT and IAM functions must be certified.

By the end of CY 2011 all personnel performing CND-SP and IASAE roles must be certified.

All IA jobs will be categorized as 'Technical' or 'Management' Level I, II, or III, and to be qualified for those jobs, you must be certified

DoD Approved 8570 Baseline Certifications

As an extension of Appendix 3 to the DoD 8570.01-Manual, the following certifications have been approved as IA baseline certifications for the IA Workforce.

Personnel performing IA functions must obtain one of the certifications required for their position category or specialty and level.

Refer to Appendix 3 of 8570.01-M for further implementation guidance.

Table AP3.T2 DoD Approved Baseline Certifications

IAT Level I		IAT Level II		IAT Level III	
A+-CE Network+ CE SSCP CCNA-Security		GSEC Security+ CE SSCP CCNA-Security		CISA GCIH GSE GCED CISSP (or Associate) CASP	
IAM Level I		IAM Level II		IAM Level III	
CAP GISP GSLC Security+ CE		CAP GSLC CISM CASP CISSP (or Associate)		GSLC CISM CISSP (or Associate)	
IASAE I		IASAE II		IASAE III	
CISSP (or Associate) CASP CSSLP		CISSP (or Associate) CASP CSSLP		CISSP - ISSEP CISSP - ISSAP	
CNDSP Infrastructure Support					
CNDSP Analyst		CNDSP Incident Responder		CNDSP Auditor	
GCIA CEH GCIH		SSCP CEH		GCIH CSIH CEH GCFA	
				CNDSP Manager	
				CISA GSNA CEH	
				CISSP-ISSMP CISM	

Certified Providers

Carnegie Mellon Software Engineering Institute CERT® *	Computer Security Incident Handler (CSIH)
Cisco	Cisco Certified Network Associate-Security (CCNA-Security)
Computing Technology Industry Association (CompTIA) *	A+ Continuing Education (CE)
CompTIA *	Security+ Continuing Education (CE)
CompTIA *	Network+ Continuing Education (CE)
CompTIA *	CompTIA Advanced Security Practitioner Continuing Education (CE)
EC-Council *	Certified Ethical Hacker (CEH)
International Information Systems Security Certifications Consortium (ISC) 2 *	Certified Information Systems Security Professional (CISSP) (or Associate - this means the individual has qualified for the certification except for the number of years experience)
(ISC)2 *	Certified Secure Software Lifecycle Professional
(ISC)2 *	Certification Authorization Professional (CAP)
(ISC)2 *	Information Systems Security Architecture Professional (ISSAP)
(ISC)2 *	Information Systems Security Engineering Professional (ISSEP)
(ISC)2 *	Information Systems Security Management Professional (ISSMP)
(ISC)2 *	System Security Certified Practitioner (SSCP)
Information Systems Audit and Control Association (ISACA) *	Certified Information Security Manager (CISM)
ISACA *	Certified Information Systems Auditor (CISA)
Global Information Assurance Certification (GIAC) *	GIAC Certified Intrusion Analyst (GCIA)
GIAC *	GIAC Certified Enterprise Defender (GCED)
GIAC *	GIAC Certified Forensic Analyst (GCFA)

Information Assurance Technical (IAT)

IAT Level 1

A+
Network+
SSCP
CCNA-Security

IAT Level II

GSEC
Security+
SSCP
CCNA-Security

IAT Level III

CISA GCIH
CASP GCED
CISSP (or Associate)

Information Assurance Management (IAM)

IAM Level I

CAP
GSLC
Security+

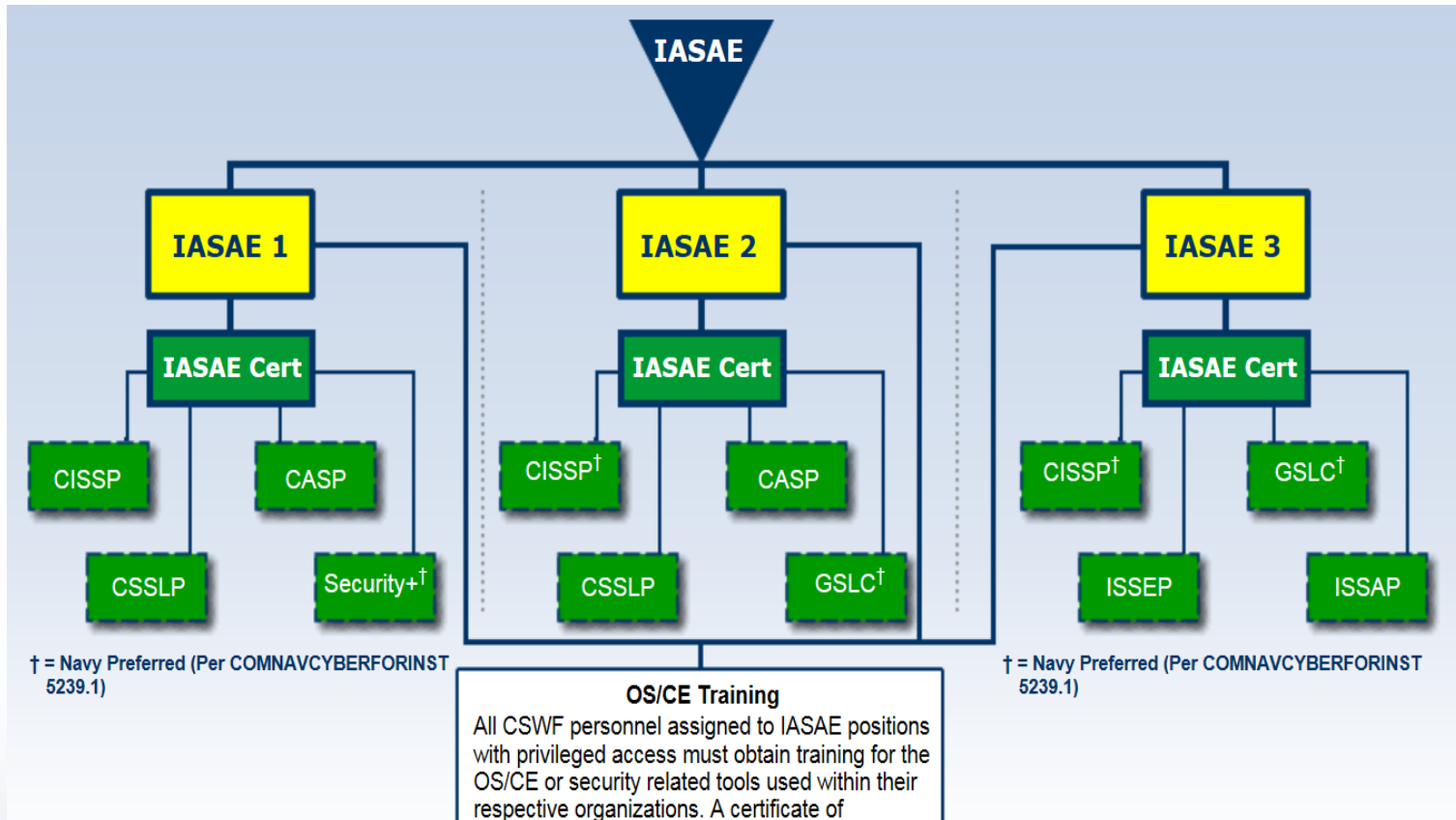
IAM Level II

CAP
GSCL
CISM CASP
CISSP (or Associate)

IAM Level III

GSLC
CISM
CISSP (or Associate)

IASAE Certification



External Certification Authority Program

- External Certification Authority Program
- DoD PKI Program Management Office (PMO)
- ECA vendors that have been approved
 - Operational Research Consultants, Inc. (ORC)
 - VeriSign, Inc.
 - IdenTrust, Inc.

Summary of IA Workforce Qualification Requirements

	IAT I-III	IAM I-III	IASAE I-III	CND-A, CND-IS, CND-IR, CND-AU and CND-SPM
Initial Training*	Yes	Yes	Yes	Yes
IA Baseline Certification	Yes (IA Certification) (within 6 months)	Yes (IA Certification) (within 6 months)	Yes (IA Certification) (within 6 months)	Yes (CND Certification) (within 6 months)
OJT Evaluation	Yes (for initial position)	No	No	Yes (except CND-SPM)
CE Certification	Yes	No	No	Yes (except CND-SPM)
Maintain Certification Status	Yes (as required by certification)	Yes (as required by certification)	Yes (as required by certification)	Yes (as required by certification)
Continuous Education	Yes (as required by certification)	Yes (as required by certification)	Yes (as required by certification)	Yes (as required by certification)
Background Investigation	As required by IA level and DoDI 8500.2	As required by IA level and DoDI 8500.2	As required by IA level and DoDI 8500.2	As required by IA level and DoDI 8500.2
Sign Privileged Access Statement	Yes	n/a	n/a	Yes (except CND-SPM)
Experience	IAT I: Entry level technical position – 0 to 5 or more years of experience in IA technology or a related field.	IAM I: Entry level management position – 0 to 5 years of management experience.	IASAE I: Entry level IASAE position with 0 or more years of IASAE experience.	Recommended years of experience in CND technology or a related field: CND-A: at least 2 CND-IR: at least 5 CND-AU: at least 2
	IAT II: At least 3 years in IA technology or a related area.	IAM II: At least 5 years of management experience.	IASAE II: At least 5 years of IASAE experience.	CND-IS: Recommended at least 4 years of experience supporting CND and/or network systems and technology.
	IAT III: At least 7 years experience in IA technology or a related area.	IAM III: At least 10 years of management experience.	IASAE III: At least 10 years of IASAE experience.	CND-SPM: Recommended at least 4 years of experience in CND management or a related field

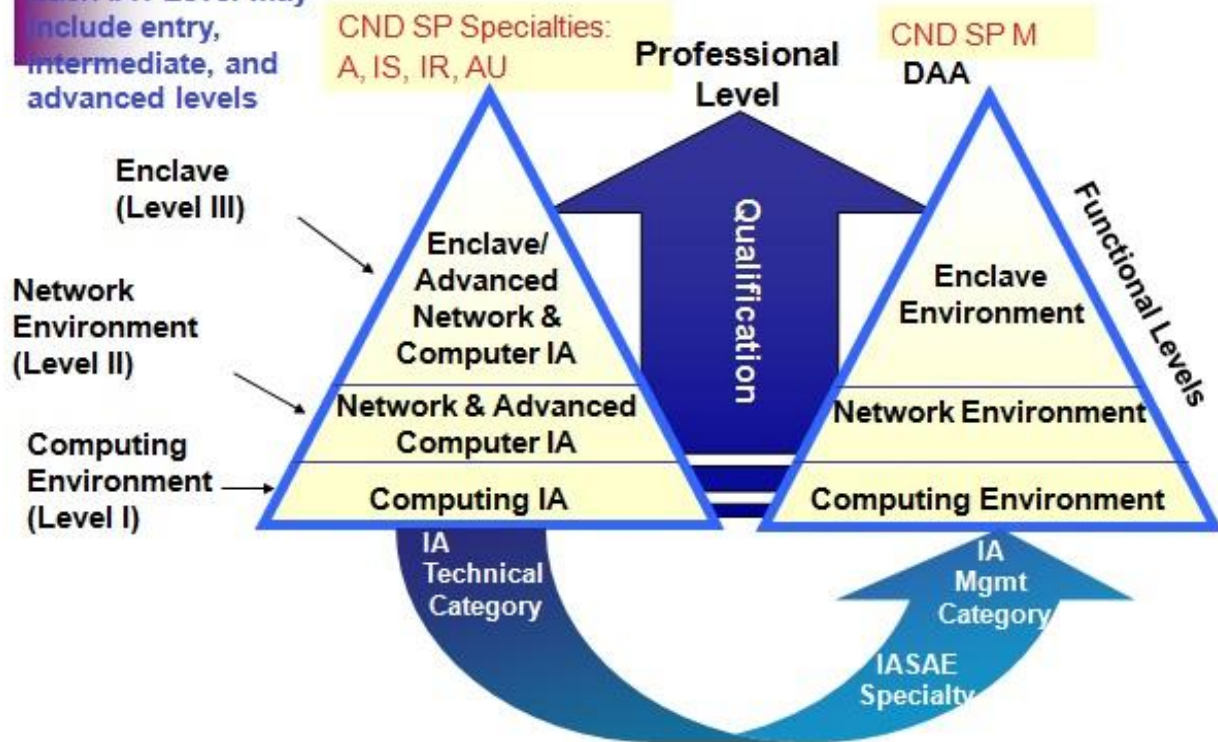
*Classroom, distributive, blended, government or commercial provider



IA Workforce Structure

IA WF Structure

Each IAT Level may include entry, intermediate, and advanced levels



What support can the Office of the DoD CIO offer to Components to plan for 8570 implementation?

- Starting in FY11, DoD Components must individually budget and pay for DoD military and civilian IA Workforce members' required certifications, as well as include IA WIP sustainment requirements in their budget plans.
- Defense-wide Information Assurance Program (DIAP) personnel are available to provide briefs and to support regional or major command workshops for 8570 implementation planning.
- You are strongly encouraged to work within your Component Human Resources and IA operations leadership to establish a plan for meeting the requirements in DoD 8570.01 and DoD 8570.01-M.

Will the qualification requirements specified in DoD Directive 8570.01 and 8570.01-M replace Component, Command or community specific qualification requirements?

- No. The 8570 provides a DoD enterprise-wide IA knowledge and skills baseline requirement. You are required to comply with relevant Component, Command, or community specific requirements for IA qualifications.
- Components may require personnel performing IA job functions to complete specific qualifications in addition to those identified in the Manual. Confirm with your direct supervisor or IA leadership that you are categorized and qualified at the right level and meet the appropriate Component specific requirements.

Have the National Unions agreed to support these requirements?

- Yes. As part of the DoD's formal staffing process, USD P&R conducted a "national consultation" (NCR) in which the unions had an opportunity to comment on the Manual. The National Unions either made no comment or were supportive of the IA WIP.

What role can the local unions play in the IA WIP?

- The National Consultation (NCR) does not absolve local parties from fulfilling their local bargaining obligations, as appropriate, prior to implementation of DoD policy.

They can participate in the planning for meeting the IA WIP requirements for the Civilian IA Workforce. The local union cannot negotiate the actual implementation requirements.

- For example:
- Who needs to be certified is non-negotiable.
- Order/priority to certify the local IA Workforce may be negotiated.
- The number of retests the organization will fund may be negotiated.

How long do I have to become certified?

- There is a six-month limit for obtaining an IA Baseline Certification for all Service personnel, Government civilians, local nationals, and Non-Appropriated Fund employees. Contractors should have the appropriate IA Baseline Certification when entering the contract.

Do I have to take the training associated with a certification, or can I just take the test?

- Under DoD Directive 8570.01 and as specified in DoD 8570.01-M, you are not required to take specific training to prepare for the certification test.
- However, you should be able to demonstrate the ability to pass the test (e.g., take and pass a "pre-test" or assessment exam). Your IAM should verify that you are prepared to take the certification exam before authorizing you to request an exam voucher.

Once I become certified, what do I do?

- Register and release all your certifications in the Defense Workforce Certification Application (DWCA):
- <https://www.dmdc.osd.mil/appj/dwc/index.jsp>. This is the authoritative database for all DoD Military, Civilian and Contractor personnel who hold active DoD 8570.01-M certifications. By releasing your certification(s) in the DWCA you ensure that the DoD is aware of your certification status and that the information can be validated by the certification providers (e.g. ISC², GIAC, ISACA, CompTIA).

I already hold a certification listed in DoD 8570.01-M, what more will I need to do?

- Register and release your certifications in the Defense Workforce Certification Application (DWCA):
- <https://www.dmdc.osd.mil/appj/dwc/index.jsp>. This is the authoritative database of all DoD Military, Civilian and Contractor personnel who hold active DoD 8570.01-M certifications. By releasing your certification(s) in the DWCA, you ensure that the DoD is aware of your certification status and that the information can be validated by the certification providers (e.g. ISC², GIAC, ISACA, CompTIA).

How do my annual maintenance fees get paid?

- Since January 2011, your DoD Component has been responsible for paying your AMF. Contact your IAM or Component Office of Primary Responsible for executing the DoD 8570.01-M.

If I fail a certification can I retake the exam?

- Yes. The 8570.01 and 8570.01-M do not set a limit on the number of times a person may attempt to qualify for certification. Components must support at least one retest attempt, but may enforce a limit on the number of additional retests they will fund. If the individual's Component has set a limit on the number of retest attempts, an individual may take a subsequent test at their own expense.
- If they qualify for certification, then they would qualify to fill an IAT or IAM position (assuming they meet the other requirements such as background investigation, OJT, etc.).
- Remember, after CY 2010 a DoD military or civilian employee that has not completed the requirements and certifications outlined in the DoD 8570.01-M Manual is not authorized to fill an IAT or IAM billet (2011 for IASAE or CND SP).

Review Reference Material

- 8570 Information Assurance Workforce Improvement Program
- Application Server Security Requirements Guide
- DoD Directive DoD 8570 Policies and References
Desktop Application General Overview
- Anti Spyware General



THANK YOU
