

SANS

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DoD Directive (DoDD) 8140 (8570) and GIAC Certifications

www.giac.org/8140





Q. Why is GIAC the best certification for 8140 (8570)?

A. GIAC Certifications provides assurance to employers that their employees and contractors can actually do the job they are assigned to do. GIAC goes beyond theory and terminology and tests the pragmatics of Audit, Security, Operations, Management, and Software Security.

The family of GIAC certifications targets actual job-based skill sets, rather than taking a one-size-fits-all approach to IT Security. GIAC offers more than 30 specialized information security certifications; many of these certifications are recognized under the DoD 8140 (8570) program.

The GIAC certification process validates the specific skills of security professionals and developers with standards that were developed using the highest benchmarks in the industry.

Q. What are the benefits of GIAC Certification for managers?

- A.
- Increased confidence that GIAC certified individuals charged with securing your systems, networks, and software applications actually know how to do the job.
 - A proven indicator of job-related knowledge, GIAC certifications help managers ensure they have the right people in the right positions.
 - GIAC certification helps to ensure that system and network administrators have the actual technical skills sets needed to meet their security responsibilities.

Q. What are the benefits of GIAC Certification for individuals?

- A.
- GIAC certified professionals possess a job-based skill set that favorably influences job security and advancement.
 - GIAC certification identifies those individuals who know the tasks required to protect your systems and networks and who have the skills needed to perform those tasks.
 - GIAC ensures that certified professionals keep their skills and knowledge current through periodic recertification and access to the latest, most up-to-date information.

Q. How does GIAC differ from other certifications?

- A.
- GIAC offers over 30 specialized information security certifications, rather than a one-size fits all approach
 - GIAC tests on pragmatics, not theory
 - GIAC validates real-world skills
 - GIAC ensures knowledge necessary to complete the task at hand

Q. Where can I find more information about DoDD 8140 (8570)

- A.
- Go to The DoD8570 Information Assurance Workforce Improvement Program Office at <http://iase.disa.mil/iawip/Pages/index.aspx>
 - Call the Defense Information Assurance Program (DIAP) Office at **1-800-490-1643**
 - Contact **8140@sans.org** or call Customer Support at **301-654-7267**.



Certifications

DoD Baseline IA Certifications

TECH II

GSEC†

SEC401: SANS Security Essentials Bootcamp Style

Security+†

GICSP†

ICS410: ICS/SCADA Security Essentials

TECH III

GCIH†

SEC504: Hacker Tools, Techniques, Exploits, and Incident Handling

GCED†

SEC501: Advanced Security Essentials – Enterprise Defender

CISSP*†

MGT414: SANS Training Program for CISSP® Certification

MGT I

GSLC†

MGT512: SANS Security Leadership Essentials For Managers with Knowledge Compression™

MGT II

GSLC†

MGT512: SANS Security Leadership Essentials For Managers with Knowledge Compression™

CISSP*†

MGT414: SANS Training Program for CISSP® Certification

MGT III

GSLC†

MGT512: SANS Security Leadership Essentials For Managers with Knowledge Compression™

CISSP*†

MGT414: SANS Training Program for CISSP® Certification

Computer Environment (CE) Certifications

GCWN†

SEC505: Securing Windows and PowerShell Automation

GCUX†

SEC506: Securing Linux/Unix

Cyber Security Strategy and Policy (CSSP) Certifications

CSSP ANALYST

GCIAT†

SEC503: Intrusion Detection In-Depth

GCIH†

SEC504: Hacker Tools, Techniques, Exploits, and Incident Handling

GICSP†

ICS410: ICS/SCADA Security Essentials and Systems

CSSP INCIDENT RESPONDER

GCIH†

SEC504: Hacker Tools, Techniques, Exploits, and Incident Handling

GCFA†

FOR508: Advanced Digital Forensics and Incident Response

CSSP AUDITOR

GSNA†

AUD507: Auditing & Monitoring Networks, Perimeters, and Systems

CSSP INFRASTRUCTURE SUPPORT

GICSP†

ICS410: ICS/SCADA Security Essentials and Systems

Information Assurance System Architecture & Engineering (IASAE) Certifications

IASAE I

CISSP*†

MGT414: SANS Training Program for CISSP® Certification

IASAE II

CISSP*†

MGT414: SANS Training Program for CISSP® Certification

*Or Associate

†SANS training available

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DoDD 8140 FAQs

Q. What is DoDD 8140 (8570)?

A. Department of Defense Directive 8570 has been replaced by the DoD CIO as DoDD 8140; DoDD 8570 is now a part of a larger initiative that falls under the guidelines of DoDD 8140. DoDD 8140 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.

Q. Who is affected by 8140 (8570)?

A. 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. The manual, **8570.01M**, specifies that the Department of Defense requires approximately 110,000 identified Information Assurance professionals to be certified within a five year time period. The Defense Information Assurance Program office has divided its Information Assurance workforce into six defined categories (see chart below). The manual also specifies the types of commercial information assurance credentials that qualify for each of the defined categories.

Q. What are the requirements for DoDD 8140 (8570)?

A. DoD Directive 8140 (8570) requires:

- All personnel performing IAT and IAM functions must be certified.
- 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.

Q. What is the future for DoDD 8570?

A. DoDD 8570 became part of DoDD 8140. However, DoD personnel will be required to meet the requirements of DoDD 8570 until the DoDD 8140 manuals are developed and approved. More details on what will be changing, as part of DoDD 8140, will be posted as it becomes available. Sections of DoDD 8140 will be based on the NICE Initiative at <http://csrc.nist.gov/nice/index.htm>

“As part of the Raytheon IIS Information Security Engineering group, we send nearly all of our new hires through the SANS Security Essentials Bootcamp training classes to ensure they have the fundamental skills necessary to work in our environment. We view GIAC certifications as an essential part of this process. GIAC Certification helps ensure both our management and our customers that our employees understand how to build secure systems.”

-MONTY McDUGAL, RAYTHEON

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Why is SANS the best source for InfoSec training?

Thought Leader

SANS is the leading organization in computer security training. SANS provides intensive, immersion training designed to help you and your staff master the practical steps necessary for defending systems and networks against the most dangerous threats – the ones being actively exploited. The courses are full of important and immediately useful techniques that students can put to work as soon as they return to their offices. SANS courses were developed through a consensus process involving hundreds of administrators, security managers, and information security professionals. Our courses address both security fundamentals and the in-depth technical aspects of the most crucial areas of information security.

Best Instructors

SANS courses are taught in a classroom setting and by “SANS Certified Instructors.” The selection, training, and certification process to become a SANS faculty is time tested. Last year more than 90 people tried out for the SANS faculty, but only five new people were selected.

Significant Community Contributor

SANS develops, maintains, and makes available at no cost the largest collection of research documents about various aspects of information security. Additionally, SANS operates the Internet's early warning system – the **Internet Storm Center**. At the heart of SANS are the many security practitioners in government agencies, corporations, and universities around the world who invest hundreds of hours each year in research and teaching to help the entire information security community. All this research and development activity helps to assure that SANS delivers the latest and greatest courseware available in the market today and produces the best instructors.

SANS courses are the best for information security training because:

- SANS training is updated multiple times throughout the year to keep up with the latest in the industry.
- SANS courses are written based on practical real world knowledge that you can apply as soon as you return to the office. That is the SANS courses.
- SANS courses are developed and taught by practitioners out in the field so you can be assured of instruction based on best practices in the marketplace.
- SANS can deliver training to the DoD globally. We can deliver this training in one of many ways: **Global Training Events**, **OnSite**, and web-based via **vLive** and **OnDemand**.
- SANS training supports a variety of third-party certifications, including those from CompTIA, CISA, and ISACA.

SANS training courses provide a solid foundation for the Global Information Assurance Certification (GIAC), which has over 75,000 security professionals who have already proven their skills and knowledge to meet our challenging standards. GIAC is unique in the field of information security certifications because it not only tests a candidate's knowledge but also the candidate's ability to put that knowledge into practice in the real world.

“As our C4 systems become netcentric and more linked with our weapons systems, it is essential that our IA workforce be up to the task of securing our networks. I am proud to be on the cyber defense line with such a competent industry partner that understands the needs of the defense department and is willing to work with us to help accomplish this difficult task.”

-MIKE KNIGHT, NAVAL NETWAR COMMAND

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SANS About SANS

SANS

SANS INSTITUTE

No other training organization is a better partner than SANS for information security professional development

The world's largest and most trusted source for information security training

91 OF THE **FORTUNE 100**

employ cybersecurity professionals trained by SANS

Programs reach more than **165,000 SECURITY PROFESSIONALS** around the world



More than 400 multi-day courses in **90 CITIES WORLDWIDE**

30,000+ professionals trained each year, globally



72,000+ CERTIFICATIONS ISSUED

"When it comes to SANS instructors and knowledge, no organization comes close."

James Rogers, Dairyland Power Corp

Exclusive organization of SANS-Certified Fellows and Instructors

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SANS-CERTIFIED FELLOWS AND INSTRUCTORS



Recognized, practicing, subject-matter experts in their fields, advisors to governments and leading corporations

5.5% ACCEPTANCE RATE

for those applying to become an instructor in 2015



Instructors hold a current GIAC certification of **85% OR BETTER**

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*“There is no better way to learn information security today.
Both the material and the instructors are world class.”*

Mikkel Seiero, IBM



Validates practical skills using GIAC's world-class testing and certification programs

- ▶ **30+** specialized, hands-on information security certifications
- ▶ Certifications **VALID FOR 4 YEARS**
- ▶ **81% OF HIRING MANAGERS** consider certifications a factor in their hiring decisions

- ▶ Training for **6.5+ MILLION WORLDWIDE** in 25+ languages
- ▶ **5 PRODUCTS**, 155 unique modules, 673 minutes of training in 28 languages
- ▶ **OUCH!** security awareness newsletter with **75,000+ SUBSCRIBERS**, published monthly in 27 languages

Changing employee behavior with security awareness training



Stay abreast of the latest news, threats and vulnerabilities

- ▶ **INTERNET STORM CENTER** - Millions of log files across 500,000 IP addresses scanned to assess potential threats
- ▶ **NEWBITES** - Insight and expert commentary on the latest news sent to 200,000+ subscribers 2x per week
- ▶ **@RISK** - New attack vectors, vulnerabilities with active new exploits sent to 105,000+ subscribers 1x per week
- ▶ **WEBCASTS** - In-depth discussions led by SANS instructors and vendors, 200+ annually
- ▶ **WHITEPAPERS** - 20 new articles written monthly

THE SANS PROMISE: Students will be able to use what they learn the day they return to the office.

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SANS TRAINING FORMATS

LIVE TRAINING



Multi-Course Training Events

sans.org/security-training/by-location/all

Live Instruction from SANS' Top Faculty, Vendor Showcase, Bonus Evening Sessions, and Networking with Your Peers



Summit

sans.org/summit

Live IT Security Summits and Training



Community SANS

sans.org/community

Live Training in Your Local Region with Smaller Class Sizes



Private Training

sans.org/private-training

Live Training at Your Office Location



Mentor

sans.org/mentor

Live Multi-Week Training with a Mentor

ONLINE TRAINING



OnDemand

sans.org/ondemand

Four Months of Self-Paced e-Learning



vLive

sans.org/vlive

Live Online, Evening Sessions with Six Months of Online Course Access



Simulcast

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Online, Daytime Access to a One-Week Live-Event Course



SelfStudy

sans.org/selfstudy

Self-Paced Study with Lecture Audio



OnDemand Bundles

sans.org/ondemand/bundles

Extend Your Training with an OnDemand Bundle Including Four Months of E-learning