

SANS

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

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- A. Department of Defense Directive 8570 has been replaced by the DoD CIO as DoDD 8140; DoDD 8570 is now a part of a larger initiative that falls under the guidelines of DoDD 8140.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



Certifications

DoD Baseline IA Certifications

TECH II

GSEC†
SEC401: SANS Security Essentials
Bootcamp Style
Security+†

TECH III

GCIH†
SEC504: Hacker Techniques, Exploits,
and Incident Handling

CISSP*†
MGT414: SANS® +S™ Training Program
for the CISSP® Certification Exam

GCED†
SEC501: Advanced Security Essentials –
Enterprise Defender

MGT I

GSLC†
MGT512: SANS Security Leadership
Essentials For Managers

MGT II

GSLC†
MGT512: SANS Security Leadership
Essentials For Managers
CISSP*†
MGT414: SANS® +S™ Training Program
for the CISSP® Certification Exam

MGT III

GSLC†
MGT512: SANS Security Leadership
Essentials For Managers
CISSP*†
MGT414: SANS® +S™ Training Program
for the CISSP® Certification Exam

Computer Environment (CE) Certifications

GCWN†
SEC505: Securing Windows

GCUX†
SEC506: Securing Linux/Unix

Computer Network Defense (CND) Certifications

CND ANALYST

GCIA†
SEC503: Intrusion Detection
In-Depth
GCIH†
SEC504: Hacker Techniques, Exploits,
and Incident Handling

CND INCIDENT RESPONDER

GCIH†
SEC504: Hacker Techniques, Exploits,
and Incident Handling
GCFA†
FOR508: Advanced Computer Forensic Analysis
and Incident Response

CND AUDITOR

GSNA†
AUD507: Auditing Networks, Perimeters,
and Systems

Information Assurance System Architecture & Engineering (IASAE) Certifications

IASAE I

CISSP*†
MGT414: SANS® +S™ Training Program
for the CISSP® Certification Exam

IASAE II

CISSP*†
MGT414: SANS® +S™ Training Program
for the CISSP® Certification Exam

*Or Associate

†SANS training available

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

A. The GIAC (Global Information Assurance Certification) Program 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. There are over 75,000 GIAC certified professionals in the IT security 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/eta/iawip>
 - 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**.



About SANS

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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About 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, certification, and research



Master the practical steps to defend your systems and networks

- ▶ **50+** intensive, immersion, hands-on courses taught by SANS certified instructors
- ▶ **7 DISCIPLINES** including cyber defense operations, vulnerability assessment, forensics, incident response, security leadership, software security, and industrial control systems
- ▶ **OVER 200** live training events held globally

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



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

The best of the best instructors. Only **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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About SANS

*"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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Live Classroom Training Formats



Multi-Course Training Events

Live instruction from SANS' top faculty, vendor showcase, bonus evening sessions, and networking with your peers

SANS Training Events are recognized as the best place in the world to get information security education, from intimate gatherings to SANS action-packed national events! Network with other information security professionals, hear world-class speakers, actively engage with providers of proven security solutions, and participate in challenges and contests. www.sans.org/security-training/bylocation/index_all.php

Select classes can be attended remotely via SANS Simulcast. www.sans.org/simulcast



Community SANS

Live Training in Your Local Region with Smaller Class Sizes

Community SANS offers the most popular SANS courses in your local community in a small classroom setting – most classes have fewer than 25 students. The course material is delivered just like it would be at a larger SANS event; but with SANS training brought to your community, you'll save money on tuition and travel.

www.sans.org/community_sans



Private Training

Live Training at Your Office Location

With the SANS Private Training program, you can bring a combination of high-quality content and world-recognized instructors to your location and realize significant savings in employee travel costs and on course fees for larger classes.

www.sans.org/private-training



Mentor

Live Multi-Week Training with a Mentor

The SANS Mentor program offers the flexibility of live instruction with self-paced learning. Classes are conducted over the course of several weeks, much like a graduate level course. Students study on their own then work with the Mentor during class to discuss material, answer questions and work on exercises and labs such as Capture the Flag.

www.sans.org/mentor



Summits

Live IT Security Summits and Training

SANS Summits are two-day events that focus on the most current topics in computer and IT security. User panels, debates, vendor demos, and short talks by industry experts help you get the most up-to-date security solutions in the least amount of time. www.sans.org/summit

Online Training Formats



OnDemand

Four Months of Self-Paced e-Learning

OnDemand lets you access more than 25 SANS courses whenever and wherever you want. Each course gives you four months of access to our OnDemand e-learning platform, which includes a mix of presentation slides, video demonstrations, interactive labs, and assessment tests supported with audio of SANS' top instructors teaching the material. www.sans.org/ondemand



vLive

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

SANS vLive allows you to attend live SANS courses from the convenience of your home or office. Simply log in at the scheduled times and join your instructor and classmates in an interactive virtual classroom. Classes typically meet two evenings a week for five or six weeks. No other SANS training format gives you as much time with our top instructors! www.sans.org/vlive



Simulcast

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

Event Simulcast allows you to attend a SANS training event without leaving home. Simply log in to a virtual classroom to see, hear, and participate in the class as it is being presented LIVE at the event. The Event Simulcast option is available for many classes taught at our largest training events. www.sans.org/simulcast



SelfStudy

Self-Paced Study with Lecture Audio

For the motivated student who enjoys working independently we offer the SANS SelfStudy program. Students receive SANS course books (and CDs when applicable) and online access to MP3 files of SANS' world-class instructors teaching the material. Study texts and listen to the lectures at your own convenience and pace! www.sans.org/selfstudy



OnDemand Bundles

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

The OnDemand Bundle provides you with four months of online access to our OnDemand e-learning platform, which includes synchronized presentations of quizzes, SANS courseware and video demonstrations taught by SANS' top instructors. This supplemental training is available when purchasing a course through any of SANS other training programs. www.sans.org/ondemand/bundles