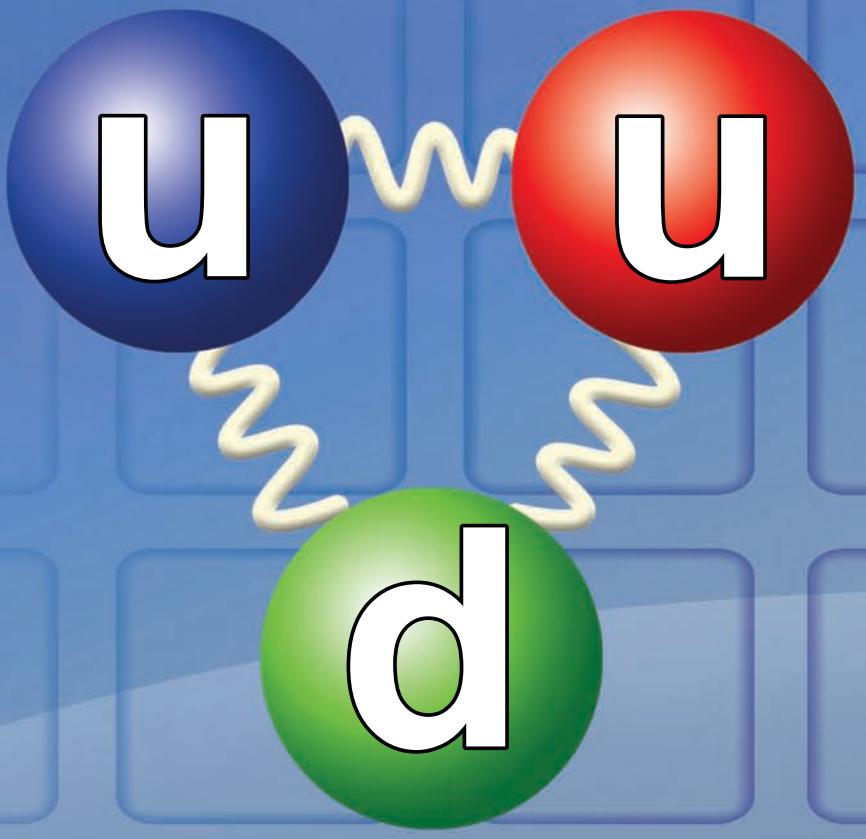
Defense Threat Reduction University

Radiological and Nuclear Training

and Information Analysis Resources



ACCREDITED by the AMERICAN ASSOCIATION OF MUSEUMS

See page 6 for details

AMERICAN COUNCIL ON EDUCATION
ACE CREDIT
College Credit Recommendation Service

See page 12 for details regarding recommended ACE college credit of DNWS courses

FY 2012 Catalog

Sponsored by
Defense Threat Reduction Agency

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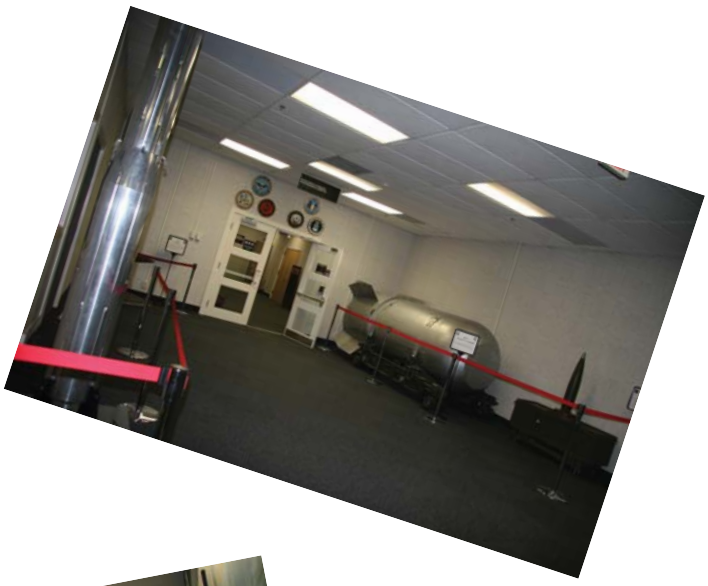
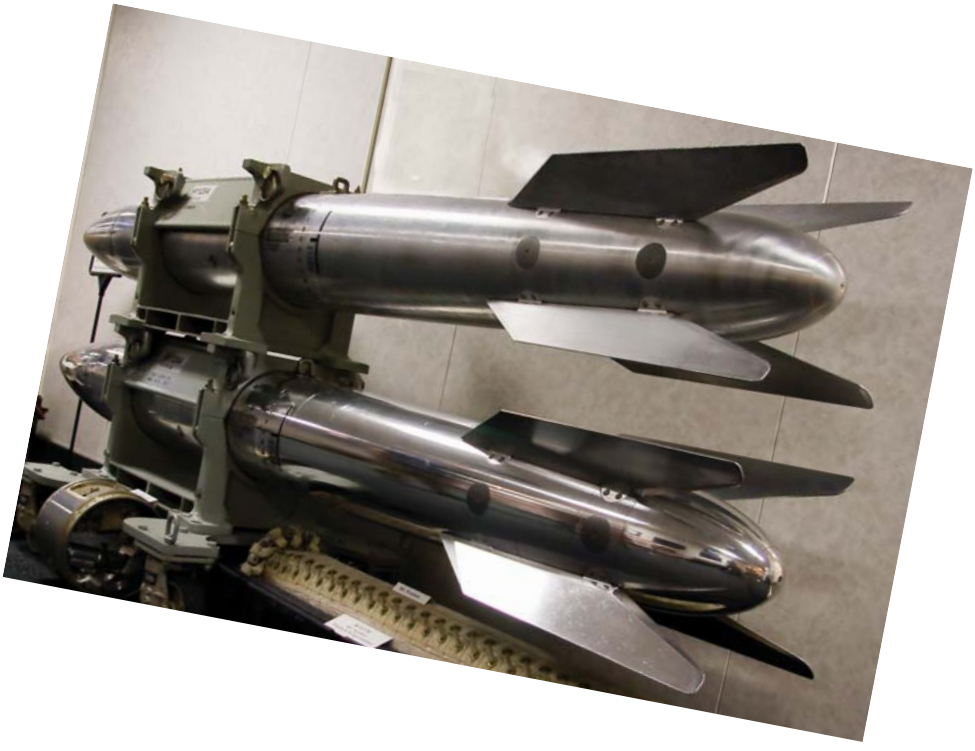
I General Information





Defense Nuclear Weapons School (DNWS) Overview

The Defense Nuclear Weapons School (DNWS), in existence since 1947, is located on Kirtland Air Force Base, Albuquerque, N.M. This Defense Threat Reduction Agency (DTRA) school is a unique entity that provides training in nuclear weapons, nuclear and radiological incident command, control, and response, as well as chemical, biological, radiological, nuclear, and high-yield explosives (CBRNE) modeling for the Department of Defense (DoD), and other federal, state, and local agencies.

Mission: Provide nuclear weapons core competencies and weapons of mass destruction (WMD)/CBRNE response training to DoD, other federal, state and local agencies, and national laboratories personnel.

Training Objectives: To create, develop, and implement professional training through both traditional and innovative training technologies, helping to ensure that our nation maintains a safe, reliable, and credible nuclear deterrent and a robust incident response capability.

Courses: The DNWS teaches courses in-residence, via Mobile Training Teams (MTT), and distance learning. The DNWS offers 39 courses, as well as 15 outreach modules. While most are taught in residence at the DNWS, an expanding array of courses are offered via distance learning or MTT. The DNWS hosts courses presented by the U.S. Army Nuclear and Chemical Agency, providing facilities and instructors. The DNWS also provides experts to teach modules for courses taught by other federal entities, such as the Department of State and the Federal Bureau of Investigation.

History: The Manhattan Engineer District that developed the world's first atomic bomb established the Nuclear Weapons Technical Training Group under the Armed Forces Special Weapons Project in January 1947 "to provide training, both resident and nonresident, in support of nuclear weapon training programs worldwide; to be responsive to requests for training services and support required to meet the needs of all DoD components and other cognizant agencies." The Nuclear Weapons Technical Training Group later became the Special Weapons School located on the U.S. Army's Sandia Base, today part of Kirtland Air Force Base.

In 1971, the Defense Nuclear Agency (DNA) was directed to transfer the Special Weapons School to the U.S. Air Force, which renamed it the Interservice Nuclear Weapons School. In 1993, the school was transferred back to DNA and renamed the DNWS in 1997. DNA is a DTRA legacy organization.

Throughout its history, DNWS has supported the Office of the Secretary of Defense, the Joint Chiefs of Staff, the military Services, and the Combatant Commands by providing training advice and services in the field of nuclear weapons.

Non-Attribution Policy

The Defense Nuclear Weapons School offers its assurances that presentations and discussions will be held in strict confidence. Without the expressed permission of the speaker, nothing will be attributed directly or indirectly in the presence of anyone who was not authorized to hear or view the presentation. Unclassified information gained during lectures, briefings, presentations, and discussions may be used freely. However, neither the speaker nor any element of the Defense Nuclear Weapons School may be identified as the originator of the information without consent.

Scott T. Horton
Colonel, U.S. Army
Commandant

Mr. Stephen D. Harper
Colonel (Ret), U.S. Air Force
Deputy Commandant

Defense Nuclear Weapons School Field Training Sites

The Defense Nuclear Weapons School (DNWS), part of the Defense Threat Reduction Agency (DTRA), is located on Kirtland Air Force Base, Albuquerque, N.M. This DTRA school manages several radiological field-training sites at the base.

Description: The DNWS operates the Department of Defense's (DoD) only radiological training sites. These are thorium-seeded fields that DNWS courses use as an integral part of field training for radiological emergency team members. A variety of radiological accident exercises are conducted at these training sites, providing a realistic environment for students to apply their classroom knowledge. Students receive hands-on instruction and experience in the use of radioactivity monitoring instruments; collection of airborne radioactivity samples; proper donning of personal protective equipment; procedures for cleaning; inspecting and proper wear of respirator protection; and setup and operation of a contamination control station. Students have to decide what steps and equipment are needed for this intricate scenario, integrating different modules of classroom instruction.

The DNWS partnered with the DTRA Technical Evaluation Assessment Monitor Site (TEAMS) Test Facility in developing a 3-acre radiological exercise park. This park has two major components: a shipping container farm with integrated capability to seed radioactive sources in the soil and a temporary office building. Additional structures located within the site can be added as necessary to facilitate expanded exercise needs. This asset provides a flexible three-dimension environment for search and characterization exercises.

Nuclear Weapons Instructional Museum

The Defense Nuclear Weapons School (DNWS), part of the Defense Threat Reduction Agency (DTRA), is located on Kirtland Air Force Base, Albuquerque, N.M. This DTRA school manages and operates the only classified Nuclear Weapons Instructional Museum (NWIM) in the Department of Defense (DoD). The NWIM is a member of the American Association of Museums.

The NWIM is an irreplaceable repository that traces the history and development of the U.S. nuclear weapons stockpile from its inception to the present. The NWIM contains displays of all stockpiled U.S. nuclear weapons and their associated components and delivery systems, as well as related training aids.

In addition to preserving artifacts of unique historic significance, the DNWS NWIM serves as an important teaching aid. Tours are provided in conjunction with some courses conducted at the DNWS and vary in length from two to four hours, depending on the nature of the audience. Touring the NWIM display affords students and visitors a rare opportunity to view exhibits and to discuss stockpile issues with experienced instructors.

The NWIM has two major components:

(1) An unclassified area where visitors may view a number of different weapon casings, a display of 1/10th scale foreign missile delivery systems, and a display of nuclear weapons accidents.

(2) A classified area displaying detailed nuclear weapon models. Arrangements can be made for groups and visitors to tour the NWIM on Tuesdays, Wednesdays and Thursdays only – Mondays and Fridays the museum is closed to tours for maintenance and upkeep operations. Tours are available for anyone who meets security clearance requirements, has a need-to-know, and submits the required paperwork in accordance with school policy. A DoD Secret security clearance with Restricted Data or Critical Nuclear Weapons Design Information access, or a Department of Energy "Q" clearance with Sigmas 1-5 is required to participate in an NWIM tour. To solicit a special tour of the NWIM, a written request must be submitted to and received a minimum of 15 working days before the scheduled tour date. See page 93 for the form to submit to the DNWS. Completed forms may be mailed or faxed to:

DTRA/DNWS
Registrar Office
Attn: NWIM Tours
1680 Texas St. SE
Kirtland AFB, NM 87117-5669
FAX: 505-846-9168 or DSN 246-9168

Defense Threat Reduction Information Analysis Center (DTRIAC)

The DTRIAC is sponsored by DTRA and is one of the Department of Defense Information Analysis Centers (IAC). DTRIAC provides support to DTRA and other Department of Defense (DoD) and government agencies in all threat reduction areas. Our mission is to improve the productivity of researchers, engineers, and program managers in the Defense research, development, and acquisition communities by collecting, analyzing, synthesizing, and disseminating worldwide scientific and technical information in clearly defined, specialized fields, or subject areas being generated by DTRA and others whose mission areas are complementary to those of DTRA. IACs are formal organizations chartered by the Department of Defense to help locate, analyze, and use scientific and technical information. They establish and maintain comprehensive knowledge bases, which include historical, technical, scientific, and other information collected throughout the world and pertinent to their respective technical communities. IACs also collect, maintain, and develop analytical tools and techniques, including databases, models, and simulations. DTRIAC is staffed by subject matter experts, scientists, engineers, and information specialists who provide users with focused expert assistance and unbiased scientific and technical information.and develop analytical tools and techniques, including databases, models, and simulations. DTRIAC is staffed by subject matter experts, scientists, engineers, and information specialists who provide users with focused expert assistance and unbiased scientific and technical information.

The DTRIAC is the Threat Reduction Community's portal for Scientific and Technical Information (STI) in the following areas:

- Nuclear Weapons Effects
- Conventional Weapons Effects
- Arms Control Technology
- Consequence Assessment Technology
- Anti-Terrorism/Force Protection Training
- Radiation Hardened Microelectronics
- Advanced Concept Technology Demonstrations
- Counter-Proliferation
- Biological Defense Initiative
- Support to Combatant Commands
- Hazard Prediction Assessment Capability
- Cooperative Threat Reduction
- On Site Inspections

You may find more information about the DTRIAC's products, services and the online Scientific and Technical Information Archival and Retrieval System (STARS) in Section III on pages 79 through 82.

Individual Training Certification Programs Offered By the Defense Nuclear Weapons School

Certification Program Overview

The Defense Nuclear Weapons School initiated a variety of individual training certification programs to prepare personnel to perform specific functions associated with Nuclear Weapons, Incident Response, Incident Command and Control, and CBRN Modeling.
These programs are intended to raise professional standards and to recognize and document the achievement of those standards. In most cases, the training certifications provided by the Defense Nuclear Weapons School are indefinite, with no expiration date. Certification within these programs attests to individuals' current and future organizations that they have demonstrated competency in a specific subject area related to a corresponding instructional department within the Defense Nuclear Weapons School. Training certifications pertaining to specific organizations (such as Consequence Management Advisory Teams, etc.) are developed and managed in close coordination with the proponent organization and in accordance with their requirements.

Personnel who have completed the criteria for a certification program may apply for certification through the Defense Nuclear Weapons School Registrar's Office. The entire sequence must be completed within three years of initial registration into the first course of the sequence. Upon proper completion of an application for certification, the individual will receive a Defense Nuclear Weapons School Certification of Training in the applicable certification program.

The Defense Nuclear Weapons School does not establish training or certification requirements for any organization external to the School. However, an increasing number of organizations accept Defense Nuclear Weapons School certifications as evidence of professional competence and document completion of these certification programs in individual training records.

Incident Response Certification Programs

Applied Radiological Response Techniques (ARRT) Certificate

The ARRT certification sequence is designed to develop practical skills required for personnel to conduct an initial evaluation of a radiological environment. While appropriate for any personnel requiring skills to respond to a radiological hazard, the ARRT certification sequence supports and integrates into the overall WMD-CST certification established by the National Guard Bureau (NGB). It is not intended to replace any WMD-CST training otherwise established by the NGB. The NGB has recognized the ARRT certification sequence as a requirement for WMD-CSTs. The following are the certification requirements for ARRT:

- Introduction to WMD in the 21st Century (WMD-21) (distance learning)
- Applied Radiological Response Techniques Level 1 (ARRT 1) (distance learning)
- Applied Radiological Response Techniques Level 2 (ARRT 2)

Nuclear Emergency Team Operations (NETOP) Certificate

- Introduction to WMD in the 21st Century (WMD-21) (distance learning)
- Nuclear Emergency Team Operations Primer (NETOPS PRIMER) (distance learning) or Nuclear Emergency Team Orientation (NETOR) (MTT) (by request)
- Nuclear Emergency Team Operations (NETOP)

Advanced Incident Response Certificate

- Applied Radiological Response Techniques (ARRT) Certificate
- Nuclear Emergency Team Operations (NETOP) Certificate

The Defense Nuclear Weapons School does not establish training or certification requirements for any organization external to the School. However, an increasing number of organizations accepts Defense Nuclear Weapons School certifications as evidence of professional competence and document completion of these certification programs in individual training records. This certification program is designed to establish educational and training criteria relevant to personnel who perform professional roles related to CBRN Modeling.

DNWS Certification Programs

Nuclear Weapons Certification Programs

The Nuclear Weapons Certification Programs are designed for personnel with responsibilities dealing with nuclear weapons, nuclear weapons policy, nuclear weapons operations, and nuclear weapons surety. These certifications would be particularly valuable for combatant command staff members, joint staff members, and personnel working within the nuclear weapons enterprise such as: nuclear weapons intelligence, nuclear weapons maintenance, nuclear weapons operations, and nuclear weapons security.

Basic Nuclear Weapons Certificate

- Introduction to WMD in the 21st Century (WMD-21) (distance learning)
- Nuclear Weapons Orientation Course (NWOC) (in-residence or MTT)

Intermediate Nuclear Weapons Certificate

- Basic Nuclear Weapons Certificate

-plus-

- Nuclear Policy Course (NucPol)

Advanced Nuclear Weapons Certificate--Operations

- Intermediate Nuclear Weapons Certificate

-plus-

- Theater Nuclear Operations Course (TNOC) (in-residence or MTT)

Advanced Nuclear Weapons Certificate--Surety

- Intermediate Nuclear Weapons Certificate

-plus-

- Joint DoD-DOE Nuclear Surety Executive Course (JNSEC)

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USAF Security Forces Nuclear Security Certification Training Program

The USAF Security Forces (SF) Nuclear Security Certification Training Program (NSCTP) is designed for USAF Security Forces personnel with responsibilities dealing with security of nuclear weapons. Level I certification is for SF nuclear security flight leadership such as: flight chiefs, flight commanders, convoy commanders, flight security officers, and similar personnel. Level II certification is for SF nuclear security group/squadron leadership such as: group commanders, squadron commanders, Security Forces Operations officers, Security Forces managers, SF operations superintendants, and similar personnel. Level III certification is for SF nuclear security policy personnel such as: Air Staff, Headquarters Air Force Security Forces Center, MAJCOM, and Numbered Air Force nuclear security staff members and similar nuclear security policy personnel.

To become NSCTP certified, you must complete the following collective courses appropriate to your duty position or assigned position:

Level I, USAF SF Flight Nuclear Certification

- DoD Nuclear Weapons Security Training (NWST) (distance learning)

Level II, USAF SF Group/Squadron Nuclear Certification

- DoD Nuclear Weapons Security Training (NWST) (distance learning)
- Nuclear Surety Inspections Course (NSIC)

Level III, USAF SF Nuclear Policy Certification

- DoD Nuclear Weapons Security Training (NWST) (distance learning)
- Nuclear Surety Inspections Course (NSIC)
- Joint DoD-DOE Nuclear Surety Executive Course (JNSEC)

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Incident Command & Control Certificate Program

The Incident Command and Control Certificate is designed for personnel with command and control responsibilities in the event of an incident involving weapons of mass destruction (WMD). This certificate would be particularly valuable for combatant command staff members, joint task force staff members, or personnel working in similar capacities.

Incident Command and Control Certificate

- Introduction to WMD in the 21st Century (WMD-21) or WMD Command, Control, & Coordination (In Residence) or (distance learning)
- WMD Command, Control, & Coordination (WMDC3) in residence or WMD Incident Response Workshop (WMDIRW) MTT
- Nuclear Radiological Incident Management (NRIM)

The Defense Nuclear Weapons School does not establish training or certification requirements for any organization external to the School. However, an increasing number of organizations accepts Defense Nuclear Weapons School certifications as evidence of professional competence and document completion of these certification programs in individual training records. This certification program is designed to establish educational and training criteria relevant to personnel who perform professional roles related to CBRN Modeling.

DNWS Certification Programs

CBRN Modeling Certification Programs

The CBRN modeling certification sequences are designed to recognize and document the completion of a comprehensive training program focused on specific hazard prediction modeling tools. This program is designed to support a wide audience that includes, but is not limited to Weapons of Mass Destruction Civil Support Teams (WMD-CSTs); Consequence Management Advisory Teams (CMAT); Combatant Commands; and DoD, federal, state, and local emergency managers and planners. The following are the certification requirements for CBRN Modeling.

Hazard Prediction and Assessment Capability (HPAC) Certificate

- Introduction to WMD in the 21st Century (WMD-21) (distance learning)
- HPAC Level 1
- HPAC Level 2

Consequence Assessment Tool Set (CATS) Certificate

- Introduction to WMD in the 21st Century (WMD-21) (distance learning)
- Geospatial Intelligence for Consequence Assessment (GICA)
- CATS 1
- CATS 2 or ICM

Advanced CBRN Modeling Certificate

- Hazard Prediction and Assessment Capability (HPAC) Certificate
- Hazard Prediction and Assessment Capability 3 (HPAC-3)
- Consequence Assessment Tool Set (CATS) Certificate

The Defense Nuclear Weapons School does not establish training or certification requirements for any organization external to the School. However, an increasing number of organizations accepts Defense Nuclear Weapons School certifications as evidence of professional competence and document completion of these certification programs in individual training records. This certification program is designed to establish educational and training criteria relevant to personnel who perform professional roles related to CBRN Modeling.

DNWS Certification Programs

DTRA CBRNE Consequence Management (CM) Specialist Certification Programs

Basic and Advanced CM Advisory Team (CMAT) Certifications fulfill DTRA's requirement to field deployable CMATs. Senior and Master CBRNE CM Specialist Certifications are designed to meet COCOM and other DoD organizations' requirements for increased CM expertise on DoD staffs and are open to all personnel both inside and outside of DTRA. For all credentialing requirements and application submission information for all CBRNE CM Specialist Certifications, see the CSM website at dtra.mil.

Basic CMAT Specialist Certificate

- HPAC-1
- GICA/CATS-1
- On-Line DSCA-1*
- FEMA Independent Study Courses : ICS-100 Incident Command, IS-700 NIMS, IS-800 NRP
- CSM Knowledge Exercises
- NWOC or NRIM or WMDC3 or Professional or Educational Background Equivalent
- Participation in an CMAT Exercise/deployment
- Participation in a CMAT mission/instruction

Advanced CMAT Specialist Certificate

- CMAT Course
- DSCA-2*
- Any DOD Recognized Planning Course or Any
- DOD Recognized Instructor's Course/ASI (or professional/educational background equivalent or 6 months previous job experience)
- Participation in four exercises or CMAT deployments or missions

* DoD Emergency Planning Course can be accepted in lieu of the DSCA I & II requirement for CMAT qualification with the exception of the FEMA Independent Study Courses (ICS, NIMS, NRP).

* DSCA (Defense Support of Civil Authorities) 1 and 2 training can be obtained online at www.dsca.army.mil. If not already, one will need to be registered at http://jko.jfcom.mil.

Senior CM Specialist Certificate

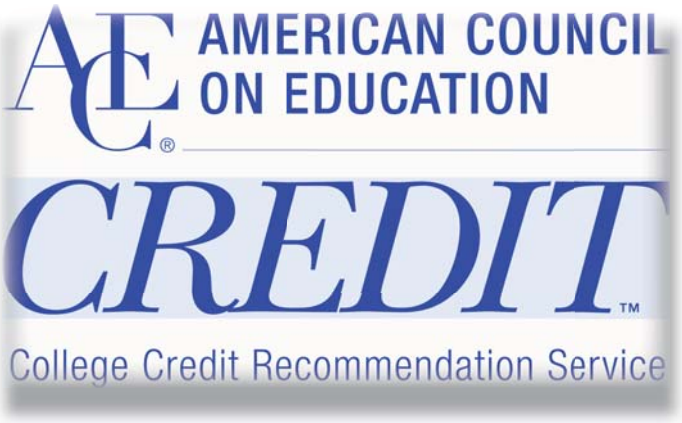
- One of the Following:
  - o Complete two courses that maintain professional certification requirements related to a CM SME area.
  - o Complete two courses within the last 36 months that complement a CM SME area.
- Experience:
  - o Conduct NBC\CM operations on 4 missions, exercises, or deployments.
  - o 3 years of experience in the field of emergency management, hazardous materials management or safety including responsibility for developing, implementing, directing and/or evaluating one or more related program activities.
- Education: Attainment of a degree (AS or BS) in a field related to CM. NOTE: Board will consider 3 years experience equivalent to 1 year post secondary civil education.
- Professional Development: Published an article addressing CM related areas or given a presentation related to CM at recognized conferences, seminars, or courses concerning DOD response to domestic crisis or Foreign Consequence Management.

Master CM Specialist Certificate

- Conduct NBC\CM operations on 10 missions, exercises, or deployments.
- 5 years of experience in the field of emergency management, hazardous materials management or safety including responsibility for developing, implementing, directing and/or evaluating one or more related program activities.
- Have obtained minimum of 4 CE Credits or take a minimum of 4 courses related to development as a CM SME or Professional Development.
- Published two articles addressing CM related areas or given two presentations related to CM at recognized conferences, seminars, or courses concerning DOD response to domestic crisis or Foreign Consequence Management.
- One of the Following
  - o Permanent Certification: Obtain Recognized CEM certification or Hazardous Material related certification.
  - o Advanced Educational Degree related to CM

NOTE: Previous training and experience from Military or other sources may be evaluated for relevancy to a CM Specialist level and for its currency. If the DTRA Training Coordinator determines that the previous training is acceptable as an equivalent to the training specified for the CMAT Level the Training Coordinator can recommend to the CSMO Branch Chief the acceptance of the training or experience for CMAT Specialist certification.

DNWS and ACE College Credit



The American Council on Education's College Credit Recommendation Service (ACE CREDIT) has evaluated and recommended college credit for 9 DNWS courses. The American Council on Education, the major coordinating body for all of the nation's higher education institutions, seeks to provide leadership and a unifying voice on key higher education issues and to influence public policy through advocacy, research, and program initiatives.

ACE CREDIT connects workplace learning with colleges and universities by helping adults gain access to academic credit at colleges and universities for formal courses and examinations taken in the workplace or other settings outside traditional higher education.

For more than 30 years, colleges and universities have trusted ACE CREDIT to provide reliable course equivalency information to facilitate their decisions to award academic credit. For more information, visit the ACE CREDIT website at http://www.acenet.edu/acecredit

For the benefit of our students, DNWS participates in the American Council on Education's (ACE) Transcript Service. The ACE Transcript Service offers a lifelong record for students who have successfully completed our courses that have been reviewed by ACE CREDIT. This service enables adult learners to present a nationally recognized transcript to the college or university of their choice for the potential award of academic credit. For more information, visit the ACE CREDIT Transcript Service website at http://www.acenet.edu/acecredit

The 9 DNWS courses that are recommended for college credit are designated by the ACE logo on the respective course page. Additionally, the level of undergraduate credit and the number or recommended credit hours are listed.

College and University Partnerships

The DNWS is partnered with the Universities mentioned below

STRAYER UNIVERSITY

The DNWS partnered with Strayer University and its 71 campuses throughout the Eastern U.S. and Utah. Conversion credit will be given for select DNWS courses. (DNWS courses will directly replace classes taught at Strayer)

Several Colleges and Universities in the DC metro area and the Colorado Springs metro area are currently evaluating memoranda of agreement to partner with the DNWS.

For more information contact the Training Development Department at: (505) 846-0660 or (505) 853-4258.

Joint Professional Military Education Credit

The Joint Staff, Operational Plans and Joint Force Development, J7, Joint Doctrine, Education, & Training Electronic Information System (JDEIS), Joint Education Branch recognizes certain courses offered by the Defense Threat Reduction University and the Defense Nuclear Weapons School and offers Joint Professional Military Education (JPME) credit.

Students must submit course certificates through the proper administrative channels of their respective branches of service to obtain JPME credit.

Courses that are recognized by JSJ7/JDEIS have the Joint Staff logo on the course description pages.

2012 DNWS Scheduled Classes

Kirtland AFB, Albuquerque, NM

Nuclear Weapons—In Residence DNWS												
	Oct 11	Nov 11	Dec 11	Jan 12	Feb 12	Mar 12	Apr 12	May 12	Jun 12	Jul 12	Aug 12	Sep 12
JNSEC						21-22						19*,20*
NCP-52										9-	-03@	
NucPol		14-18					23-27			30-	-03	
NWOC	17-21		05-09		06-10	05-09	02-06		11-15		20-24	
TNOC					13-17						06-10	

* = Iterations held at DTRA HQ, National Capitol Region, Ft. Belvoir, VA.
@ = This class is reserved for NCP-52 participants. Admission is controlled by the USA FA-52 Community Manager

Nuclear Response—In Residence DNWS												
	Oct 11	Nov 11	Dec 11	Jan 12	Feb 12	Mar 12	Apr 12	May 12	Jun 12	Jul 12	Aug 12	Sep 12
ARRT 2	31-	-04				05-09	30-	-04	18-22	09-13	06-10	
ARRT 3 @			05-09									
IRNIR		19-20	17-18	21-22		17-18		19-20	09-10	14-15		22-23
JEIRRC							09-13	07-11		30-	-03	
JNEODC				30-	-03	19-23		14-18		23-27		
NETOPS	17-28		05-16		21*-	-02	16-27		04-15		13-24	10-21
NRIM	25-28			17-20			10-13					18-21
WMDC3		29-	-01		28-	-01		15-17			14-16	

* = Class will start Tues after holiday weekend.
@ = This course is scheduled on a case-by-case basis. Must contact the Course Manager (pg. 17) to coordinate.

CBRN Modeling—In Residence DNWS												
	Oct 11	Nov 11	Dec 11	Jan 12	Feb 12	Mar 12	Apr 12	May 12	Jun 12	Jul 12	Aug 12	Sep 12
GICA	24-25		05-06		13-14			14-15	11-12		27-28	
CATS 1	26-28		07-09		15-17			16-18	13-15		29-31	
IMC							16-19					24-27
HPAC 1	17-21	28-	-02		06-10			07-11	04-08		20-24	
HPAC 2							09-13					17-21
HPAC 3						19-23						
VAPO										23-27		

DNWS Mobile Training Teams												
	Oct 11	Nov 11	Dec 11	Jan 12	Feb 12	Mar 12	Apr 12	May 12	Jun 12	Jul 12	Aug 12	Sep 12
NWFS	31-	-04		23-27				14-18	25-29			
CASNAR		07-11		02-06	06-10	12-16		21-25	18-22	16-20	20-24	
TNOSC								21-25				

Defense Nuclear Weapon School (DNWS)

Kirtland AFB, Albuquerque, NM

Other DTRA Courses—Hosted at DNWS												
	Oct 11	Nov 11	Dec 11	Jan 12	Feb 12	Mar 12	Apr 12	May 12	Jun 12	Jul 12	Aug 12	Sep 12
DIAMONDS							02-06					
NSIC		07-10		24-27			03-06				27-30	

@ = This class is reserved for designated participants. Entry must be approved through Course Manager.

Cubic IT Facility, Alexandria, VA

CBRN Modeling — In-Residence CITF, Virginia												
	Oct 11	Nov 11	Dec 11	Jan 12	Feb 12	Mar 12	Apr 12	May 12	Jun 12	Jul 12	Aug 12	Sep 12
GICA		14-15		30-31		12-13	23-24			16-17		17-18
CATS 1		16-18			01-03	14-16	25-27			18-20		19-21
IMC			13-16						12-15			
HPAC 1	31-	-04				05-09	09-13			09-13		10-14
HPAC 2	17-21			23-27							06-10	
HPAC 3			05-09						04-08			
IMEA 1	03-06						03-06					
IMEA 2					06-10						13-17	
VAPO	24-28				27-	-02		07-11			20-24	
IWMDT		15-18										
ASSIST							17-20					

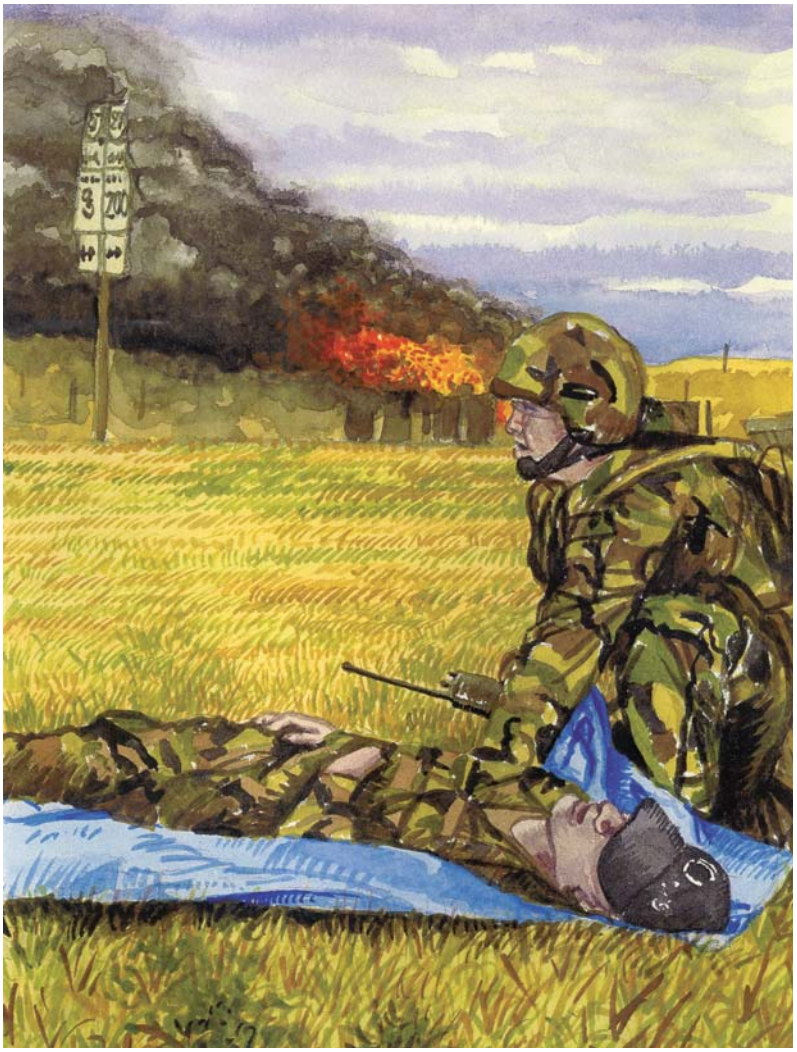
* = Class reserved for designated participants. Entry approved through Course Manager.

SAIC Facility, McLean, VA

Other DTRA Courses — In-Residence, SAIC, McLean, VA												
	Oct 11	Nov 11	Dec 11	Jan 12	Feb 12	Mar 12	Apr 12	May 12	Jun 12	Jul 12	Aug 12	Sep 12
JCPC												

Organizational Quota Managers for DNWS Courses

Agency	Quota Manager	Commercial Telephone	DSN Telephone	Email Address
Air Force	2 AF/TTOC-P/J		591-7006	2AF.TTOCP/J@us.af.mil
Army	Ralph Steiway		225-5914	Ralph.Steinway@hqda.army.mil
Army Civilians	Dorothy Miller		680-3001	Millerd.Monroe@army.mil
Army Enlisted	Cynthia Smith Rick Breedlove		221-4597 221-4593	Cynthia.Smith@us.army.mil Rick.Breedlove@us.army.mil
Army National Guard	Dorothy Knight		327-9866	Dorothy.Knight@ngb.army.mil
Army Officers	Jennifer West		221-3159	Westj.Hoffman@army.mil
Army Reserve	E. Leon Legrant	(910) 570-9139	670-9139	Elsworth.Legrant@usar.army.mil
Marines	CW03 Scott Malott	(505) 853-0190	263-0190	Scott.Malott@dtra.mil
Navy	Steve Langlais	(850) 452-4919		Steve.Langlais@navy.mil
DIA	Regina Rogue	(202) 231-3108		Regina.Roque@dia.mil
DOE	Estela Rogholt Sergio Cianci	(505) 245-2129 (505) 245-2114		Estela.Rogholt@hq.doe.gov Sergio.Cianci@hq.doe.gov
NGA	Matthew Doughty	(314) 263-4094		Matthew.A.Doughty@ng.a.mil
NSA	Nancy Gemmill Joe Liberto	(410) 854-6267		nmgemmi@nsa.gov Jsliber@nsa.gov
HQ DTRA	Steven Nichols Christine Kost-Judkins	(703) 767-5749 (703) 767-5811		Steven.nichols@dtra.mil Christine.kost.judkins@dtra.mil



II Training Courses

Distance Learning

Strategic Leadership Nuclear Incident Response (SLNIR) (NW050DL)

Distance Leaning
Accessed from a .mil or .gov url only.

https://dnws.abq.dtra.mil/DEMO/SLNIR/SLNIR.html
Follow the directions to log in if you previously have been granted access.If not, follow the directions for "request access" to receive log in name and password.

Course Length: 15 Minutes

Synopsis

Strategic Leadership Nuclear Incident Response (SLNIR) is a four-hour course providing an overview of the nuclear weapons incident response process. The SLNIR brief is an interactive module which provides explanations of the main response notification process; origins, composition, duties and responsibilities of response forces; response phases and timelines, significant failure points, and a comparison of CONUS versus OCONUS response. This on-line curriculum outlines national and DoD response doctrine, lists recommended training for senior leaders and their staff, and discusses available resources. The course is appropriate for command personnel subject to tasking by the National Military Command Center (NMCC) to serve with an Initial Response Force (IRF) or Response Task Force (RTF) to a nuclear weapons accident. **(DL)**

Objectives

- Understand the immediate responsibilities of senior leaders
- Define hazards to the public and the obligations to communicate risk
- Select appropriate ICS structure for nuclear incident response
- scuss plans and policies relative to nuclear incident response

Format

Distance learning.

Who Should Take the Course

Flag officers and senior executives responsible for nuclear-incident oversight.

Prerequisites

None.

Registration

Accessed from a .mil or .gov URL only.

For the latest course information, log onto https://dnws.abq.dtra.mil.

DoD Nuclear Weapons Security (NWST) (NW100DL)

Distance Learning
Accessed from a .mil or .gov url only.

https://dnws.abq.dtra.mil
Follow the directions to log in if you previously have been granted access.
If not, follow the directions for "request access" to receive log in name and password.

Course Length:
40 Hours

Synopsis

The Nuclear Weapons Security Training Course (NWST) is designed to introduce the baseline, Department of Defense (DoD), nuclear security concepts and strategy framework to security professionals assigned to protect the nation's nuclear force. It addresses the nuclear security concepts common to all DoD nuclear weapons and further explains these concepts relative to the varied environments where nuclear weapons are stored, maintained and operated within DoD. **(DL)**

Objectives

The overall course is organized into four modules:

- Module One: covers basic security standards and requirements applicable to all nuclear weapons regardless of their operational, maintenance, storage or transportation environment.
- Module Two: outlines the DoD nuclear weapon security policy and planning framework
- Module Three: builds upon the first two modules and explains the basic requirements as they are applied at individual nuclear weapon environments.
- Module Four: explores nuclear weapon security supporting programs and concepts.

Format

Distance learning.

Who Should Take This Course

Security professionals assigned to protect the nation's nuclear force.

Prerequisites

None.

Security Requirements

None.

Registration

Accessed from a .mil or .gov url only. https://dnws.abq.dtra.mil.

For the latest course information, log onto https://dnws.abq.dtra.mil.

DoD Personnel Reliability Program (PRP) (NW101DL)

Distance Learning
Accessed from a .mil or .gov url only.

https://dnws.abq.dtra.mil
Follow the directions to log in if you previously have been granted access.
If not, follow the directions for "request access" to receive log in name and password.

Course Length:
12 Hours

Synopsis

This course is designed to introduce baseline DoD PRP fundamentals and concepts to personnel assigned duty involving nuclear weapons or nuclear command and control systems. It addresses PRP concepts, roles, responsibilities and processes in support of nuclear surety and further explains these concepts in relationship to real-world scenarios. **(DL)**

Objectives

The course is organized into three modules.

- Module 1 covers basic DoD PRP authorities and guidance, the roles and responsibilities of key figures in the program and a basic framework on the "what" of the PRP.
- Module 2 is an explanation of the role of the medical community in the PRP, including medical evaluations, legal aspects, potentially disqualifying information and competent medical authority functions.
- Module 3 is a practical guide to administering the PRP at unit level, walking through the program and its processes in greater detail than found in module 1. This is the module where you will understand "how" the PRP works.

Format

Distance Learning.

Who Should Take This Course

PRP monitors, Certifying Officials, Competent Medical Authorities and Reviewing Officials.

Prerequisites

None.

Security Requirements

None.

Registration

Accessed from a .mil or .gov URL only: https://dnws.abq.dtra.mil.

For the latest course information, log onto https://dnws.abq.dtra.mil.

Joint Nuclear Weapons Publication System (JNWPS) (NW102DL)

Distance Learning
Accessed from a .mil or .gov url only.

https://dnws.abq.dtra.mil
Follow the directions to log in if you previously have been granted access.
If not, follow the directions for "request access" to receive log in name and password.

Course Length:
4 Hours

Synopsis

This course is designed to introduce basic concepts and principles related to the Joint Nuclear Weapons Publication System (JNWPS) to professionals supporting the nuclear weapons enterprise. The goal is to explain these concepts to a level that enables clear understanding of what the JNWPS is and why it exists. **(DL)**

Objectives

The course is divided into three modules:

- Module One explains what the JNWPS is and traces the origin of JNWPS requirements.
- Module Two explains processes and controls involved in JNWPS administration and management.
- Module Three builds upon the first two modules and discusses how to use and access JNWPS Technical Publications. It also explains how to utilize the JNWPS Numerical Index.

Format

Distance Learning.

Who Should Take This Course

The information in this course can be useful to all levels of supervision, but is developed primarily for first-line supervisors supporting the nuclear weapons enterprise.

Prerequisites

None.

Security Requirements

None.

Registration

Accessed from a .mil or .gov URL only: https://dnws.abq.dtra.mil.

For the latest course information, log onto https://dnws.abq.dtra.mil.

NUCLEAR SAFETY STUDIES AND REVIEW (NSSR) (NW103DL)

Distance Learning
Accessed from a .mil or .gov url only.

https://dnws.abq.dtra.mil
Follow the directions to log in if you previously have been granted access.
If not, follow the directions for "request access" to receive log in name and password.

Course Length:
4 Hours

Synopsis

This course is designed to introduce basic concepts and principles related to nuclear safety studies and reviews to professionals supporting the nuclear weapons enterprise. The goal is to explain these concepts to a level that enables clear understanding of what nuclear safety studies and reviews are and why they are conducted. **(DL)**

Objectives

The course is organized into four modules:

- Module One explains what nuclear safety studies and reviews are and traces the origin of nuclear studies and reviews requirements.
- Module Two traces the origins of the joint DoD-DOE nuclear weapon life-cycle and examines the seven phases that comprise it.
- Module Three concentrates on the nuclear safety studies and reviews process. It examines the composition and responsibilities of the Nuclear Weapons System Safety
- Group, defines the different types of studies and reviews conducted by the group, and concludes with an examination of studies and reviews procedures.
- Module Four explains the various Nuclear Weapon System Safety Assessments and why they are conducted.

Format

Distance Learning.

Who Should Take This Course

The information in this course can be useful to all levels of supervision, but is developed primarily for newly assigned action officers supporting a Nuclear Weapons System Safety Group position.

Prerequisites

None.

Security Requirements

None.

Registration

Accessed from a .mil or .gov URL only: https://dnws.abq.dtra.mil.
For the latest course information, log onto https://dnws.abq.dtra.mil.

NUCLEAR WEAPONS SURETY (NWS) (NW104DL)

Distance Learning
Accessed from a .mil or .gov url only.

https://dnws.abq.dtra.mil
Follow the directions to log in if you previously have been granted access.
If not, follow the directions for "request access" to receive log in name and password.

Course Length:

8 Hours

Synopsis

This course is designed to introduce basic concepts and principles related to nuclear surety to professionals supporting the nuclear weapons enterprise. The goal is to explain these concepts to a level that enables clear understanding of what nuclear surety is and how nuclear surety is achieved. **(DL)**

Objectives

The course is divided into eight modules:

- Module One explains the concept of nuclear surety and traces the origin of nuclear surety requirements.
- Module Two examines the various elements involved in the nuclear weapon system safety certification process. These include personnel, organizational, procedural, equipment, and system certification.
- Module Three focuses on the intent and management of the DoD Personnel Reliability Program (PRP).
- Module Four examines the various processes involved in nuclear weapons accountability.
- Module Five examines the requirements and agencies involved in the Nuclear Weapons Technical Inspection process.
- Module Six examines Nuclear Weapon Security concepts and capabilities.
- Module Seven examines Nuclear Weapon Control Measures. It is comprised of two units. Unit 1 focuses on Use Control, the set of positive measures designed to prevent or delay the unauthorized use of nuclear weapons. Unit 2 explores Nuclear Command and Control, the various procedures and capabilities which provide the means for Presidential authority to employ a nuclear weapon.
- Module Eight focuses on the Non-Nuclear Assurance Program.

Format

Distance Learning.

Who Should Take This Course

The information in this course can be useful to all levels of supervision, but is developed primarily for front-line supervisors supporting the nuclear weapons enterprise.

Prerequisites

None.

Security Requirements

None.

Registration

Accessed from a .mil or .gov URL only: https://dnws.abq.dtra.mil.

For the latest course information, log onto https://dnws.abq.dtra.mil.

Introduction to Combating Weapons of Mass Destruction in the 21st Century (WMD-21) (NR060DL)

Distance Leaning
Accessed from a .mil or .gov url only.

https://dnws.abq.dtra.mil

Follow the directions to log in if you previously have been granted access.

If not, follow the directions for "request access" to receive log in name and password.

Course Length:
12 Hours

Synopsis
Introduction to Weapons of Mass Destruction in the 21st Century (WMD-21) is a course that will provide an overview of WMD threats and vulnerabilities to the U.S. in terms of homeland defense and DoD antiterrorism/force protection. This course will introduce laws, plans, directives, policies, and guidance that affect DoD's role in CBRNE response. This course is currently under development; contact registrar for further information. **(DL)**

Objectives
- Provide an overview of WMD threats and vulnerabilities to the U.S. in terms of homeland defense and DoD antiterrorism/force protection
- Introduce laws, plans, directives, policies, and guidance that affect DoD's role in CBRNE disaster response
- Compare roles and responsibilities of key government agencies responsible for WMD incidents
- Examine DoD roles in WMD incident response, homeland defense and command structures, integration with federal response agencies, and deployable DoD assets
- Understand the procedures to obtain DoD assets for WMD consequence management response
- Understand the medical response considerations for a WMD incident
- Understand the WMD decontamination process and planning considerations
- Become familiar with the operational aspects of a WMD incident

Format
Distance learning.

Who Should Take the Course
Military or civilian personnel engaged in agency WMD requirements.

Prerequisites
None.

Registration
Accessed from a .mil or .gov URL only.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Nuclear Emergency Team Operations Primer (NETOPS Primer) (NR101DL)

Distance Learning
Accessed from a .mil or .gov url only.

https://dnws.abq.dtra.mil
Follow the directions to log in if you previously have been granted access.
If not, follow the directions for "request access" to receive log in name and password.

Course Length: 40 Hours

Joint Certified in accordance with CJCSM 3500.03B

Synopsis
Nuclear Emergency Team Operations Primer (NETOP-Primer) is a distance-learning course that includes modules on biological effects of radiation, response processes and capabilities, radiation detection equipment, contamination control stations, surveys, and command and control. **(DL)**

Objectives
- History of nuclear weapons accidents
- Basic nuclear physics
- Principles of nuclear weapons
- Terrorist use of radiological materials and their effects
- Characteristics of the types of radiation
- Radiation protection measures
- Radiological, biological, and effective half-lives
- Fission, fusion, and chain reactions
- Materials used in nuclear weapons
- The effects of nuclear weapons
- Personal Protective Equipment
- Commonly used Radiation Detection, Identification, and Computation (RADIAC) kits
- Types of respiratory protection equipment and protective clothing
- Types of monitoring devices used in personnel protection
- Site characterization and survey plotting
- CCS site selection factors and decontamination concepts
- Airborne Radiation Sampling
- The role of Explosive Ordnance Disposal (EOD) team
- US National Policy, DoD Directives, and the National Response Framework
- Response Phases of a nuclear weapons accident
- Initial Response Force (IRF) and Response Task Force (RTF) responsibilites CONUS/OCONUS
- National Defense/ Security Areas
- Homeland Security Presidential Directive 5 (HSPD-5)

Format
Distance Learning.

Who Should Take This Course
Military personnel and Federal employees occupying EOD, NBC defense specialties and career fields, or other emergency response force positions. Also a prerequisite for personnel expecting to attend NETOP in residence (NAIR101).

Registration
Accessed from a .mil or .gov URL only.

Security Requirements
None.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Applied Radiological Response Techniques Level 1 (ARRT-1) (NR120DL)

Distance Learning
Accessed from a .mil or .gov url only.

https://dnws.abq.dtra.mil
Follow the directions to log in if you previously have been granted access.
If not, follow the directions for "request access" to receive log in name and password.

Course Length:
10 Hours

Synopsis
Applied Radiological Response Techniques - 1 (ARRT-1) is a basic distance-learning course for response technicians wishing to obtain the basic knowledge behind technical radiological response actions and decisions. This course will provide basic concepts of radiological science, identify aspects of radiation instrumentation theory, identify concepts of radiation exposure and contamination control actions. Federal regulations and planning reports and radiation surveys will be presented. **(DL)**

Objectives
A basic course to:
- Survey the concepts of radiological science
- Identify aspects of radiation instrumentation theory to practical applications
- Identify basic concepts of radiation exposure and contamination control actions
- Select applicable federal regulations relating to radiation exposures
- Identify the elements of planning a radiation survey
- Identify the elements of presenting reports based on regulatory requirements

Format
Distance learning.

Who Should Take This Course
Response technicians wishing to obtain the basic knowledge behind technical radiological response actions and decisions. Personnel should complete ARRT-1 prior to enrolling in ARRT-2.

Prerequisites
None.

Security Requirements
None.

Registration
Accessed from a .mil or .gov url only. https://dnws.abq.dtra.mil.

Certification
Certificate in Applied Radiological Response Techniques is available after completion of ARRT-1 and ARRT-2.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Mitigating the Effects of High-Explosive Blasts on Structures and Personnel (MEBSP) (CM100DL)

Distance Learning
Accessed from a .mil or .gov url only.

https://dnws.abq.dtra.mil
Follow the directions to log in if you previously have been granted access.
If not, follow the directions for "request access" to receive log in name and password.

Course Length:
8 Hours

Synopsis

Mitigating the Effects of High-Explosive Blasts on Structures and Personnel (MEBSP) is a distance-learning course that is focused on understanding the destructiveness of explosions, and the effects of blasts on structures. This course will include modeling of structures under explosions, physiological effects of blasts, and methodologies for investigating effectiveness of defensive measures and counter-terrorism planning. **(DL)**

Objectives

- Understand the destructiveness of explosions
- Understand the effects of blasts on structures
- Be familiar with potential blast consequences based on factual events
- Know methods to reduce vulnerabilities
- Be capable of an effective post-blast response

Format

Distance Learning.

Prerequisites

None.

Registration

Accessed from a .mil or .gov url only.

For the latest course information, log onto https://dnws.abq.dtra.mil.

Nuclear Weapons

Nuclear Weapons Orientation Course (NWOC) (NW110)

Class Length
4.5 Days;
36 Hours

Scheduled Dates:

17-21 Oct 11
5-9 Dec 11
6-10 Feb 12
5-9 Mar 12
2-6 Apr 12
11-15 Jun 12
20-24 Aug 12

Lower Division Undergraduate

2 Credit Hours

Joint Certified in accordance with CJCSM 3500.03B

USAF Course ID: JBOZD21A1A00DA

USMC Course ID: F04EGP1

Synopsis
Nuclear Weapons Orientation Course (NWOC) is a 4.5-day course that provides an overview of the history and development of nuclear weapons, management of the U.S. nuclear stockpile, and the issues and challenges facing the program. The modules focus on four functional areas: nuclear weapon fundamentals, nuclear weapon effects, nuclear weapons stockpile, and nuclear weapons issues. Can be taught at customer's location as a Mobile Training Team course (NWFS, NW110M) .

Objectives
- Define the scope of the national nuclear weapons program
- Recall basic nuclear physics and materials
- List key elements of nuclear surety
- Recall development, testing, command and control, and weapons effects from stockpiled nuclear weapons
- Name international agreements concerning nuclear weapons
- Discuss current nuclear weapons issues

Format
Facilitated discussions and lectures supported by video presentations, and an NWIM tour at the Secret/Restricted Data level. The NWIM tour will not be conducted at the CNWDI level during NWOC.

Who Should Attend
Military (E-4 and above) and government civilians (GS-7 and above) who require knowledge of the national nuclear weapons program.

Course Classification
Secret/Restricted Data.

Security Requirements
DoD Secret clearance with RD, or DOE "Q" clearance with Sigmas 1-5.

Appropriate Dress
Military:
As directed by the individual's service.

Civilians: Business casual.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Nuclear Weapons Familiarization Seminar (NWFS) (NW110M)

Class Length
3 Days;
24 Hours

Scheduled Dates:

31 Oct -
4 Nov 11
23-27 Jan 12
14-18 May 12
25-29 Jun 12

AMERICAN COUNCIL ON EDUCATION
CREDIT
College Credit Recommendation Service

Lower Division
Undergraduate

1 Credit Hour

JOINT CHIEFS OF STAFF

Joint Certified in accordance with CJCSM 3500.03B

Synopsis
Nuclear Weapons Familiarization Seminar (NWFS) is a 3-day program that presents the history and development of nuclear weapons, management of the U.S. nuclear stockpile, plus the issues and challenges facing the program. Four primary functional areas focus on nuclear weapon fundamentals, nuclear weapon effects, nuclear weapons stockpile, and nuclear weapons issues. **(MTT)**

Objectives
- Define the scope of the national nuclear weapons program
- Recall basic nuclear physics and materials
- List key elements of nuclear surety
- Recall development, testing, command and control, and weapons effects from stockpiled nuclear weapons
- Name international agreements concerning nuclear weapons
- Discuss current nuclear weapons issues

Format
Facilitated discussions and lectures supported by video presentations.

Who Should Attend
Determined by the requesting organization.

Course Classification
Secret/Restricted Data.

Security Requirements
DoD Secret clearance with RD, DOE "Q" clearance with Sigmas 1-5, or as determined by the requesting organization.

Appropriate Dress
Determined by the requesting organization.

Funding
Travel is funded by requesting organization.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Joint DoD-DOE Nuclear Surety Executive Course (JNSEC) (NW201 and NW201M)

Class Length

NM
1 1/2 Days;
12 Hours

DC
1 Day
8 Hours

Scheduled Dates:

NM
21-22 Mar 12

VA
19, 20 Sep 12

Joint Certified in accordance with CJCSM 3500.03B

USAF Course ID: JBOZD32E1D00DA

Synopsis
Joint DoD-DOE Nuclear Surety Executive Course (JNSEC) is an executive-level program offering an overview of safety, security, and control aspects of the U.S. nuclear weapons program. JNSEC is a 1-day program conducted in the Washington DC area, and a second iteration is a 1.5-day version offered at the DNWS to accommodate a Nuclear Weapons Instructional Museum tour.

Objectives
Provide an overview of the nuclear weapons surety environment to include the functional areas of safety, security, and control as well as the U.S. nuclear stockpile and stockpile processes.

Format
Facilitated discussions and lectures (NWIM tour conducted at DNWS at the Secret/CNWDI level).

Faculty
DoD and DOE subject-matter experts.

Who Should Attend
Senior military and Federal employees who have nuclear weapons responsibilities.

Prerequisites
None.

Registration
Registration forms must be received by the registrar a minimum of 15 working days before the class start date. JNSEC is also offered in the Washington DC area. Registration procedures for this iteration will be explained in the invitation package.

Course Classification
Secret/Restricted Data/CNWDI.

Security
DoD secret clearance with CNWDI, or DOE "Q" clearance with Sigmas 1-5.

Appropriate Dress:
Military:
As directed by the individual's service.

Civilians: Business casual.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Theater Nuclear Operations Course (TNOC) (NW305)

Class Length
4.5 Days;
36 Hours

Scheduled Dates:

13-17 Feb 12
6-10 Aug 12

Joint Certified in accordance with CJCSM 3500.03B

USAF Course ID: J5OZD13B404DA

Synopsis
Theater Nuclear Operations Course (TNOC) is a 4.5-day course that provides training for planners, support staff, targeters, and staff nuclear planners for joint operations and targeting. The course provides overview of nuclear weapon design, capabilities and effects as well as U.S. nuclear policy, and joint nuclear doctrine. TNOC meets U.S. Army qualification requirements for the additional skill identifier 5H. This course is certified for joint training in accordance with CJCSM 3500.03A, Joint Training System.

Objectives
- Understand both U.S. and NATO Nuclear Policy
- Understand the U.S. nuclear planning and execution process
- Be familiar with nuclear command and control system, nuclear safety, and nuclear surety
- Understand the targeting effects of nuclear weapon employment
- Be familiar with the U.S nuclear weapons stockpile and associated delivery systems
- Understand the USSTRATCOM nuclear planning process and associated tools
- Integrate nuclear weapon employment into conventional plans and operations
- Apply the Theater Nuclear Planning process as part of an end-of-course exercise

Format
Facilitated discussions and lectures supported by exercises and an NWIM tour (at Secret/ Restricted Data level only).

Who Should Attend
Military and Federal employees who are theater-level planners, support staff, targeters, and nuclear staff planners (through O-5) and GS equivalent.

Course Classification
Top Secret/Restricted Data.

Security Requirements
DoD Top Secret clearance with RD, or DOE "Q" clearance with Sigmas 1-5.

Appropriate Dress
Military:
As directed by the individual's service.

Civilians: Business casual.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Theater Nuclear Operations Staff Course (TNOSC) (NW305M)

Class Length
3.5 Days;
28 Hours

Scheduled Date:

21-25 May 12

Joint Certified in accordance with CJCSM 3500.03B

Synopsis
Theater Nuclear Operations Staff Course (TNOSC) is a 3.5-day program that provides training for planners, support staff, targeters, and staff nuclear planners for joint operations and targeting. The course provides an overview of nuclear weapon design, capabilities, and effects as well as U.S. nuclear policy, and joint nuclear doctrine. TNOSC meets U.S. Army qualification requirements for the additional skill identifier 5H. **(MTT)**

Objectives
- Understand both U.S. and NATO Nuclear Policy
- Understand the U.S. nuclear planning and execution process
- Be familiar with nuclear command and control system, nuclear safety, and nuclear surety
- Understand the targeting aspects of nuclear weapon employment
- Be familiar with the U.S. nuclear weapons stockpile and associated delivery systems
- Understand the USSTRATCOM nuclear planning process and associated tools
- Integrate nuclear weapon employment into conventional plans and operations
- Apply the Theater Nuclear Planning process as part of an end-of-course exercise

Format
Facilitated discussions and lectures supported by video presentations.

Who Should Attend
Determined by the requesting organization.

Course Classification
Top Secret / Restricted Data.

Security Requirements
DoD Top Secret clearance with RD, or DOE "Q" clearance with Sigmas 1-5.

Appropriate Dress
Determined by the requesting organization.

Funding
Travel is funded by requesting organization.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. ***See pages 8-11 for details.***

Nuclear Policy (NucPol) (NW401)

Class Length
5 Days;
40 Hours

Scheduled Dates:

14-18 Nov 11
23-27 Apr 12

Upper Division Undergraduate

2 Credit Hours

Joint Certified in accordance with CJCSM 3500.03B

Synopsis
Nuclear Policy (NucPol) is a 5-day course that provides an overview of U.S. nuclear policy and its history, of NATO nuclear policy and how it relates to U.S. policy, of foreign nuclear programs and challenges, of U.S. nuclear surety, a review of nuclear accidents, and discussion of how lessons learned from those accidents drive updated public response to future accidents. You will compare/contrast today's environment for nuclear employment with the environment faced in 1945.

Objectives
- Understand the development of current nuclear policy
- Describe the evolution of nuclear deterrence
- Discuss the role of nuclear weapons as they relate to the instruments of national power
- Discuss the relationship of arms control methods and U.S. nuclear policy
- Explain the interplay of the North Atlantic Treaty Organization's nuclear policy with U.S. nuclear policy
- Describe how foreign nuclear weapon's programs affect U.S. nuclear policy
- Discuss ancillary influences on U.S. nuclear policy

Format
Facilitated discussions and lectures supported by video presentations and an NWIM tour at the Secret, Restricted Data (RD) level access.

Who Should Attend
Military and government civilians with a position involving nuclear policy or the national nuclear weapons program.

Course Classification
Secret/Restricted Data.

Security Requirements
DoD Secret clearance with RD, or DOE "Q" clearance with Sigmas 1-5.

Appropriate Dress
Military:
As directed by the individual's service.

Civilians: Business casual.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

U.S. Army Nuclear and Counter-Proliferation Officer Course (NCP-52) (NW450)

Class Length
22 Days;
176 Hours

Scheduled Date:

9 - July - 03
AUG 12

Synopsis
The Nuclear and Counterproliferation Officer Course (NCP-52) is presented annually at the DNWS by the U.S. Army Nuclear and Chemical Agency (USANCA). The training is limited to Army officers and serves as the Nuclear and Counterproliferation Officers Functional Area (FA 52) qualifying course. Topics include developing and revising COCOM-level orders, understanding the U.S. nuclear weapons program from inception to present, DoD Homeland Defense organization and doctrine, CBRNE overview, critical-site tours, and current FA 52 career field information. For specific information relating to NCP-52, contact USANCA at (703) 806-7866 or DSN 656-7866. **(Hosted)**

Objectives
- Develop baseline skills for new Army career field FA 52 officers
- Identify key aspects and programs of U.S. Counterproliferation efforts
- Expose officers to the U.S. Nuclear Weapon Program
- Provide historical perspective on the U.S. nuclear weapons stockpile
- Identify key elements of nuclear surety
- Generate awareness for emerging U.S. homeland defense issues and doctrine
- Discuss current WMD issues

Format
Facilitated discussions and lectures supported by video presentations, weapons cutaways, site surveys, and an NWIM tour.

Who Should Attend
Newly assigned Army FA 52 career field officers in the grades O-3 to O-5.

Registration
Registration is through USANCA at (703) 806-7866 or DSN 656-7866.

Course Classification
Secret/Restricted Data with CNWDI.

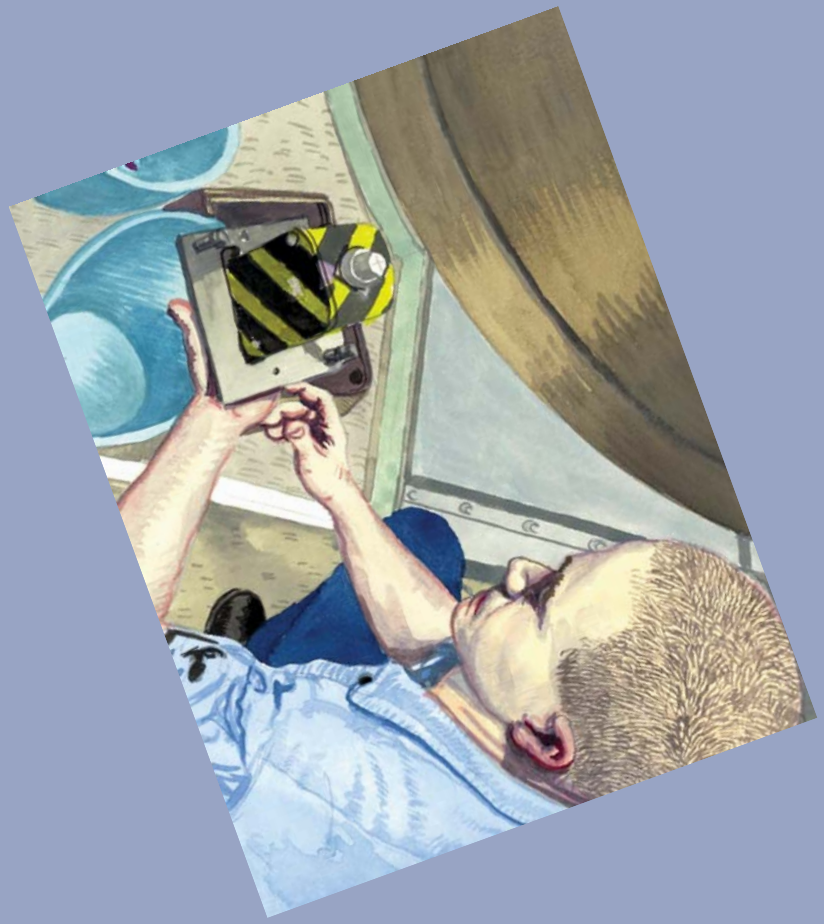
Security Requirements
DoD secret clearance with critical nuclear weapons design information (CNWDI) access; contact USANCA for details.

Appropriate Dress
Military: Varies by requirement. Class B and ACU required.

Civilian: Casual attire

For the latest course information, log onto https://dnws.abq.dtra.mil.

Nuclear Accident and Incident Response



Introduction to Radiological and Nuclear Incident Response (IRNIR) (NR100)

Class Length
2 Days;
16 Hours

Scheduled Dates:

19-20 Nov 11
17-18 Dec 11
21-22 Jan 12
17-18 Mar 12
19-20 May 12
09-10 Jun 12
14-15 Jul 12
22-23 Sep 12

Lower Division Undergraduate

1 Credit Hour

Synopsis
Introduction to Radiological and Nuclear Incident Response (IRNIR) provides a foundation for advanced DNWS courses. It is a 2-day awareness level course that provides instruction on basic scientific principles, fundamentals of nuclear weapons and radiological dispersal devices, radiological terrorism, medical and psychological effects of radiation exposure. Information on radiation hazards, detection equipment, personal protective equipment, decontamination, and an overview of federal incident response is also discussed. This course may also be brought to your organization via a mobile training team.

Objectives
- Understand the different types of Nuclear Weapons and dispersion devices
- Understand accidents and potential terrorist use of radiological weapons
- Understand basic scientific principles associated with Nuclear Weapons
- Understand characteristics of radiation detection
- Explain the medical/psychological aspects of exposure to ionizing radiation
- Explain protective measures and decontamination/contamination control
- Discuss roles and responsibilities for event/accident response

Format
Facilitated discussions and lectures supported by video presentations, case studies, and slide presentations.

Who Should Attend
DoD, Active, Guard, and Reserve first and second responders; Federal, state, and local responders. Non-DoD responders are also welcome to share interagency knowledge.

Prerequisites
None.

Security Requirements
None.

Appropriate Dress
Military: ACUs, ABUs, or utility uniform.

Civilians: Business casual.

For the latest course information, log onto https://dnws.abq.dtra.mil.

Nuclear Emergency Team Operations (NETOPS) (NR101)

Class Length
10 Days;
80 Hours

Scheduled Dates:

17-28 Oct 11
5-16 Dec 11
21 Feb-
- 2 Mar 12
16-27 Apr 12
4-15 Jun 12
13-24 Aug 12
10-21 Sep 12

Joint Certified in accordance with CJCSM 3500.03B

USAF Course ID: J5OZD32E3G00DA
USMC Course ID: F045781

Synopsis
Nuclear Emergency Team Operations (NETOP) is a 10-day course that offers hands-on training for members of a nuclear emergency response team. Subject matter includes modules on basic nuclear physics, biological effects of radiation, response processes and capabilities, radiation detection equipment, contamination control stations, surveys, and command and control. The course culminates with three daily field-training exercises during which students fully dress-out in anti-contamination clothing, use RADIAC equipment, and perform realistic nuclear emergency team functions at the School's live radioactive training sites.

Objectives
- Demonstrate an understanding of basic nuclear physics, biological effects, and protection
- Identify potential hazards and explain personal protection applications
- Describe national response plans and the requirement for a military response
- Demonstrate use of radioactivity monitoring instruments
- Explain radiation dosimetry and the use of a dosimeter Collect radioactive airborne samples
- Demonstrate accident patterns and plotting
- Properly don anti-C clothing
- Set-up and operation of a contamination control station

Format: Facilitated discussions, lectures supported by video presentations, and group field exercises.

Who Should Attend: Military personnel and Federal employees occupying EOD, NBC defense specialties and career fields, or other emergency response force positions.

Prerequisites: Complete NETOP-Primer distance-learning course (NR101DL).

Security Requirements: None.

Special Medical Requirements
Special medical requirements for civilian attendees are IAW Sections 1 and 2, Part A of Appendix C, 29 CFR 1910.134(e), which requires proof that the registrant has been medically evaluated and cleared by a licensed physician (board certified internal or occupational health) to wear a full-face, negative pressure, air purifying respirator (i.e., M50/JSGPM protective mask). Civilians must provide certification of medical clearance as part of registration.

Appropriate Dress
Military: BDUs, ACUs, or utility uniform.
Civilians: Business casual.

Service-specific PT gear is recommended for field exercises. Students who wear eyeglasses should bring inserts for M50/JSGPM series protective masks. Students are encouraged to bring their own service-specific field protective mask.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Weapons Of Mass Destruction Command, Control, and Coordination (WMDC3) (NR102DL and NR102)

Class Length
3 Days;
24 Hours

Scheduled Dates:
29 Nov -
-1 Dec 11
28 Feb -
-1 Mar 12
15-17 May 12
14-16 Aug 12

Distance Learning
Accessed from a .mil or .gov url only.

https://dnws.abq.dtra.mil
Follow the directions to log in if you previously have been granted access.
If not, follow the directions for "request access" to receive log in name and password.

Lower Division Undergraduate

2 Credit Hours

Joint Certified in accordance with CJCSM 3500.03B

USAF Course ID: J5OZD32E1D04DA

Synopsis
Weapons of Mass Destruction Command, Control, and Coordination (WMDC3) Course is a 5-day course covering the spectrum of WMD threats from terrorist motivation to employ CBRNE through coordinating effective response within the National Response Framework (NRF) and National Incident Management System (NIMS). The course culminates in a rigorous practical exercise in a mock emergency operations center (EOC). The scenario requires management of a simulated incident applying policies, doctrine, and principles covered during the course.

Objectives
- Provide an overview of current WMD threats and vulnerabilities to the U.S. in terms of Federal homeland defense and DoD anti-terrorism/force protection
- Introduce and detail the Federal plans, DoD directives, policies, and guidance that affect DoD's role in CBRNE response
- Compare roles and responsibilities of government agencies in mitigating WMD incidents
- Understand procedures for requesting DoD WMD response assets for application in a WMD consequence management response
- Provide tools to installation commanders and Federal-agency executives for requesting and applying DoD response assets into their local plans

Format
Facilitated discussions and lectures supported by practical application.

Who Should Attend
Commanders and their support staff and Federal, state, and local authorities who have decision-making responsibilities during WMD incidents.

Prerequisites
WMDC3 Distance Learning Course

Security Requirements
None.

Appropriate Dress
Military: ACUs, ABUs or utility uniform (no flight suits).
Civilians: Casual attire.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Commander And Staff Nuclear Accident Response (CASNAR) (NR105M)

Class Length
3 Days;
24 Hours

Contact DNWS Registrar for further information.

Scheduled Dates:

07-11 Nov 11
2-6 Jan 12
6-10 Feb 12
12-16 Mar 12
21-25 May 12
18-22 Jun 12
16-20 Jul 12
20-24 Aug 12

AMERICAN COUNCIL ON EDUCATION
CREDIT
College Credit Recommendation Service

Lower Division Undergraduate

1 Credit Hour

Joint Certified in accordance with CJCSM 3500.03B

Synopsis
Commander and Staff Nuclear Accident Response (CASNAR) Workshop is a 2-day, supervisory-level course that presents a fundamental approach to complex radiological response issues. Content of the program discusses lessons learned from past accidents, Federal, state, and local agency responsibilities, as well as key issues specific to a nuclear weapons accident/incident (i.e., legal, media, and medical and hazards management). **(MTT)**

Objectives
- Identify DoD, DOE, state, and local nuclear accident/incident response capabilities
- Understand response procedures identified in DOD 3150.8-M, *Nuclear Weapon Accident Response Procedures (NARP)*
- Understand the National Response Framework (NRF) and National Incident Management System (NIMS) as they apply to a nuclear accident/incident
- Discuss state and local radiological accident/incident response capabilities
- Recognize potential hazards associated with nuclear accident/incident
- Identify legal issues associated with a nuclear accident/incident
- Practice media coverage and communication skills used during media interviews
- Demonstrate command, control, and coordination in computer simulated exercises

Format
Facilitated discussions and lectures supported by video presentations, case studies, and computer-based exercises.

Who Should Attend
Commanders and their support staff who have the responsibility to respond to nuclear incidents.

Prerequisites
None.

Security Requirements
None.

Appropriate Dress
Determined by requesting organization.

Funding
Travel is funded by requesting organization.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Nuclear Radiological Incident Management (NRIM) (NR106)

Class Length
4 Days;
32 Hours

Scheduled Dates:

25-28 Oct 11
17-20 Jan 12
10-13 Apr 12
18-21 Sep 12

Lower Division Undergraduate

2 Credit Hours

Joint Certified in accordance with CJCSM 3500.03B

USAF Course ID: J5OZD13B402DA
USMC Course ID: F04B0Z1

Synopsis
Nuclear and Radiological Incident Management (NRIM) is a 4-day training course that presents the problems and responsibilities involved in nuclear weapon accident/incident response. Curriculum content includes lessons learned from past accidents, Federal, state, and local agency responsibilities, as well as key issues specific to a nuclear weapons accident/incident (i.e., legal, media, medical and hazards management issues). The course concludes with an interactive, computer-based exercise.

Objectives
- Identify DoD, DOE, state, and local nuclear incident response capabilities
- Understand response procedures identified in DOD 3150.8-M, *Nuclear Weapon Accident Response Procedures (NARP)*
- Understand the national response framework (NRF) and National Incident Management System (NIMS) as they apply to a nuclear incident
- Discuss state and local radiological accident response capabilities
- Recognize potential hazards associated with a nuclear accident/incident
- Identify legal issues associated with a nuclear accident/incident
- Practice media coverage and communication skills used during media interviews
- Demonstrate command, control, and coordination in computer simulated exercises

Format
Facilitated discussion and lectures supported by computer-based exercises.

Who Should Attend
Military personnel (E-6 and above) and Federal employees (GS-9 and above) who have responsibility to respond to nuclear accidents.

Prerequisites
None.

Security Requirements
None.

Appropriate Dress
Military: ACUs, ADUs, or utility uniforms (no flight suits).
Civilians: Casual attire.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Joint Nuclear Explosive Ordnance Disposal (JNEODC) (NR250)

Class Length
5 Days;
40 Hours

Scheduled Dates:

30 Jan -
-3 Feb 12
19-23 Mar 12
14-18 May 12
23-27 Jul 12

Joint Certified in accordance with CJCSM 3500.03B

USAF Course ID: J5AZO3E87100DA
USMC Course ID: F04L2Y1

Synopsis
Joint Nuclear Explosive Ordnance Disposal Course (JNEODC) is a 5-day training course that provides detailed sustainment training for EOD officers and enlisted personnel in nuclear EOD operations. The program focuses on nuclear weapons hazards, stockpile safety features and safeguards, weapons development, and response to a nuclear weapon accident/incident as part of the Initial Response Force (IRF) and Response Task Force (RTF). This class is offered to EOD personnel only.

Objectives
- Describe active stockpile weapons and associated delivery systems
- Identify hazardous and classified active/inactive stockpile weapon components
- Identify DoD, DOE, and EOD roles and responsibilities during a stockpile accident
- Describe basic nuclear physics, biological effects, and protection from radiation exposure
- Demonstrate set-up and operation of an emergency contamination control station, use of radiation-monitoring equipment, and how to properly don and doff anti-c clothing
- Demonstrate EOD operations as a function of the IRF and RTF

Format
Lectures, facilitated discussions, weapon cutaways, written and practical testing in a field environment, and an NWIM tour (at the Secret/CNWDI level).

Who Should Attend
DoD Explosive Ordnance Disposal officers and technicians.

Prerequisites
Naval School Explosive Ordnance Disposal.

Course Classification
Secret/Restricted Data with CNWDI.

Security Requirements
DoD Secret/Restricted Data clearance with CNWDI. Deadline for registration is 21 days prior to the class convene date.

Special Medical Requirements
Must be able to wear a full-face, negative-pressure, air-purifying respirator.

Appropriate Dress
Military: ACUs, ABUs, or Utility Uniform.

Service-specific PT gear is recommended for field exercises. Students who wear eye glasses should bring optical inserts for M50/JSGPM series masks. Students are encouraged to bring their own service-issued field protective mask and operations checklists.

Portions of the class are administered outdoors. Bring appropriate inclement weather clothing.

For the latest course information, log onto https://dnws.abq.dtra.mil.

Joint EOD Improvised Nuclear Device /Radiological Dispersal Device Recognition (JEIRRC) (NR300)

Class Length
5 Days;
40 Hours

Scheduled Dates:

9-13 Apr 12
7-11 May 12
30 Jul-
-3 Aug 12

USAF Course ID: J5OZD32E3G01DA

USMC Course ID: F04FEF1

Synopsis
Joint EOD Improvised Nuclear and Radiological Dispersal Device (RDD) Recognition Course (JEIRRC) is a 5-day course that is follow-on training to JNEODC. This program focuses on IND and RDD Federal assets, capabilities, and radiography interpretation. Includes discussions on WMD incident notification structure, passive interrogation, and device triage information procedures. This class is offered to EOD personnel only.

Objectives
- Know the federal assets that will respond to an IND and RDD
- Understand the capabilities of IND and RDD response assets
- Discuss WMD incident notification structure
- Learn advanced nuclear weapons design
- Learn IND radiography interpretation
- Understand firesets related to an IND and RDD
- Recognize IND and RDD signatures
- Be capable of processing information concerning INDs and RDDs

Format
Lectures, facilitated discussions, individual technical hands-on classes, group technical hands-on classes, and an NWIM tour and discussion (at the Secret/CNWDI level).

Who Should Attend
DoD Explosive Ordnance Disposal Officers and Technicians.

Prerequisites
Naval School Explosive Ordnance Disposal.

Course Classification
Secret/Restricted Data with CNWDI.

Security Requirements
DoD Secret/Restricted Data clearance with CNWDI. Deadline for registration is 21 days prior to the class convene date.

Appropriate Dress
Civilian field attire equivalent to business casual (pants/slacks and collared shirt).

Portions of the class are administered outdoors. Appropriate inclement weather clothing is recommended.

For the latest course information, log onto https://dnws.abq.dtra.mil.

Applied Radiological Response Techniques Level 2 (ARRT-2) (NR401)

Class Length
5 Days;
40 Hours

Scheduled Dates:

31 Oct -
-4 Nov 11
5-9 Mar 12
30 Apr -
- 4 May 12
18-22 Jun 12
9-13 Jul 12
6-10 Aug 12

Upper Division Undergraduate

2 Credit Hours

Synopsis
Applied Radiological Response Techniques - 2 (ARRT-2) is an intermediate 5-day course for first responders focused on the applied use of common radiation detection and measurement systems. The format is small-group instruction with lectures on instrument theory, operation, and practical exercises comprising 50 percent of this course. The remainder of the course centers on actual field application of different systems and interpretation of results. Attendees should bring clothing and footwear appropriate for outdoor activities.

Objectives
An intermediate course to:
- Develop practical skills to initially evaluate an unknown radiological environment
- Apply basic methods of radiological search and area characterization
- Understand applications of different classes of radiation instrumentation
- Select and use the proper radiation instrumentation to gather survey data
- Plan and implement a radiation survey
- Apply methods to identify and quantify an unknown radiological hazard
- Apply methods to reduce unwanted radiation exposure and contamination
- Apply legal issues associated with radiological response personnel
- Synthesize problem solving methodology to control a radiological incident

Format
Small-group experiences and practical exercises. Not to exceed 12 students per course.

Who Should Attend
Individuals or small teams with a radiological response mission.

Prerequisites
Must complete ARRT-1, or have radiological knowledge with constructive credit awarded after evaluation by the course manager.

Certification
Certificate in Applied Radiological Response Techniques is available after completing ARRT-1 and ARRT-2.

Security Requirements
None.

Appropriate Dress
Field expedient dress as determined by the exercising organization or unit. DNWS can provide the basics of anti-contamination clothing to small teams. It is recommended that personnel bring appropriate radiation dosimetry as radiation fields may exceed 5 mREM/hour. DNWS can only provide supplemental dosimetry to any attendee.s

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Applied Radiological Response Techniques Level 3 (ARRT-3) (NR420)

Class Length
5 Days;
40 Hours

Scheduled Dates:

By request

Synopsis

Applied Radiological Response Techniques - 3 (ARRT-3) is an advanced 5-day exercise for incident response organizations that require an environment to practice technical capabilities against unknown radiological situations. An open format of field exercises is used to test a unit's techniques, tactics, and procedures against a radiological incident. This course focuses on real-world team exercises. DNWS staff will design scenarios to meet the client's need.

Objectives

An advanced exercise course to:

- Deploy and exercise in real-time against real sources/contamination
- Allow commanders, staff, and managers to assess subordinate response capabilities
- Provide a malleable radiological environment to meet exercise and evaluation needs

Format

Open format field exercise(s) to test a unit's techniquies, tactics, and procedures against a radiological incident. ARRT-3 focuses on real-world team exercises.

Who Should Attend

Incident response organizations that require an environment to practice technical capabilities against unknown radiological situations.

Prerequisites

Completion of ARRT-1 and ARRT-2 is recommended for technical response individuals prior to deploying a team to DNWS. Those teams who have ARRT-1 / ARRT-2 level of knowledge may schedule exercises via the course manager.

Security Requirements

None.

Appropriate Dress

Field expedient dress as determined by the exercising organization or unit. DNWS can provide the basics of anti-contamination clothing to small teams. It is recommended that personnel bring appropriate radiation dosimetry as radiation fields may exceed 5 mREM/hour. DNWS can provide supplemental dosimetry to any attendee.

For the latest course information, log onto https://dnws.abq.dtra.mil.

ARRT-3 Certification is also available from DNWS-National Nuclear Laboratory Partnerships at Oak Rigde, Tennessee and Hanford, Washington. Please call the DNWS Registrar for more information.

CBRN Modeling

Geospatial Intelligence for Consequence Assessment (GICA) (CM101 and CM101V)

Class Length
2 Days;
16 Hours

Scheduled Dates:

NM
24-25 Oct 11
05-06 Dec 11
13-14 Feb 12
14-15 May 12
11-12 Jun 12
27-28 Aug 12

VA
14-15 Nov 11
30-31 Jan 12
12-13 Mar 12
23-24 Apr 12
16-17 Jul 12
17-18 Sep 12

Synopsis
Geospatial Intelligence for Consequence Assessment (GICA) is a 2-day course in which students learn to understand and apply geographic information system concepts within the context of modeling, mapping, visualization, and consequence assessment using DTRA hazard modeling and assessment tools. This course should be taken as a prerequisite to CATS Level 1.

Objectives
- Demonstrate knowledge of geospatial information systems (GIS) principles and terminology
- Demonstrate techniques for proper topographic portrayal according to National Geospatial Intelligence Agency (NGA) specifications with GIS software
- Demonstrate techniques for creating, editing, projecting, and attributing data in an GIS database
- Demonstrate techniques for final processing, analyzing, and classifying data in an GIS database

Format
Instructor presentations, lectures, and computer-based exercises.

Who Should Attend
Military and government civilians involved in CBRN-event modeling and preparation for Consequence Assessment Tool Set Level 1.

Prerequisites
Requires basic computer skills.

Security Requirements
None.

Appropriate Dress
Military: USA – Class B, USMC – Service B/C, USN – Khaki/Working Whites/Blues, USAF – Class B.
Civilians: Business casual.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Consequence Assessment Tool Set Level 1 (CATS-1) (CM110 and CM110V)

Class Length
3 Days;
24 Hours

Scheduled Dates:

NM
26-28 Oct 11
7-9 Dec 11
15-17 Feb 12
16-18 May 12
13-15 Jun 12
29-31 Aug 12

VA
16-18 Nov 11
1-3 Feb 12
14-16 Mar 12
25-27 Apr 12
18-20 Jul 12
19-21 Sep 12

Course Number:
CM110 and CM110V

Synopsis
Consequence Assessment Tool Set Level 1 (CATS-1) is a 3-day course in which the student learns to use the DTRA CATS software package to model hazards and assess their impact. Students will learn to assess the impact of hazards on population and critical infrastructure. The capabilities and limitations of the assessment tools will be discussed and students will learn to evaluate CATS outputs.

Objectives
At the end of this course, participants will be able to:
- Recognize and understand CATS capabilities and limitations
- Define and describe analytical functionality in CATS
- Select and demonstrate the appropriate application of modeling and assessment functionality within CATS
- Apply and interpret the results of CATS analysis
- Discuss how this tool migrates into the evolving DoD integrated, net-centric-application environment, i.e., Integrated Weapons of Mass Destruction Toolkit, Joint Effects Module, and Joint Operational Effects

Format
Instructor presentations, lectures, and computer-based exercises.

Who Should Attend
Military and government civilians involved in CBRN-event modeling.

Prerequisites
Requires basic computer skills and completion of the Geospatial Intelligence for Consequence Assessment course. Requires registration on ACECenter, https://acecenter.cnttr.dtra.mil.

Security Requirements
None.

Appropriate Dress for Level 1 and Level 2 Courses
Military: USA – Class B, USMC – Service B/C, USN – Khaki/Working Whites/Blues, USAF – Class B.
Civilians: Business casual.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Hazard Prediction and Assessment Capability Level 1 (HPAC-1) (CM120 and CM120V)

Class Length
5 Days;
40 Hours

Scheduled Dates:

NM
17-21 Oct 11
28 Nov-
-2 Dec 11
6-10 Feb 12
7-11 May 12
4-8 Jun 12
20-24 Aug 12

VA
31 Oct -
- 4 Nov 11
5-9 Mar 12
9-13 Apr 12
9-13 Jul 12
10-14 Sep 12

Synopsis
Hazard Prediction and Assessment Capability Level 1 (HPAC-1) is a 5-day course in which the student achieves a basic level of competency in modeling of hazardous material releases using the DTRA HPAC software package. Upon completion of the course, students will understand the capabilities and limitations of the program and be able to perform basic hazard predictions and assessments.

Objectives
At the end of this course, participants will be able to:
- Explain capabilities and limitations of HPAC
- Review, apply, and demonstrate source term functionality in HPAC
- Select and demonstrate the appropriate application editor within HPAC
- Differentiate and develop results of HPAC calculations
- Discuss how this tool migrates into the evolving DoD integrated net-centric application environment, i.e., Integrated Weapons of Mass Destruction Toolkit, Joint Effects Module, and Joint Operational Effects

Format
Instructor presentations, lectures, and computer-based exercises.

Who Should Attend
Military and government civilians involved in CBRN event modeling.

Prerequisites
Requires basic computer skills. Requires registration on ACECenter, https://acecenter.cnttr.dtra.mil.

Security Requirements
None.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Hazard Prediction and Assessment Capability Level 2 (HPAC-2) (CM150 and CM150V)

Class Length
5 Days;
40 Hours

Scheduled Dates:

NM
9-13 Apr 12
17-21 Sep 12

VA
17-21 Oct 11
23-27 Jan 12
6-10 Aug 12

Synopsis
Hazard Prediction and Assessment Capability Level 2 (HPAC-2) is a 5-day course in which the student achieves a higher level of proficiency in modeling and analysis of hazard release using HPAC. Students will learn to apply and demonstrate source term functionality. Emphasis is on interpreting, translating, and communicating results.

Objectives
At the end of this course, participants will be able to:
- Explain the capabilities and limitations of HPAC
- Review, apply, and demonstrate source term functionality in HPAC
- Select and demonstrate the appropriate application of editors within HPAC
- Differentiate and develop results of HPAC calculations
- Discuss how this tool migrates into the evolving DoD integrated net-centric application environment, i.e., Integrated Weapons of Mass Destruction Toolkit, Joint Effects Module, and Joint Operational Effects

Format
Instructor presentations, lectures, and computer-based exercises.

Who Should Attend
Military and government civilians involved in CBRN event modeling.

Prerequisites
HPAC Level 1 (or equivalent) and 6 months HPAC experience.

Security Requirements
None.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Intermediate Modeler Course (IMC) (CM130B)

Class Length:
4 Days;
32 Hours

Scheduled Dates:

NM
16-19 Apr 12
24-27 Sep 12

VA
13-16 Dec 11
12-15 Jun 12

Synopsis
Intermediate Modeling Course is a 4-day course designed to enable users to recognize the most applicable features of any of the M&S Tools developed by DTRA and others and apply them as seamlessly as possible as part of an integrated "function-centric" approach to CBRNE Decision Support. This course will build upon previous "tool-centric" training designed to enable users to develop modeling skills pertinent to a specific software tool.

Objectives
- Understand capabilities and limitations of a variety of software tools that could be used to perform the functions required for comprehensive Consequence Assessment (CA) (e.g. HPAC, CATS, ICWater, IWMDT, HAZUS-MH, ArcGIS, Google Earth)
- Identify tools and data from available resources that are appropriate for the task
- Emphasis on interoperability of tools
- Enable users to respond to the unique challenges associated with force protection, target analysis, and military and civilian CA
- Enable users to apply a variety of tools as part of a coordinated approach to incident response
- Emphasis on practical exercises involving scenarios based on real-world events and threats
- Generation, interpretation and effective communication of results
- Discuss evolution of technology and its impact on CA

Format
Instructor presentations, lectures, and computer-based exercises.

Who Should Attend
Military and government civilians involved in CBRNE-event modeling.

Prerequisites
HPAC Level 1, Geospatial Intelligence for Consequence Assessment, and Consequence Assessment Tool Set Level 1 courses. Requires registration on ACECenter, https://acecenter.cnttr.dtra.mil.

Security Requirements
None.

Appropriate Dress
Military: USA – Class B, USMC – Service B/C, USN – Khaki/Working Whites/Blues, USAF – Class B.
Civilians: Business casual.

For the latest course information, log onto https://dnws.abq.dtra.mil.

Integrated Munitions Effects Assessment Level 1 (IMEA-1) (CM160 and CM160V)

Class Length
4 Days;
32 Hours

Scheduled Dates:

VA
3-6 Oct 11
3-6 Apr 12

Synopsis
Integrated Munitions Effects Assessment Level 1 (IMEA-1) is a 4-day course in which the student will achieve an initial level of competency in understanding the capabilities and limitations of IMEA, obtaining target models, creating attack plans, and analyzing and interpreting results.

Objectives
- Understand Capabilities and Limitations of IMEA
  - Define functions/processes of IMEA and understand HW/SW requirements
  - Describe IMEA functionality and tool suite
  - Recognize the lexicon and issues of Hardened and Deeply Buried Targets (HDBT), and weapons nomenclature in the context of using IMEA
  - Demonstrate IMEA with HPAC
  - Understand uncertainty inherent in inputs and outputs
  - Identify appropriate reachback resources
- Define IMEA Methodology/Process
  - Memorize, understand and apply the hierarchy of the IMEA target tree (import, export, open, create)
  - Obtain target model
  - Create attack plan
  - Calculate and interpret results in context of uncertainties
  - Present results
- Characterize Target
  - Understand basic IMEA B&B and tunnel editor functionality
  - Demonstrate basic IMEA skills to create, visually validate, and edit B&B and tunnel model
  - Understand and apply B&B and tunnel model validation rules
  - Calculate probabilistic attack against B&B and tunnel model
- Apply an Attack Plan on a Target
  - Understand and select attack mode
  - Select and apply weapon(s) and aimpoint(s)
  - Calculate results
  - Interpret and communicate results
- Discuss how this tool migrates into the evolving DoD integrated net-centric application environment, i.e., Integrated Weapons of Mass Destruction Toolkit, Joint Effects Module, and Joint Operational Effects

Format
Facilitated discussions and lectures supported by computer-based exercises.

Who Should Attend
Military and Federal employees or their contractors who have target characterization or weaponeering responsibilities.

Prerequisites
Requires basic computer skills. Requires registration on ACECenter, https://acecenter.cnttr.dtra.mil.

Security Requirements
Secret clearance.

Appropriate Dress
Military: USA – Class B, USMC – Service B/C, USN – Khaki/Working Whites/Blues, USAF – Class B.
Civilians: Business casual.

Vulnerability Assessment Protection Options Level 1 (VAPO-1) (CM170 and CM170V)

Class Length
5 Days;
40 Hours

Scheduled Dates:

NM
23-27 Jul 12

VA
24-28 Oct 11
27 Feb -
- 2 Mar 12
7-11 May 12
20-24 Aug 12

Synopsis
Vulnerability Assessment Protection Options Level 1 (VAPO-1) is a 5-day course in which the student will understand the full functionality of VAPO to include its capabilities, limitations, and assumptions; assess and analyze a spectrum of threats against assets; and develop mitigating strategies.

Objectives
- Understand limitations and capabilities of VAPO
- Define functions/processes of VAPO and understand HW/SW requirements
- Understand limitations inherent in input and output
- Identify appropriate reachback resources
- Construct threat asset site plan and analyze threat effects
- Import and export appropriate site imagery and data
- Construct and modify asset site plan (including barrier planning)
- Construct threat(s)
- Produce and run a scenario by applying threat and site asset(s)
- Construct and illustrate damage and threat contours
- Analyze the effectiveness of retrofit mitigation strategies
- Apply retrofits to asset site plan and re-run scenario
- View, interpret and comunicate results
- Understand structural and human effects
- Prepare brief / presentation using VAPO's screen-capture utility
- Demonstrate interoperability of VAPO with HPAC
- Discuss how this tool migrates into the evolving DoD integrated net-centric application environment, i.e., Integrated Weapons of Mass Destruction Toolkit, Joint Effects Module, and Joint Operational Effects

Format
Facilitated discussions and lectures supported by computer-based exercises.

Who Should Attend
Military and Federal employees or their contractors who have vulnerability assessment or force-protection responsibilities.

Prerequisites
Requires basic computer skills.

Security Requirements
None.

Appropriate Dress
Military: USA – Class B, USMC – Service B/C, USN – Khaki/Working Whites/Blues, USAF – Class B.
Civilians: Business casual.

For the latest course information, log onto https://dnws.abq.dtra.mil.

Integrated Munitions Effects Assessment Level 2 (IMEA-2) (CM180 and CM180V)

Class Length
5 Days;
40 Hours

Scheduled Dates:

VA
6-10 Feb 12
13-17 Aug 12

Synopsis
Integrated Munitions Effects Assessment Level 2 (IMEA-2) is a 5-day course in which the student will achieve an enhanced level of competency in understanding the capabilities and limitations of IMEA, importing and creating target models, developing attack plans using conventional or nuclear weapons, performing consequence assessment to WMD scenarios, and defending results.

Objectives
- Understand Limitation and Capabilities of IMEA
  - Recognize issues in model building, topology, geology, and uncertainty
  - Identify additional resources available for complex modeling targeting
  - Understand the weapon availability and characteristics within IMEA
- Apply IMEA Methodology/Process
  - Memorize, understand, and apply the hierarchy of the IMEA target tree
  - Obtain target model; create attack plan; calculate and interpret attack results in context of uncertainties; and present results
- Physically Characterize Target
  - Incorporate topography, imagery, and geology
  - Apply IMEA B&B and tunnel editor functionality
  - Create, visually validate, and edit B&B and tunnel model
  - Understand and apply B&B and tunnel model validation rules
  - Assess probabilistic attack against B&B and tunnel model
- Functionally Characterize Target
  - Incorporate combat components, equipment, personnel
  - Assess WMD unique issues
- Develop an Attack Plan on a Target
  - Analyze IMEA inputs and outputs in the context of commander's intent
  - Apply approach for defeating target
  - Apply weapons and aim points on a target model
  - Apply post-attack BDA and re-strike options
- Interpret and Defend Results
  - Assess fidelity of entire process and communicate how results satisfy commander's intent
- Discuss how this tool migrates into the evolving DoD integrated net-centric application environment, i.e., Integrated Weapons of Mass Destruction Toolkit, Joint Effects Module, and Joint Operational Effects

Format
Facilitated discussions and lectures supported by computer-based exercises.

Who Should Attend
Military and Federal employees or their contractors who have completed IMEA Level 1 and desire to understand an use the more advanced features of IMEA.

Prerequisites
IMEA Level 1 is required.

Security Requirements
Secret clearance.

Appropriate Dress
Military: USA – Class B, USMC – Service B/C, USN – Khaki/Working Whites/Blues, USAF – Class B.
Civilians: Business casual.

For the latest course information, log onto https://dnws.abq.dtra.mil.

Hazard Prediction and Assessment Capability Level 3 (HPAC-3) (CM250 and CM250V)

Class Length
5 Days;
40 Hours

Scheduled Dates:

NM
19-23 Mar 12

VA
5-9 Dec 11
4-8 Jun 12

Synopsis
Hazard Prediction and Assessment Capability Level 3 (HPAC-3) is a 5-day course in which the student will achieve an advanced level of proficiency in assessing the consequence of hazardous material releases using HPAC by managing source term functionality, selecting the appropriate editors, and judging the utility and validity of outputs to meet the user's mission requirements.

Objectives
At the end of this course, participants will be able to:
- Consider the uncertainties associated with HPAC input and data
- Understanding parameters modifiable within and external to HPAC and their effects on results
- Demonstrating how to model complex hazard releases
- Conduct quality assurance on HPAC output
- Articulate the assumptions and uncertainties in HPAC

Format
Instructor presentations, lectures, and computer-based exercises.

Who Should Attend
Military and Federal employees or their contractors who need to be able to perform quality assurance on HPAC output, need to be able to assess the validity and assumptions made by HPAC, or have a need to use advanced HPAC features. Participants must have completed the HPAC Level 2 course and have 6 or more months of HPAC experience.

Prerequisites
HPAC Level 1 and HPAC Level 2.

Security Requirements
None.

Appropriate Dress
Military: USA – Class B, USMC – Service B/C, USN – Khaki/Working Whites/Blues, USAF – Class B.
Civilians: Business casual.

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

Integrated Weapons of Mass Destruction Toolset (IWMDT) (CM260)

Class Length
5 Days;
40 Hours

Scheduled Dates:

VA
15-18 Nov 11

Synopsis
Integrated Weapons of Mass Destruction Toolset is a thin-client, web-based application that provides users with consolidated access to DTRA's WMD tools, models, and simulations. Forward-deployed users perform basic analyses and store scenario data on IWMDT back-end servers. Reachback personnel combine CBRNE expertise with near real-time weather, Geospatial Information System and Intel data to perform detailed analyses and share results with field users, analysts, and planners. IWMDT is available both on the internet and SIPRNet. IWMDT can be provided to ensure back-up stand-alone is available for disconnected operations. The IWMDT Consequence Assessment Level 1 course is five days long. The student will achieve an intermediate level of competency in modeling hazardous material releases.

Objectives
At the end of the course, participants will be able to:
- Explain how to migrate your unit to IWMDT
- Explain capabilities and limitations of IWMDT-CA
- Review, apply, and demonstrate source-term functionality in IWMDT-CA
- Differentiate and develop results of IWMDT-CA calculations
- Demonstrate how to enhance your consequence assessment with the GIS capabilities within IWMDT
- Explain and utilize the Web-Service capabilities of IWMDT
- Discuss how this tool incorporates evolving DoD CBRNE applications (Joint Effects Modules, etc.)

Format
- Instructor presentations, lectures, and computer-based exercises.

Who Should Attend
Military personnel and Federal employees involved in CBRN-event modeling who have an understanding of the legacy HPAC software.

Prerequisites
Basic computer skills. Register through ACECenter, https://acecenter.cnttr.dtra.mil.

Security Requirements
None.

Appropriate Dress
Military: USA - Class B
USMC – Service B/C;
USN – Khaki/Working Whites/Blues (E)
USAF – Class B
Civilians: Business casual

For the latest course information, log onto https://dnws.abq.dtra.mil.

Advanced System Survivability Integrated Simulation Toolkit Level 1 (ASSIST) (CM270)

Class Length
4 Days;
32 Hours

Scheduled Dates:

VA
17-20 APR 12

Contact DNWS Registrar for further information.

Synopsis
Advanced System Survivability Integrated Simulation Toolkit Level 1 is a four-day course in which the user learns how to use the ASSIST software package to model the effects of nuclear explosions in the atmosphere and in space on military systems that operate within or through those environments. Examples of such systems include RADAR, high-frequency and satellite, radio-frequency, communication links, Global Positioning System navigation, and optical sensors for detection. ASSIST presents users with a common, graphical-user interface (GUI) to a suite of DTRA's nuclear environments and system-effects models.

Objectives
- Users are given instruction in the rudiments of HARP (HAzardous Radioactivity Propagation) and system effects
- Users are given hands-on training using ASSIST and its underlying models
- Course participants give ASSIST developers useful feedback and suggestions that enable subsequent-model improvements

Format
- Instructor presentations, lectures, and computer-based exercises.

Who Should Attend
Military personnel and Federal employees or their supported contractors who have responsibilities in system survivability.

Prerequisites
Basic computer skills. Requires registrations on ACECenter, https://acecenter.cnttr.dtra.mil.

Security Requirements
None.

Appropriate Dress
Military: USA - Class B
USMC – Service B/C;
USN – Khaki/Working Whites/Blues (E)
USAF – Class B
Civilians: Business casual

For the latest course information, log onto https://dnws.abq.dtra.mil.

Hosted Courses

Defense Integration and Managment of Nuclear Data Services (DIAMONDS) (NW130)

Class Length
3 Days;
24 Hours

Scheduled Dates:

2-6 APR 12

Contact Diana Kuhn at (703) 767-4315/ DSN 427-4315 for more information.

Synopsis
Defense Integration and Management of Nuclear Data Services (DIAMONDS) Training is a 3-day course that provides prospective and current DIAMONDS users hands-on familiarization training with the national nuclear stockpile's sole accountability database. Content of this course discusses current practices for generation, process, and submission of nuclear accountability transactions in the DIAMONDS system, as well as, the incorporation of DOD nuclear weapons accountability policies and procedures. Students should already be familiarized with nuclear accountability transactions outside of DIAMONDS.

Objectives
- Provide familiarization training to DIAMONDS users to include nuclear weapons custodial unit personnel, Service Logistics Agents, DOE and general users of the DIAMONDS system.
- Incorporate current practices for generating, processing and submitting DIAMONDS transactions.
- Incorporate DOD nuclear weapons accountability policy and procedures.

Format
Facilitated lectures, faculty led hands-on demonstration, and facilitated exercises.

Who Should Attend
Air Force, Navy, and Army active duty and civilians responsible for inputting, processing, collecting or retrieving nuclear weapons accountable information.

Prerequisites
None.

Security Requirements
Attendees must contain a clearance equal to Secret / Critical Nuclear Weapons Design Information (S/CNWDI).

Appropriate Dress
Military: Duty Uniform
Civilians: Business casual

For the latest course information, log onto https://dnws.abq.dtra.mil.

Nuclear Surety Inspection Course (NSIC) (NW120 and NW120M)

Class Length
4 Days;
32 Hours

Scheduled Dates:

NM
7-10 Nov 11
24-27 Jan 12
3-6 Apr 12
27-30 Aug 12

MTT
3 Days;
24 Hours

Scheduled Dates:
By request

Synopsis
Nuclear Surety Inspections Course (NSIC) is a four-day course or a three-day coures as a MTT in which students learn the DoD nuclear inspection process. Training will be conducted through facilitated group discussion and scenarios. A thorough understanding of Nuclear Weapons Technical Inspections Instruction, CJCSI 3263.05.

Objectives
- To provide training to further the standardization and understanding of Nuclear Weapons
- Technical Inspection (NWTI) requirements, as promulgated by the Department of Defense
- Illustrate nuclear surety inspection process through deficiency resolution and impact
- Students will be assessed throughout the course and are required to meet performance standards

Format
Facilitated discussions and group-based scenarios.

Who Should Attend
Nuclear Surety Inspectors and personnel of nuclear-capable units will be given first priority. All other personnel will be considered on a space-available basis.

Prerequisites
Students must have a thorough understanding of Nuclear Weapons Technical Inspections Instruction, CJCSI 3263.05.

Security Requirements
DoD secret clearance.
*DoD CNWDI if NWIM tour is desired.

Appropriate Dress
Military: Duty Uniform
Civilians: Business casual

For the latest course information, log onto https://dnws.abq.dtra.mil.

This course is part of the DNWS Certification Program. See pages 8-11 for details.

WMD Outreach Program

Weapons of Mass Destruction Outreach Modules

Briefing Length

1-4 Hours, can be tailored to meet specific needs

Scheduled Dates:

For more information on the WMD Outreach Program or to request training, please call the Outreach program manager at (505) 853-4509 or (505) 853-0195.

The WMD Outreach Program is an integral part of DTRA's mission to safeguard the U.S. and its allies from Weapons of Mass Destruction; Chemical, Biological, Radiological, Nuclear and high yield Explosives (CBRNE), by providing capabilities to reduce, eliminate, and counter the threat and mitigate its effects.

The WMD Outreach Program provides tailored training and resources to match the needs of the requesting agency, department or unit. This program directly supports the Department of Defense along with federal, state and local agencies. Subject matter experts conduct lectures, seminars, discussion sessions and hands on training on a broad range of WMD topics–including strategic, operational, tactical, and technical aspects of nuclear weapons, the U.S. strategic deterrent, WMD proliferation and counter proliferation, WMD response and WMD consequence management. The presentations are targeted at all levels–introductory, intermediate, and advanced and can be taught in an unclassified or classified environment. Audiences range from first responders through general/flag officers and other senior executives.

The modules are provided at the requesting organization's location and are ideal for increasing awareness of current WMD-related issues. The presentations can be integrated into existing training and education programs or used as electives and focused studies in formal education settings. Additional modules may be developed based on suggested materials in support of the DTRA mission and at the discretion of DTRA leadership.

Core Modules are available in the following areas:

General Nuclear/ Radiological Training and Education

- Basics of Radiation
- Biological Effects of Ionizing Radiation (BEIR)
- Nuclear Materials and Production
- Nuclear Reactor Basics
- Dual-Use Technology Overview
- Nuclear and Radiological Response
- Nuclear Weapons Design
- Nuclear Weapons Effects
- U.S. Nuclear Stockpile
- Nuclear Policy and Forces

Combating the WMD Threat

- The Weapons of Mass Destruction Challenge
- DoD Combating WMD Overview
- The Dangerous World of WMD
- Terrorist Use of Radiological Materials [Radiological Dispersal Devices (RDDs) and 0Radiological Exposure Devices (REDs)]
- Nuclear Material Smuggling (delivery and detection)
- WMD Consequence Management (foreign and domestic)
- Domestic Nuclear Event: Reality Brief
- WMD Elimination
- Female Suicide Bombers
- Pandemic Influenza Overview
- The Bioterrorism Threat

Format: Classroom and hands on training
Faculty: Subject-matter experts
To schedule training, please contact the WMD Outreach Program at WMD_Outreach@dtra.mil

Weapons of Mass Destruction Outreach Modules

Basics of Radiation

Objectives:
- Understand the fundamentals of radiation
- Know the types, properties, sources, and dangers of radiation
- Know the beneficial uses and products of radiation
- Know the hazards associated with radiation

Biological Effects of Ionizing Radiation (BEIR)

Objectives:
- Understand the fundamentals of ionizing radiation
- Know the significance of ionizing radiation
- Understand the complexity of BEIR issues and the biological process in humans
- Relate this information to terrorist use of radiological materials

Nuclear Materials and Production

Objectives:
- Understand and explain the issues concerning uranium enrichment & plutonium production
- Know and describe the various technologies associated with the production of nuclear materials

Nuclear Reactor Basics

Objectives:
- Understand the basics of nuclear reactor design and operation
- Discuss nuclear reactor accidents and incidents
- Understand nuclear reactor types and their potential roles in nuclear weapon production

Dual-Use Technology

Objectives:
- Define and explain the concept of dual-use technology and materials
- Relate dual-use technology and materials theory to nuclear weapon proliferation
- Understand proliferation risks and apply the risks to countries of concern
- Identify various organizations and safeguards in place to monitor dual-use commerce

Nuclear and Radiological Response

Objectives:
- Understand the challenges and considerations for responding to a nuclear or radiological event
- Understand the role of response agencies ranging from local to federal levels
- Discuss potential scenarios and associated techniques in dealing with a nuclear or radiological incident

Weapons of Mass Destruction Outreach Modules

Nuclear Weapons Design

Objectives:
- Understand fission and fusion and their role in weapons design
- Understand nuclear weapon design concepts
- Understand the history of weapon design
- Understand theory of operations
- Know the basic types of weapons designs

Nuclear Weapons Effects

Objective:
- Understand the effects of a nuclear detonation including blast, shock, thermal radiation, prompt radiation, electromagnetic pulse, and fallout

U.S. Nuclear Stockpile

Objectives:
- Understand the stockpile decision process and stockpile categories
- Know how the U.S. maintains nuclear weapons quality assurance without nuclear testing
- Understand the reasons for recent stockpile decisions and the key aspects of several lessons learned

Nuclear Policy and Forces

Objectives:
- Understand and explain the basic tenets of U.S. Nuclear Policy
- Understand the historical relevance of global Nuclear Policy
- Know the factors that impact U.S. nuclear forces

The Weapons of Mass Destruction Challenge

Objectives:
- Understand the definitions related to WMD proliferation
- Know the policy initiatives related to WMD
- Understand the differences of the Chemical, Biological, Radiological, and Nuclear (CBRN) spectrum

DoD Combating WMD Overview

Objectives:
- Define and understand the WMD threat in the 21st Century
- Summarize the CWMD mission as laid out in DoD strategy, guidance, and doctrine
- Understand the definitions of the eight military mission areas as defined in joint doctrine
- Describe the interrelationships between the eight mission areas

Weapons of Mass Destruction Outreach Modules

The Dangerous World of WMD

Objectives:
- Understand the different types of Weapons of Mass Destruction
- Be familiar with the history of CBRN weapons and their use
- Understand shifts in terrorism and potential threats posed by the terrorist use of CBRN weapons
- Be familiar with the threat of WMD proliferation
- Understand the Cooperative Threat Reduction Treaty/Nunn-Lugar Program and DTRA's role in Non proliferation of WMD material

Terrorist Use of Radiological Materials

Objectives:
- Understand the different methods in which a terrorist could use radiological material as a weapon
- Identify likely radiological sources
- Discuss the design and employment of Radiological Dispersal Devices (RDDs) aka "Dirty Bombs" and Radiological Exposure Devices (REDs)
- Understand basic response considerations for radiological weapons

Nuclear Material Smuggling (Delivery and Detection)

Objectives:
- Understand the basic challenges to detection of nuclear materials smuggling
- Discuss various methods of smuggling nuclear materials
- Understand the basic mechanisms of smuggling prevention

WMD Consequence Management (Foreign and Domestic)

Objectives:
- Define and discuss domestic and foreign WMD consequence management
- Be familiar with the National Response Framework (NRF) and National Incident Management System (NIMS)
- Understand DoD's role in both domestic and foreign WMD consequence management

Domestic Nuclear Event: Reality Brief

Objectives:
- Identify a technically accurate representation of the effects of a plausible domestic nuclear event centered on the NYC World Trade Center site and compare this to relevant historical events
- Dispel myths associated with a plausible nuclear terror event and understand the likely effects
- Identify the complexities associated with nuclear response

Weapons of Mass Destruction Outreach Modules

WMD Elimination

Objectives:
- Define WMD elimination
- Describe the operational aspects of this mission area
- Understand the historical context for the current operational framework

Female Suicide Bombers

Objectives:
- Understand the threat posed from female suicide bombers
- Describe and understand the roles of women within insurgencies
- Recognize key case studies of past female suicide bombers in different regions of the world
- Explain various methods employed by female suicide bombers and the evolution of their tactics
- Review the stories of women that have survived their suicide missions and discuss the logic behind their actions

Pandemic Influenza Overview

Objectives:
- Describe Influenza types, variations, and effects
- Identify DoD plans and capabilities to respond to a pandemic influenza outbreak
- Identify appropriate countermeasures to a pandemic influenza outbreak
- Evaluate U.S. Strategy to combat the spread of pandemic influenza
- Identify supporting technologies for detection, surveillance, protection, and mitigation of pandemic influenza outbreak

The Bioterrorism Threat

Objectives:
- Describe emerging bioterrorism threats and capabilities
- Identify the complexities associated with bioterrorism response
- Understand the necessity of collaboration between public health, law enforcement, and national security organizations for countering bioterrorism
- Identify the strategies, plans and requirements for bioterrorism consequence management

Partnered Schools

Partnered Schools

In an effort to promote cooperation between DoD educational entities, the Defense Threat Reduction University (DTRU), Defense Nuclear Weapons School (DNWS) has established a solid working relationship with the U.S. Air Force Nuclear Weapons Center (AFNWC) at Kirtland AFB, Albuquerque, NM and the Air University Counter Proliferation Center at Maxwell AFB. Because of that relationship, the DNWS is pleased to provide a copy of their FY12 Course listing and schedule. Please direct inquiries about any of these courses to the Course Registrar at the Air Force Nuclear Weapons Center (AFNWC) 498th Nuclear Systems Division / Education & Training Section (498 NSW/NWASE) at DSN 246-7784 or via email to ncregworkflow@kirtland.af.mil.

Course Schedule

NUCLEAR 200 - NUCLEAR FUNDAMENTALS COURSE (KAFB) - 8 PER YEAR (Nuc 200)
AF NUCLEAR CERTIFICATION PROCESS COURSE (KAFB) - 4 PER YEAR (NCPC)
AF NUCLEAR CERTIFIED EQUIPMENT (NCE) USERS COURSE (KAFB) - INCLUDES MTT ROAD SHOW COURSE (NCE)
NUCLEAR 300 – ADVANCED NUCLEAR CONCEPTS (KAFB) (Nuc 300)
NUCLEAR 400 – SENIOR LEADER NUCLEAR MANAGEMENT (KAFB) (Nuc 400)
MOBILE TRAINING TEAM (ROAD SHOW) - AVAILABLE DATES FOR CERTIFICATION PROCESS COURSE (NSW MTT)
HOLIDAYS INDICATED WITH RED DATE / BLOCKED DAYS HIGHLIGHTED IN YELLOW

498th NSW Course Schedule FY 2012

	Oct 11	Nov 11	Dec 12	Jan 12	Feb 12	Mar 12	Apr 12	May 12	Jun 12	Jul 12	Aug 12	Sep 12
Nuc 200	25-28		13-16	10-13		13-16	10-13	1-4	5-8			18-21
NCPC		2-3			15-16			30-31			15-16	
NCE				9-13		26-30		14-18		9-13		24-28
Nuc 300	31-	-4			27-	-2		7-11			27-31	10-14
Nuc 400		30-	-1		1-2				20-21			
NSW MTT	11-14		5-9		6-10	1-2	23-27		25-29		6-10	
Blocked	3-7											
Holiday	10	24	26	2, 16	20			28		4		3

AIR FORCE NUCLEAR CERTIFICATION PROCESS COURSE

Class Length
2 Days;
1 Day; ½ Day

Scheduled FY12 Dates:

02-03 Nov 12
15-16 Feb 12
30-31 May 12
15-16 Aug 12

Tentative FY13 Dates:

07-08 Nov 12
27-28 Feb 13
22-23 May 13
21-22 Aug 13

Course Number:
ETMS: CKVNUC0000100SU; MIL PDS Code: CIA (In-Resident Cours)
ETMS: CKVNUC0000400SU; MIL PDS Code: XW2 (Non-Resident Course)
ETMS: CKVNUC0000200SU; MIL PDS Code: ORV (Non-resident Exec Seminar)

Synopsis
This course provides attendees with an understanding of the Air Force Nuclear Certification Process as prescribed by AFI 63-125, Nuclear Certification Program. It identifies and defines and explains the four phases of the certification process, the two major elements of Certification (Design Certification and Operational Certification) and their components. The course provides a practical discussion on the development, submittal, and approval process for the Nuclear Certification Impact Statement (NCIS) and the Certification Requirements Plan (CRP) (NOTE: An on-site Road Show (Mobile Training Team) version of the Certification Process course (6-8 hours) and an executive seminar (1- 4 hours) are offered upon request, based on instructor availability and funding.)

Objectives
- Identify, define and explain the Air Force Nuclear Certification Process certification process
- Understand why nuclear certification is important
- Understand how the nuclear certification process works
- Understand the purpose and functions of the Master Nuclear Certification List (MNCL)

Format
Facilitated discussions and lectures supported by case study exercises and video presentations

Who Should Attend
This course is open to government personnel who need to understand current nuclear certification process guidance and implementation, to include program mangers, system product managers, single managers, equipment specialists, item managers at product and logistics centers, plans, requirements, and logisticians personnel, operations and maintenance personnel at field , NAF, MAJCOM and HQs AF levels. All grade levels are welcome, but we recommend that personnel be in grade levels GS-5, E-5, O-1 or higher.

Course Classification
Unclassified

Appropriate Dress
Military: As directed by the individual's service
Civilians: Business casual.

For the latest course information,you may contact the course registrar at the Air Force Nuclear Weapons Center (AFNWC) 498th Nuclear Systems Division /Education & Training Section (498 NSW/NWASE) at DSN 246-7784.

Air Force Nuclear Certified Equipment Users Course

Class Length
1 Day;
8 Hours

Scheduled Dates:

Please contact the AFNWC Course registrar for in-resident class date information and MTT

Course Number:
ETMS: CKVNUC00006006U; MILPDS: Pending

Synopsis
The Air Force Nuclear Certified Equipment (NCE) Users Course is designed to enhance Air Force Nuclear Surety by increasing awareness of the responsibilities and requirements for personnel who operate, maintain, and manage NCE. This course is designed to help field users and other personnel become familiar with the basics of handling, managing, and reporting NCE. The course will provide familiarization with elements of the NCE Management Program and enhance attendee's knowledge and understanding of how to use the Master Nuclear Certification List. (NOTE: This course will be offered at least 2 times a year at the Air Force Nuclear Weapons Center, Kirtland AFB NM. Please contact the AFNWC course registrar for dates.) (NOTE 2: An on-site Road Show (Mobile Training Team) version of the Nuclear Certified Equipment Users course is offered upon request, based on instructor availability and funding.)

Objectives
- Understand the requirements and responsibilities for the management of NCE
- Understand how to use the Master Nuclear Certification List
- How to use the Master Nuclear Certification List
- Determining NCE serviceability and certification status,
- Requirements for deficiency reporting on NCE

Format
Facilitated discussions and lectures supported by class exercises.

Who Should Attend
Unit/NAF/MAJCOM personnel responsible for handling, managing, or using nuclear certifed equipment (NCE), or engaged in managing/monitoring NCE as proxcribed in AFI 63-125

Course Classification
Unclassified

Appropriate Dress
Military: As directed by the individual's service.
Civilians: Business casual.

For the latest course information,you may contact the course registrar at the Air Force Nuclear Weapons Center (AFNWC) 498th Nuclear Systems Division /Education & Training Section (498 NSW/NWASE) at DSN 246-7784.

Nuclear Fundamentals (Nuclear 200)

Class Length
4 Days;
36 Hours

Scheduled Dates:

25-28 Oct 11
13-16 Dec 11
10-13 Jan 12
13-16 Mar 12
10-13 Apr 12
01-04 May 12
05-08 Jun 12
18-21 Sep 12

Tentative FY13 Dates:

16-19 Oct 12
04-07 Dec 12
08-09 Jan 13
19-22 Mar 13
23-26 Apr 13
18-21 Jun 13
23-26 Jul 13
24-27 Sep 13

Course Number:
Nuclear 200

Synopsis
This four day in-residence course is designed to enhance awareness among Airmen of the USAF nuclear mission; the course covers nuclear weapon fundamentals, force structure, nuclear stockpile guidance and planning, the DoD/AF nuclear surety program, the nuclear community, and current issues related to the USAF's nuclear mission. The focus of this course is an 'overview' of the entire nuclear enterprise for individuals that have completed at least one operational nuclear assignment and will stay core nuclear for most of their career or for support function/AFSCs assigned to a nuclear unit in a supervisory or commander position and this is their first nuclear mission assignment.

Objectives
- Provide a broad overview of the nuclear enterprise and create a standard frame of reference across the Air Force within which to explore the USAF's nuclear mission, capabilities, and issues
- Describe and discuss the Air Force nuclear mission, force structure, policies, and challenges
- Comprehend the Air Force nuclear surety program
- Explore the relationships between the DoD, Air Force, and DOE/NNSA within the nuclear weapons complex

Format
Facilitated discussions and lectures supported by video presentations and a classified tour of the DTRA Nuclear Weapons Instructional Museum (NWIM).

Who Should Attend
- Airman identified as core nuclear E6-E7, O3-04
- Airman in support roles/non-core nuclear billets assigned to a nuclear unit/job for the first time in a supervisory or decision making role E7-E9, O3-O6
- Attendance is controlled by MAJCOM quota allocations. For MAJCOM POC Information, please contact the Nuclear College Registrar or Course Manager

Course Classification
Secret/CNWDI

Appropriate Dress
Military: As directed by the individual's service.
Civilians: Business casual.

For the latest course information, contact the coure registrar at the Air Force Nuclear Weapons Center (AFNWC) 498th Nuclear Systems Division /Education & Training Section (498 NSW/NWASE) at DSN 246-7784.

Advanced Nuclear Concepts (Nuclear 300)

Class Length 5 Days; Class Length 40 Hours; *

Scheduled Dates:

31 Oct -
- 04 Nov 11
27 Feb -
-02 Mar 12
7-11 May 12
27-31 Aug 12
10-14 Sep 12

Tentative FY13 Dates:

11-15 Feb 13
13-17 May 13
27-31 Aug 13
16-20 Sep 13

Course Number:
Nuclear 300

Synopsis
The focus of this course is for individuals who are at the 9+ year point working in the nuclear enterprise. They are 'core nuclear' and going to a position where they will be setting nuclear policy, procedures, etc. within their functional areas. Normally at the NAF Division Chief level, MAJCOM Branch Chief level or HAF/Joint 04 AO level or higher. Also, for nuclear AFSC Sq/CCs that for some reason have not attended before selection for command.

Objectives
- Nuclear History and Lifecycle
- Nuclear Effects and Surety
- Nuclear Policy/Strategy
- The US Nuclear Enterprise
- Nuclear Incident Responses, Nuclear Museum and Stockpile Maintenance

Format
Facilitated discussions and lectures supported by video presentations and a NWIM tour at the Secret/CNWDI Level.
* Optional Nevada Test Site tour and briefings add 3 additional days.

Who Should Attend
- E8-E9, O4-06 NAF/MAJCOM/HAF AO's; O4-O5 Squadron Leadership

Course Classification
Secret/CNWDI

Appropriate Dress
Military: As directed by the individual's service.
Civilians: Business casual.

For the latest course information,you may contact the course registrar at the Air Force Nuclear Weapons Center (AFNWC) 498th Nuclear Systems Division /Education & Training Section (498 NSW/NWASE) at DSN 246-7784.

Senior Leader Nuclear Management (Nuclear 400)

Class Length
2 Days;
16 Hours

Scheduled Dates:

30 Nov-
-1 Dec 11
1-2 Feb 12
20-21 Jun 12

Tentative FY13 Dates:

20-21 Feb 13
28-29 Aug 13

Course Number:
Nuclear 400

Synopsis
The focus of this course is for senior leaders who are either a) working internal to the nuclear enterprise and are usually post Sq/CC command in an O6 level HAF/MAJCOM 3 ltr billet or E9 in similar functional expert billet; b) Flag Officers and SESs that have nuclear responsibilities anywhere in their portfolio of responsibilities.

Objectives
- Nuclear Policy, Doctrine and Deterrence Strategy
- Nuclear Landscape, Arms Control and USAF Nuclear Enterprise
- US Nuclear Weapons Stakeholders

Format
Facilitated discussions by senior leader in the nuclear enterprise and lectures supported by video presentations and a NWIM tour at the Secret/CNWDI Level.

Who Should Attend
- GO's with nuclear portfolios
- NAF/MAJCOM/HAF Directors O6-O9

Course Classification
Secret/CNWDI

Appropriate Dress
Military:
As directed by the individual's service.

Civilians: Business casual.

For the latest course information,you may contact the course registrar at the Air Force Nuclear Weapons Center (AFNWC) 498th Nuclear Systems Division /Education & Training Section (498 NSW/NWASE) at DSN 246-7784.

III Information Analysis Resources

Defense Threat Reduction Information Analysis Center

Core Activities

Core Activities are fully funded (by DTRA) to qualified users, and include maintenance of the information databases, services, and technical inquiries. This includes:

- Maintain and grow the DTRA S&T knowledge base – over 3 million documents, film, stills, drawings, and engineering data
- Provide access to the DTRA S&T knowledge base via remote on-line access to the collection
- Respond to Technical Inquiries of less than 8 hours

Technical Area Tasks

Technical Area Tasks (TAT) are separately funded work efforts over and above the core activities. TATs may be ordered by any U.S. Government agency. TATs require additional funding and can include:

- In-depth analysis
  - Independent in-depth work efforts that fall within the DTRIAC mission
  - State of the Art Reports and technology assessments
  - Data compilation and comprehensive assessments
  - Analyses of specific technical problems
- Information fusion
  - Knowledge management
  - Data mining, capture, and classification
  - Reachback and lessons learned
  - Database development and maintenance
- Support conferences, meetings, working groups, and symposia
- Develop information products, i.e., handbooks, brochures, newsletters, journals, websites, online training programs.

DTRIAC Products

DTRIAC holdings are the largest of all the DoD IACs. While under the Defense Nuclear Agency the DTRIAC, then known as DASIAC, focused mainly on the Radiological and Nuclear components of CBRN. When DTRA formed in 1998, DTRIAC expanded it holdings to support all of DTRA's mission areas and has increased it holdings of CBRNE information and data.

DTRIAC information is in various formats. Our Media Collection includes most the nuclear testing films starting with Crossroads in 1946 as well as various other films totaling over 20,000 rolls. DTRIAC also has video tapes of more recent testing and over 2 million pictures. We have raw data from various tests, project officers' reports on nuclear testing, and Scientific and Technical (STI) reports produced by DTRA. The following is a listing of general topics held:

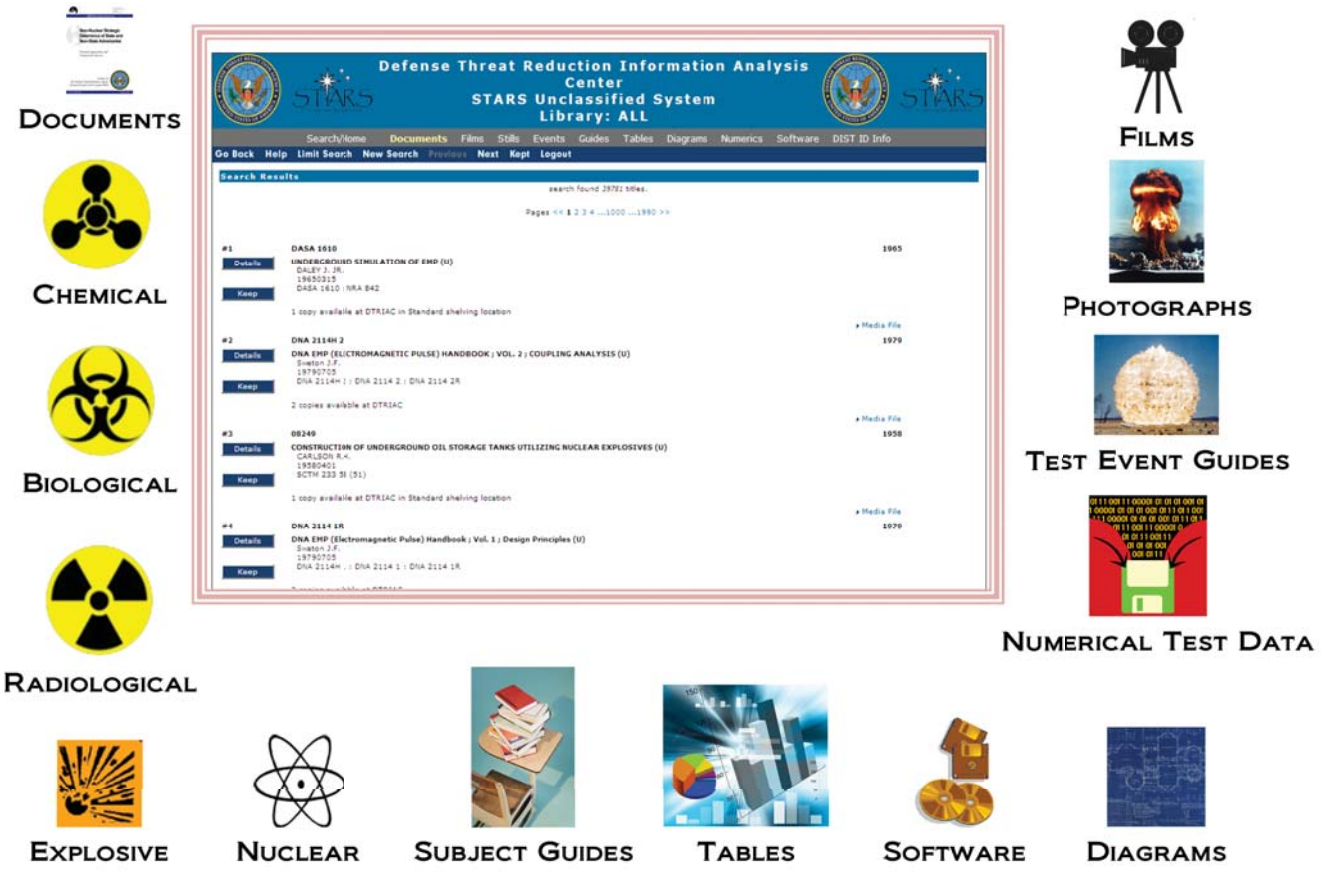
- Weapon output such as Thermal Radiation, Prompt Neutrons and X-rays
- Phenomenology such as Fireball, Fallout and Radioactivity, and EMP Effects
- System vulnerability and hardening such as Aircraft and Naval Systems
- Component vulnerability and hardening such as Electronic Subsystems and Underground Structures
- Biological hazards and protection such as Animal-Life and Plant-Life Effects
- Nuclear warfare such as General Nuclear War and Theater Nuclear War
- Peaceful applications and nuclear power
- Non-nuclear warfare and systems
- Nuclear RDT & E such as Simulation, Facilities, and Techniques; and Nuclear and Simulation Field Programs
- Weapon Information
- Environmental Impact Statements, Assessments, Supporting Data
- Nuclear Weapon Detonation Detection and Monitoring
- Geophysical studies such as general atmospheric properties
- Engineering, physics, and chemistry such as Material Properties and Nuclear Physics and Chemistry
- Shielding and Cross Sections

Defense Threat Reduction Information Analysis Center

- Chemical topics such as Environments, Agents, Warfare, and Fuels
- Chemical Toxins, Solvents, and Vapors
- Chemical protective equipment on battlefield
- Biological topics such as Agents and Warfare
- Bacteria and Bacterial toxins, Fungi and Viruses
- High Yield Explosives and associated Phenomena such as Blast, Shock, and Overpressure
- Types of and Destructive power of various explosives
- Journals, Periodicals and Special Collections include:
  - Armed Forces Radiobiological Research Institute (AFRRI)
  - IEEE Transactions on Nuclear Science
  - Plowshare Project
  - Quick Look reports
  - And others
- Technical Manuals:
  - Effects of Nuclear Weapons by Samuel Glasstone
  - Handbook of Nuclear Weapon Effects by John Northrop
  - And others

Use of your STARS account will allow access to these as well as other holdings. If a reference is not yet digitized, DTRIAC will digitize and bookmark the publication then provide the requestor with a CD of requested information.

STARS



Defense Threat Reduction Information Analysis Center

Scientific & Technical Information Archival and Retrieval System

STARS is DTRA's online searchable database containing information that supports DTRA's mission, such as documents, photographs, diagrams, numeric data, software, and videos.

STARS is comprised of two systems, each with its own userid and password. The unclassified system (STARS-U) is a subset of the overall digitized information and is accessible via the UNET/Internet. Access is possible with the use of a government issued CAC or special SecureID token (which is provided upon getting an account) while the classified system (STARS-C) contains 100% of the digitized information and is accessible via the SNET/ SIPRNET.

DTRIAC's holdings in STARS include over three million pages with over 400,000 titles indexed by both author and title. STARS also holds in excess of 46,000 data sets and 3,000 pictures.
DTRIAC is actively adding digital files from its aging film library as the efforts to preserve and digitize these irreplaceable assets continue. In addition to the documents, databases, films and photos, STARS has other tools to assist the researcher, such as:

- Events: An event is a test event summary of a weapons or high explosive test. It brings all the related information into single screen to allow detailed research.
- Guides: Guides provide information on a specific subject area (e.g., special-weapons effects testing, phenomena, test methods, operations, events, facilities, organizations, data systems).
- Tables: A table is a set of alphanumeric or numeric data values organized in rows and columns. Examples include data from spreadsheets or databases.
- Diagram: Consist of items such as blueprints, schematics and engineering drawings.
- Numerics: Numeric data is a digital representation of engineering or science data. Examples include wave form data recorded from an event or simulation, calibration data, and calculated results.

STARS
STi Archival and Retrieval System

REQUESTING A STARS ACCOUNT

To request a STARS account, contact the STARS Account Administrator at (505) 853-0854, DSN 263-0854 or via e-mail, DTRIAC@dtra.mil. Requirements for an account are: a visit request must be on file with DTRA Security, have a minimum of a confidential clearance (for STARS-U) or higher (for STARS-C), and have a DTRA sponsor (non-DTRA accounts only). Individuals interested in conducting research or writing journal articles can annotate this stipulation on their application. DTRA publishes an on-line journal (see page 80 for details) which accepts manuscripts on a wide range of WMD-related topics.

Defense Threat Reduction Information Analysis Center

Who We Serve

DTRIAC services are available to all U.S. organizations having a need-to-know, certified by their government Located contract sponsor, and registered with Defense Logistics Information Services (DLIS) to receive export-controlled data. In order to take advantage of our archives, you must be, or sponsored by, a U.S. government organization, have a DLIS number or have the permission of DTRA.

Visiting DTRIAC

A visit will be most productive if planned. Members of DoD or DOE should contact DTRIAC directly. Government contractors should call their contracting officers to coordinate a visit. All other visits require DTRA approval in advance. Be sure to specify your technical query, issue or problem and type of assistance desired in advance of your visit. E-mail: DTRIAC@dtra.mil

STI Support Center

Located in the DTRC in room 3880 is the STI Support Center that provides ready access to DTRA personnel in the NCR. Access to both STARS systems is available. In addition, Research Assistants are on hand to help direct and refine inquiries.

Contact Us

All public and media inquiries should be directed to the Defense Threat Reduction Agency Office of Public Affairs:
Voice: (703) 767-5870
Fax: (703) 767-4450
Toll-free: (800) 701-5096
DSN: 427-5870
Email: dtra.publicaffairs@dtra.mil

DTRA/DTRIAC Government Program Manager
(505) 846-2071
DSN 246-2071

DTRA/DTRIAC Contracting Officer Representative (COR)
(505) 853-0644
DSN 263-0644

DTRIAC ITT-AES Program Manager
(505) 853-1789
DSN 263-1789
Email: DTRIAC@dtra.mil

INDRAC

Another DTRA Knowledge Management Tool is INDRAC -- A Web-based Reference Tool Addressing U.S. Government Combating Weapons of Mass Destruction (WMD) Responsibilities, Authorities, and Capabilities. The Interagency Combating WMD Database of Responsibilities, Authorities, and Capabilities (INDRAC) system is an interactive strategic level reference resource database (i.e. "Jane's for Combating WMD") of U.S. Government (USG) Departments and Agencies respective combating WMD (CWMD) responsibilities, authorities and capabilities. A nascent International capabilities reference is also available. A suite of online tools enables authorized users to search for and display information – both textually and graphically. An online document library, glossary, user help and user feedback tools, as well as system-wide statistics on data content, availability and usage are also available. INDRAC was not designed as a Global Force Management tool; it does not assess readiness or replace existing tasking processes or procedures. Instead, INDRAC serves as a strategic reference resource to inform operations and to serve as an aid to planning, advocacy, training and exercises to the USG CWMD community. All data content and associated functionality is based on information contained in each of approximately 1800 USG-wide INDRAC organizational records. A record includes authorities that assign CWMD responsibilities to the organization, what those responsibilities are, and what CWMD capabilities the organization has to fulfill its responsibilities (Fig1).

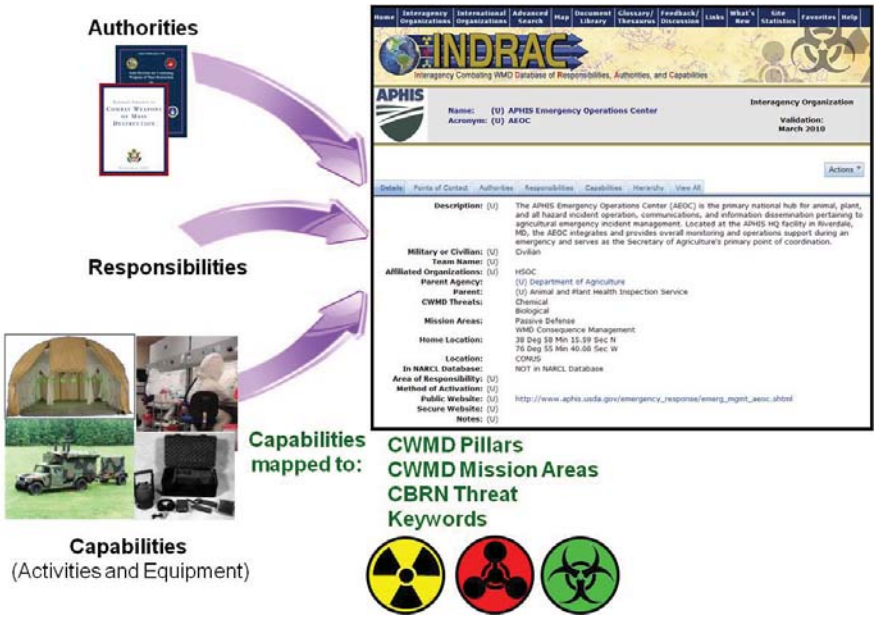


Figure 1. Example INDRAC organization record and content as contained within 5 principal tabs: Details (shown above), Points of Contact, Authorities, Responsibilities and Capabilities – both activities and equipment – are mapped to CWMD Pillars, Mission Areas, CBRN threats, and Keywords.

The INDRAC system is operated by the Defense Threat Reduction Agency and U.S. Strategic Command Center for Combating WMD. A key milestone was the National Security Council's endorsement of INDRAC for use by all USG Departments and Agencies as the CWMD reference resource system. The INDRAC-Team works continuously to improve and enhance system content and functionality. For additional information contact INDRAC-Team@dtra.mil or INDRAC-Team@dtra.smil.mil and access the system directly at http://indrac.dtra.mil and indrac.dtra.smil.mil.

SCOPE

The Defense Threat Reduction University Journal is a semi-annual, on-line, peer-reviewed, professional journal. It invites articles covering a variety of Chemical, Biological, Radiological and Nuclear (CBRN) topics with particular attention to matters relating to Radiological and Nuclear weapons.

The DTRU Journal provides a peer-reviewed forum for scientific research and analysis, which fosters a comprehensive understanding of past, present and emerging CBRN threats. The DTRU Journal seeks to include articles from a variety of academic disciplines and cultural backgrounds. Articles may adopt theoretical, empirical, or historical approaches. The DTRU Journal also provides visibility for innovative approaches to threat reduction and offers professional discussions of topics relating to CBRN.

FOCUS AREAS

The DTRU Journal publishes articles ranging across six generalized areas as they pertain to radiological and nuclear topics:

– Proliferation
– Counter-proliferation
– Consequence Management
– Policy and Doctrine
– Training and Exercises
– Research and Development

Scholarly reviews of books, conferences, and new technologies relating to countering weapons of mass destruction are also encouraged.

The DTRU Journal appears online with publications due out in February and September and is available to a worldwide audience at http://www.dtra.mil/SpecialFocus/WMDEdu.aspx.

Articles can be downloaded in PDF format.

Guidelines for Contributors

Authors wishing to offer an article for consideration by the DTRU Journal should submit the initial draft, as an MS Word to DTRUJournal@dtra.mil.

Full articles should normally be between 4,000 and 8,000 words in length. Shorter articles, normally 1,000 to 2,000 words, are also welcome. All papers must be previously unpublished and all received articles will be considered but must not be under concurrent review for possible publication elsewhere.

Also required for submission are:
– Title page to include the affiliations and full addresses of all authors
– Article abstract (max 200 words)
– Author Biography (max 100 words)
– Five key words for indexing purposes

All submissions will be peer-reviewed by at least three subject-matter experts. Recommendations will come from those subject-matter experts for the author(s) to consider.
For more detailed guidelines on article submission, please refer to our website.

IIII Administrative Items, Forms, and Maps

Basic DNWS Registration and Administration Information

Online Information for DNWS

Information on the DNWS is available via two different avenues depending upon your access. The DNWS web site is restricted to DoD and other Federal and State agencies coming from .mil or .gov domains only. If you have this access, please click on the link provided for additional information (https://dnws.abq.dtra.mil/). If you are attempting to access information from any other domain, you can find basic information about the DNWS at the DTRA Homepage (http://www.dtra.mil/SpecialFocus/WMDEdu.aspx).

Site Access

If you encounter issues accessing the DNWS web site, and you are coming in from a .mil or .gov domain, you may need to clear your SSL Slate. To do this, open Internet Explorer, Tools, Options, Content. Select the Clear SSL Slate in the middle-left of the page. Close Internet Explorer then re-open and attempt the site again.

How to Register

Basic Information

The DNWS Registrar's Office has gone to great lengths to standardize and automate the registration process for each class. Because of this, every potential student must complete a 2-Step process to register for any course. Step 1 requires you to request access to the DNWS Student Learning Management System (LMS). Upon approval into the DNWS LMS, potential students must then complete Step 2, the Course Registration Form. If you are a returning student, only Step 2 is required.

Step 1

For Prospective Students, click on the link provided (https://dnws.abq.dtra.mil) and then select the "Student Area" tab. Please follow the on-screen instructions and complete the Site Access Form in its entirety and then "Submit". Upon receipt at the Registrar's Office, the form will be evaluated and approved as soon as possible.

Step 2

On-line Course Registration

Upon receipt of your DNWS LMS User ID and password, click on the link provided (https://dnws.abq.dtra.mil) and then select the "Student Area" tab. Enter your User ID and password in the spaces provided and click the "Log In" tab. You will be taken to your Student Summary where at this point, you can review your transcript, update your profile, or review/sign-up for new classes.

Each Organization/Service has a designated Quota Manager assigned. To make a reservation for any DNWS course, please contact the appropriate Quota Manager for your Organization/Service (see page 16 of the catalog for a current listing of Quota Managers). The majority of quotas for DNWS courses are based on organizational requests however, many classes have open seats. These non-allocated quotas are considered on a first come – first serve basis and open to any authorized student.

If registering for a classified course, additional information will be required. Because security clearance data verification is required, the form must be printed and endorsed by your organizational security office. Once the clearance information has been coordinated, the form can be sent to the DNWS Registrar's Office via Email, Fax, or Regular Mail. It is imperative that the security clearance information be received at the DNWS Registrar's Office a minimum of 15 working days before the class start date. Anything under that timeframe and you run the risk of not being approved to attend the desired course.

Email - DNWS@dtra.mil

Fax - Comm: (505) 846-9168
DSN: 246-9168

Mail - Defense Nuclear Weapons School
Attn: Registrar's Office
1680 Texas St. SE
Kirtland AFB, NM 87117-5669

Registering without Internet access

Contact your organizational Quota Manager to obtain a reservation for a DNWS course (page 16 for the most current listing of quota managers). After obtaining a seat in the desired course, complete the DNWS Course Registration Form on page 85 of this catalog, including security access information, if applicable. Security clearance information is required for all classified courses. Section II of the DNWS Course Registration Form must be completed and verified with appropriate endorsements. Once complete, the form can be sent to the DNWS Resistrar's Office via Email, Fax, or Regular Mail.

JEIRRC & JNEODC Special Requirements

All DoD personnel are required to submit the DOE Form 5631.20 in order to gain access to DOE facilities on Kirtland AFB for the Joint Nuclear Explosive Ordnance Disposal Course (JNEODC) and Joint Explosive Ordnance Disposal Improvised Nuclear and Radiological Dispersal Device Recognition Course (JEIRRC).

Department of Energy (DOE) Personnel Requirements

All DOE personnel must submit DOE Form 5631.20 via their appropriate channels to register for any course. The DOE Form is on page 88 of the catalog.

Enrollment Confirmation

Enrollment confirmation will be automatically generated from the DNWS LMS to prospective students via e-mail upon receipt of a completed DNWS Course Registration Form and/or DOE Form 5631.20, as appropriate. To ensure receipt of confirmation and other information, an unclassified e-mail address must be provided on the registration form. The DNWS Registrar's Office, as well as the DNWS web site (https://dnws.abq.dtra.mil/), will keep students apprised of changes in class dates, times, and/or location. If confirmation is not received at least 1 week prior to the class start date, please call the DNWS Registrar's Office main line at (505) 846-5666 or DSN 246-5666, Monday - Friday, 0730–1630, Mountain Standard Time.

Security Issues

DNWS

All personnel entering the DNWS are required to show valid identification at the security desk. As previously noted, specific courses may require a security clearance and some require special access. Each DNWS course has individual security requirements specific to that program and are noted in the course descriptions within the catalog.

Clearance and access information for DoD personnel is submitted by using the DNWS Course Registration Form (page 85). DOE personnel must use the DOE Form 5631.20 (page 88). Two courses within DNWS (JEIRRC & JNEODC) require DoD personnel to complete both the DNWS Course Registration Form and the DOE Form 5631.20. Please see that requirement on the "How to Register" section.

Security clearance information must be received by the DNWS Registrar's Office a minimum of 15 working days prior to class start date.

Electronic Equipment

Internet access at the DNWS is available for students on a limited basis. The base library is available Monday through Thursday from 1000 to 1900, Fridays from 1000 to 1700, and Saturdays from 1300 to 1700, and can facilitate internet access for your convenience. Telephone lines, with DSN access, are available for students to make and receive official telephone calls.

Security procedures prohibit bringing cellular telephones, pagers, personal digital assistants, cameras, thumb drives, or laptop computers into the school.

Other DTRA Courses (Hosted)

Specific instructions will be provided in the course invitation message.

Billeting/Transportation/Dining

Billeting on Kirtland AFB NM

Individuals attending courses at the DNWS are responsible for their own billeting arrangements. Reservations for military personnel and Federal employees can be made by contacting the Kirtland AFB Billeting Office (Kirtland Inn) at 505-846-9653 or DSN 246-9653 (FAX 505-846-4142 or DSN 246-4142).

Military personnel of the rank of O-6 or above and civilian personnel at grade GS-15 or above should contact the Kirtland AFB Protocol Office at 505-846-3894 or DSN 246-3894. The Kirtland Inn will accept reservations on base, if space is available. If space is not available, students must make reservations at a local hotel (at the government contract rate). Approximately 95 percent of students are housed off base so all students should come to DNWS under full per-diem or plan to pay out-of-pocket expenses, as necessary. The Kirtland Inn is the only agency that can issue statements of non-availability, and only if billeting arrangements have been made through their office.

Arrival to Kirtland AFB NM

A visitor pass to enter Kirtland AFB may be necessary. Individuals should plan accordingly and arrive at the Kirtland AFB Visitor's Center located at the Gibson Gate at least 45 minutes prior to class start time on the first day of class.

To obtain a visitor's pass on Kirtland AFB enter at the Truman Gate and proceed to the Visitor Center, please ensure you have: a military or government identification card, a valid driver's license, proof of insurance, and vehicle registration, or a rental agreement.

For your safety, please remember to observe all posted speed limits. Additionally, hands-free cell phone usage and seat belts are requirements while driving on Kirtland AFB and the surrounding area.

Transportation to Kirtland AFB NM

Kirtland AFB has limited taxi/transportation services. The Albuquerque International Airport is approximately 5 miles from the DNWS. On-base billeting is approximately 3 miles from the DNWS. A rental car is highly recommended.

Dining at Kirtland AFB NM

All students are responsible for their own meals and should come to DNWS under full per-diem. Ample time is afforded to each student for meals. Kirtland AFB has several different options when it comes to meals and they are all located within a few miles of the school. These include an award-winning military dining facility, Main Exchange Food Court, Bowling Alley, Golf Course, McDonald's, and several other facilities just outside the base.

National Capital Region

Billeting in the National Capital Region (NCR) and Ft Belvoir, VA

Individuals attending one of the courses held in the NCR are responsible for their own billeting arrangements. Students should come to the NCR under full per-diem or plan to pay out-of-pocket expenses, as necessary.

Arrival into the NCR (See pages 92 to 94 for NCR maps)

Despite the fact that the majority of courses are taught at facilities outside a military base, students may want to visit one of the local military facilities. To do so, a visitor pass may be necessary. To obtain a visitor's pass, proceed to the Visitor Center, please ensure you have: a military or government identification card, a valid driver's license, proof of insurance, and vehicle registration, or a rental agreement.

For your safety, please remember to observe all posted speed limits. Additionally, hands-free cell phone usage and seat belts are requirements while driving within the NCR and surrounding area.

Transportation within the NCR

The NCR has unlimited taxi/transportation services; however, it is expensive. There are two International Airports within the NCR. These are Ronald Reagan Washington National (DCA) and Washington Dulles International (IAD). They are approximately 10-20 miles from the Instruction Sites depending upon which airport you arrive and which course you are taking. A rental car is highly recommended.

Dining within the NCR

All students are responsible for their own meals and should come to the NCR under full per-diem. Ample time is afforded to each student for meals. The NCR has several different options when it comes to meals and they are all located within a few miles from the Instruction Sites.

DEFENSE THREAT REDUCTION AGENCY
COURSE REGISTRATION

**** For official use only. Privacy Act of 1974 applies ****

PRIVACY ACT STATEMENT

Authority: 5 USC 301, Departmental Regulations; 5 USC 4103, Establishment of Training Programs; 10 USC 1701, Management Policies; EO 11348, Providing for the further training of Government employees; 5 CFR part 410, Office of Personnel Management-Training; and EO 9397 (SSN).
Purpose(s): To determine applicant eligibility, as a record of attendance and training completion or elimination, as a locator, and a source of statistical information.
Routine Use: Records may be disclosed outside the DoD as permitted under 5 USC 552a(b) of the Privacy Act to officials and employees of Government Agencies in the performance of their official duties related to training requirements and certification, screening and selection process to state and local Agencies to track, manage, and report on training and certification; also includes the DoD "Blanket Routine Uses."
Disclosure: Voluntary; however, failure to provide the information may tender applicant ineligible to enroll in the course.

INSTRUCTION: To register for one of our courses, please ensure this form is fully completed and forward to: DTRA, DNWS Registrar, 1680 Texas St SE, KAFB, Albuquerque, NM 87117-5669. You may also fax this form to commercial (505) 846-9168 or DSN 246-9168. Department of Energy (DOE) personnel must also fill out DOE Form 5631.20 to register. Registration and security clearance data must be received a minimum of 15 working days prior to class start date.

APPLICANT INFORMATION

NAME (Last, First, MI)		RANK / GRADE	SSN (Full SSN Required
SERVICE	AGENCY	DUTY TITLE	

UNIT MAILING ADDRESS (Organization, Street Number, Street Name, Installation or City, State, and Complete ZIP Code)

UNCLASSIFIED WORK E-MAIL ADDRESS (REQUIRED)	DUTY PHONE DSN: Comm:	FAX NUMBER DSN: Comm:

SUPERVISORY POC (Enter name, e-mail, and telephone number (including area code) and name of individual who can be contacted after normal duty hours in the event of an emergency.

SUPERVISOR'S NAME (REQUIRED)	SUPERVISOR'S E-MAIL (REQUIRED)	SUPERVISOR'S TELEPHONE NUMBER (REQUIRED)

COURSE INFORMATION

COURSE TITLE / NUMBER	CLASS START DATE	CLASS END DATE

SECURITY CLEARANCE AND SPECIAL ACCESS – To be completed by Security Office Personnel

Some courses may require a security clearance and other special access. Refer to course descriptions for prerequisites. Security clearance must be received by the DNWS Registrar no later than 15 working days prior to class start date. To tour the NWIM, all students / visitors are required to have a DoD secret-level clearance with restricted data (RD) or critical nuclear weapons design information (CNWDI) access, or a DOE "Q" clearance with Sigmas 1-5. DOE personnel must use DOE Form 5631.20 to submit clearance information.

PLACE OF BIRTH:	DATE OF BIRTH:	CITIZENSHIP:

FOREIGN NATIONALS: Please provide your PASSPORT NUMBER here:

APPLICANT'S CLEARANCE LEVEL PLEASE ANNOTATE: S = SECRET TS = TOP SECRET Q = DOE TOP SECRET	DATE OF CLEARANCE
ACCESS – CHECK AUTHORIZED ACCESS ☐ NONE ☐ SIGMAS 1-5 ☐ RESTRICTED DATA (RD) ☐ CNWDI	ACCESS DATE

I certify that the above-named applicant requires access as indicated in this document in the performance of duty and that permitting such access will not endanger command defense and security.

SECURITY MANAGER'S TYPED OR PRINTED NAME	DUTY PHONE

SECURITY MANAGER'S SIGNATURE	SECURITY MANAGER'S UNCLASSIFIED E-MAIL ADDRESS	DATE

DTRA FORM 34 (JUN 10)

Request Letter to DNWS
for
Mobile Training Team Course

Your Organizational Letterhead

MEMORANDUM FOR DTRA ONUID
ATTN: Registrar's Office
1680 Texas St SE
Kirtland AFB, NM 87117-5669

SUBJECT: Request for Mobile Training Team (MTT) Visit

1. Request MTT visit. The following information is provided:

a. Course Requested: ***(Name and course number)***
b. Requesting Organization: ***(Your organization's name and location)***
c. Expected Audience: ***(Background of audience and number of students)***
d. Requested Time Period: ***(Provide several dates, if possible)***
e. Equipment Available to Support Training: ***(Your home station's assistance is appreciated)***
f. Point of Contact / Resource Management Liaison: ***(Provide POC to act as liaison between your organization and the DNWS staff for accounting purposes, etc.)***
g. Other: ***(Address other specifics as required by the course, such as special clearances)***

2. My organization accepts responsibility for ensuring all personnel projected to attend the MTT have proper security clearances and access to the MTT course. A consolidated list of students, to include full name, rank, social security number, and security clearance will be provided to the instructor(s) before the course begins.

3. My organization accepts responsibility for all expenses associated with this MTT, including travel-related costs. Furthermore, we agree to provide administrative support as required. Funding and travel-order authorization letter for MTT will be forwarded to the DNWS NLT 15 working days prior to class start date.

4. We understand that approval of this request is based upon DNWS course and duty schedules.

5. Direct questions regarding this request to (POC and duty phone).

Signature Block

Funding Authorization Letter to DNWS for Mobile Training Team Course

Your Organizational Letterhead

MEMORANDUM FOR DTRA ONUID
ATTN: Registrar's Office
1680 Texas St SE
Kirtland AFB, NM 87117-5669

SUBJECT: Funding and Travel-Order Authorization for Mobile Training Team (MTT) Visit

1. Expenses are authorized for (Names of DNWS Personnel) to include but are not limited to transportation, billeting, meals, and car rental, as well as any other expenses authorized by the Joint Federal Travel Regulations.

a. Fund Cite:
b. Not-to-exceed amount for travel:

2. DNWS will prepare the DD 1610, *Request and Authorization for TDY Travel of DoD Personnel*, and will cite the requestor funds as outlined in the letter of authorization.

3. Upon return from TDY, the traveler will prepare the DD Form 1351-2, *Travel Voucher or Subvoucher*, and send to DNWS finance who will forward to the requesting agency for payment through the Defense Travel System (DTS).

5. POC is ____ and duty phone is ____.

Signature Block

DOE Form 5631.20, "Request for Visit or Access Approval"
Use for enrolling in JEIRRC or JNEODC

DOE F 5631.20
(7/90)
Formerly DP-277
EFG (7/90)

U.S. DEPARTMENT OF ENERGY
REQUEST FOR VISIT OR ACCESS APPROVAL
(Not to be used for temporary or permanent personnel assignments.)

OMB Control
No. 1910-1800
BURDEN
DISCLOSURE
STATEMENT ON
REVERSE OF PART 5

To:

PART "A"

Date:
Prepared by:
Symbol:
From: **Telephone No. - Commercial**
Fax:

It is requested that the following person(s) be granted visit/access approval:

LAST NAME, FIRST, MIDDLE INITIAL AND SOCIAL SECURITY NUMBER	CHECK U.S. CITIZEN	CHECK ALIEN	DATE OF BIRTH	ORGANIZATION	TYPE CLEARANCE	CLEARANCE NO.	DATE OF CLEARANCE
	☐						

NAME OF FACILITY(IES) TO BE VISITED:	FOR THE INCLUSIVE DATES	DOE Security Official Verifying DOE Clearance

FOR THE PURPOSE OF:

TO CONFER WITH THE FOLLOWING PERSON(s):

SPECIFIC INFORMATION TO WHICH ACCESS IS REQUESTED:	Access requested to:
	Restricted Data ☒ **Yes** ☐ **No**
	Other classified info ☒ **Yes** ☐ **No**

Prior arrangements have/have not been made as follows:

CERTIFICATION FOR PERSONNEL HAVING DOD CLEARANCE

This certifies that the person(s) named above needs this access in the performance of duty and that permitting the above access will not endanger the common defense and security.

Authorized access to Critical Nuclear Weapon Design Information (CNWDI) in Accordance with DOD Directive 5210.2 ☒ **Yes** ☐ **No**

Name and Title, Requesting DOD Official

Title, Authorizing DOD Official
(See DOD Directive 5210.2 and 5210.8)

Signature
(See AR 380-150; OPNAV 5510.3F; AFR 2105-1)
By Direction

CERTIFICATION FOR PERSONNEL HAVING DOE CLEARANCE

This certifies that the person(s) named above needs this access in the performance of duty

Title

Requesting DOE or Other Government Agencies

Part "B"

Approval is granted with limitations indicated below:

Manager of Operations/or Headquarters Division Director

PRIVACY ACT INFORMATION STATEMENT

Collection of the information requested is authorized by Section 145 of the Atomic Energy Act of 1954, as amended (PL 83-703, 42 USC 2165). Compliance with this request is voluntary; however, if the information submitted is inadequate or incomplete, approval for your visit to a classified DOE facility, or your access to classified information may be delayed or withheld. The information you furnish will be used by DOE and DOE contractors to control access to classified information and areas.

The social security number is not required for these purposes, but you may voluntary furnish it to assist us in correct identification.

DEFENSE NUCLEAR WEAPONS SCHOOL
Certification Application

For Official Use Only when filled in. Privacy Act of 1974 Applies.

PRIVACY ACT STATEMENT

1. AUTHORITY: 5 USC 301, 302, 4103, and Executive Order 9397
2. PRINCIPAL PURPOSE(S): To report attendance and completion of certification program.
3. ROUTINE USES: To report completion of certification program.
4. DISCLOSURE: Applicants are not required to divulge the personal information requested on this form; however, failure to do so may render the applicant ineligible to participate in the training program, or may result in non-receipt of credit for requested training

INSTRUCTIONS: Please ensure this form is completed and forwarded to the DNWS Registrar, 1680 Texas St SE, Kirtland AFB NM, 87117-5669, or fax to commercial line (505) 846-9168, or DSN 246-9168.

APPLICANT'S INFORMATION

Date:	NAME *(Last, First MI)*	
SSN	**SERVICE**	**RANK/GRADE**

MAILING ADDRESS *(Organization, Street Number, Street Name, Installation or City, State, and Complete Zip Code)*

UNCLASSIFIED WORK E-MAIL ADDRESS	DUTY PHONE NUMBER	DUTY FAX NUMBER
	DSN: Comm :	DSN: Comm:

CERTIFICATE REQUESTED (one per form)	

COURSES THAT FULFILL THE REQUIREMENTS (AS INDICATED IN THE CURRENT DNWS CATALOG)	DATE OF COMPLETION	TAKEN AT DNWS Y/N*

***all non-DNWS courses will require a copy of completion certificate**

The Defense Nuclear Weapons School does not establish training or certification requirements for any organization external to the School. However, an increasing number of organizations accept Defense Nuclear Weapon School certifications as evidence of professional competence and document completion of these certification programs in individual training records. This certification program is designed to establish educational and training criteria relevant to personnel who perform professional roles related to CBRNE Modeling.

Sample NWIM Tour Request Letter

(Use your letterhead, if possible)

FROM: (Your Organization / Office Symbol)

SUBJECT: Request for Tour of the DTRA Nuclear Weapons Instructional Museum (NWIM)

TO: DTRA/DNWS
Registrar's Office
Attn: NWIM Tours
1680 Texas Street SE
Kirtland AFB, NM 87117-5669

Request a tour of the DTRA NWIM be provided for (number) people on (date) from (time) to (time) AM / PM.

It is understood that approval of our initial request is based upon DNWS course / duty schedules and other requirements. Therefore, our alternative request date would be (date) from (time) to (time) AM / PM.

The purpose of this tour is to: (Provide the reason for the request, type of information desired, and need to know).

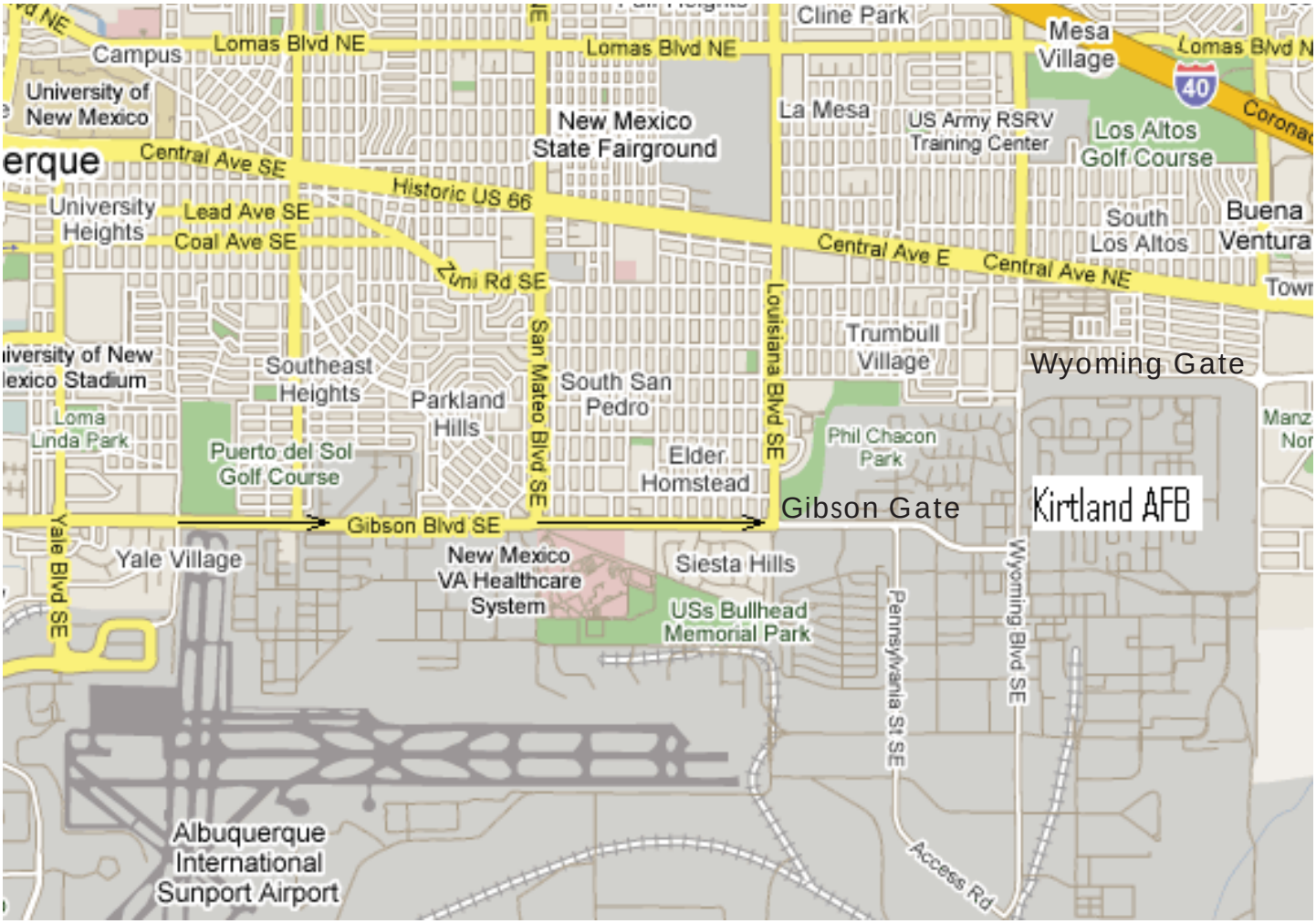
Clearance level of tour: (Please enter either Secret / RD or Secret / RD / CNWDI). For example: DoD Secret Restricted Data (SRD) or CNWDI; DOE Q / Sigmas 1-5)

I understand that my organization will be responsible for ensuring all personnel have a SECRET / RD clearance (CNWDI access for CNWDI tours). We will provide an official signed visit request for all tour attendees to the DNWS Registrar's Office at Fax number 505-846-9168 no later than 10 working days before the scheduled tour date. This official visit list will include: full name, social security number, date of birth, security clearance/access, and date of clearance.

Our primary point of contact for this request is (Name / Duty Phone / e-mail address). Please coordinate any changes to this request with this individual.

(Requesting Official)
Telephone Numbers: Commercial / DSN / Mobile

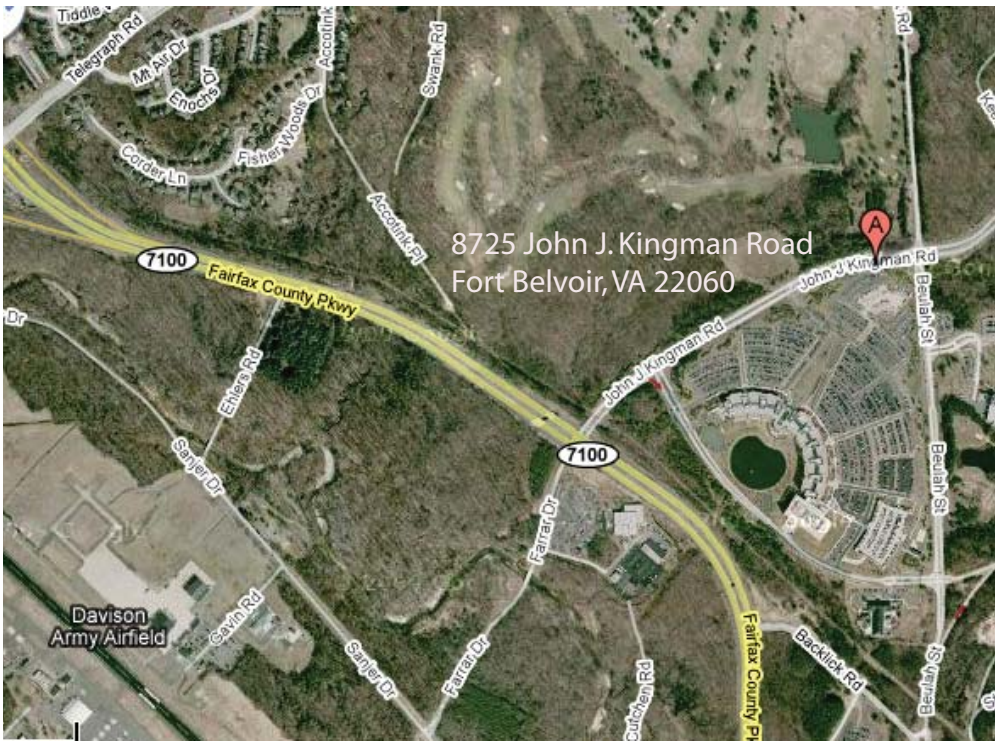
Map to DNWS, Kirtland AFB, Albuquerque, NM



From the Airport, take Yale north and turn right onto Gibson Boulevard. Head east to Gibson Gate; Gibson Gate is open until 2000 hours daily. Once past the gate, drive east until you reach the intersection of Gibson Blvd and Wyoming Blvd. Turn right and drive south until you pass Kirtland Federal Credit Union, which will be a small building on your left just past K Avenue. Turn left into the parking lot. The address is 1900 Wyoming Blvd. Please note: the building is labeled ***1900***, not ***20602***. There is a sign on Wyoming Blvd.

After 2000 hours, please use Wyoming Gate.

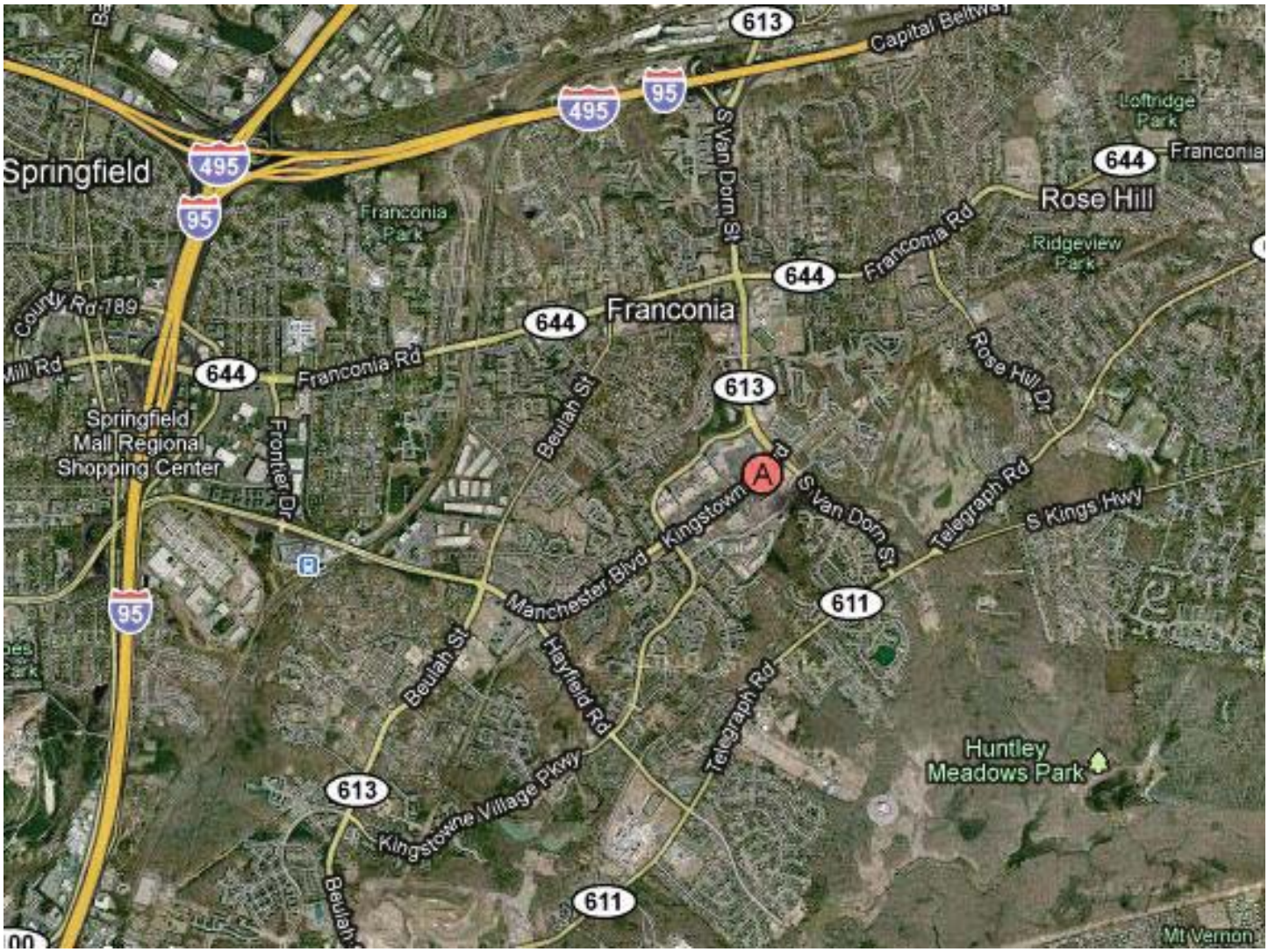
Map for DTRA Ft. Belvoir VA



Take Fairfax County Parkway to the intersection of John J. Kingman Road. Turn right off of John J. Kingman Road into the parking lot accessway. Note that there are security guards who will issue you a pass. Park in designated areas only.

DTRA is a secured facility. You will require permission to enter the building; please see Security at the entrance.

Map for CBRN Classes at Cubic, Alexandria, VA

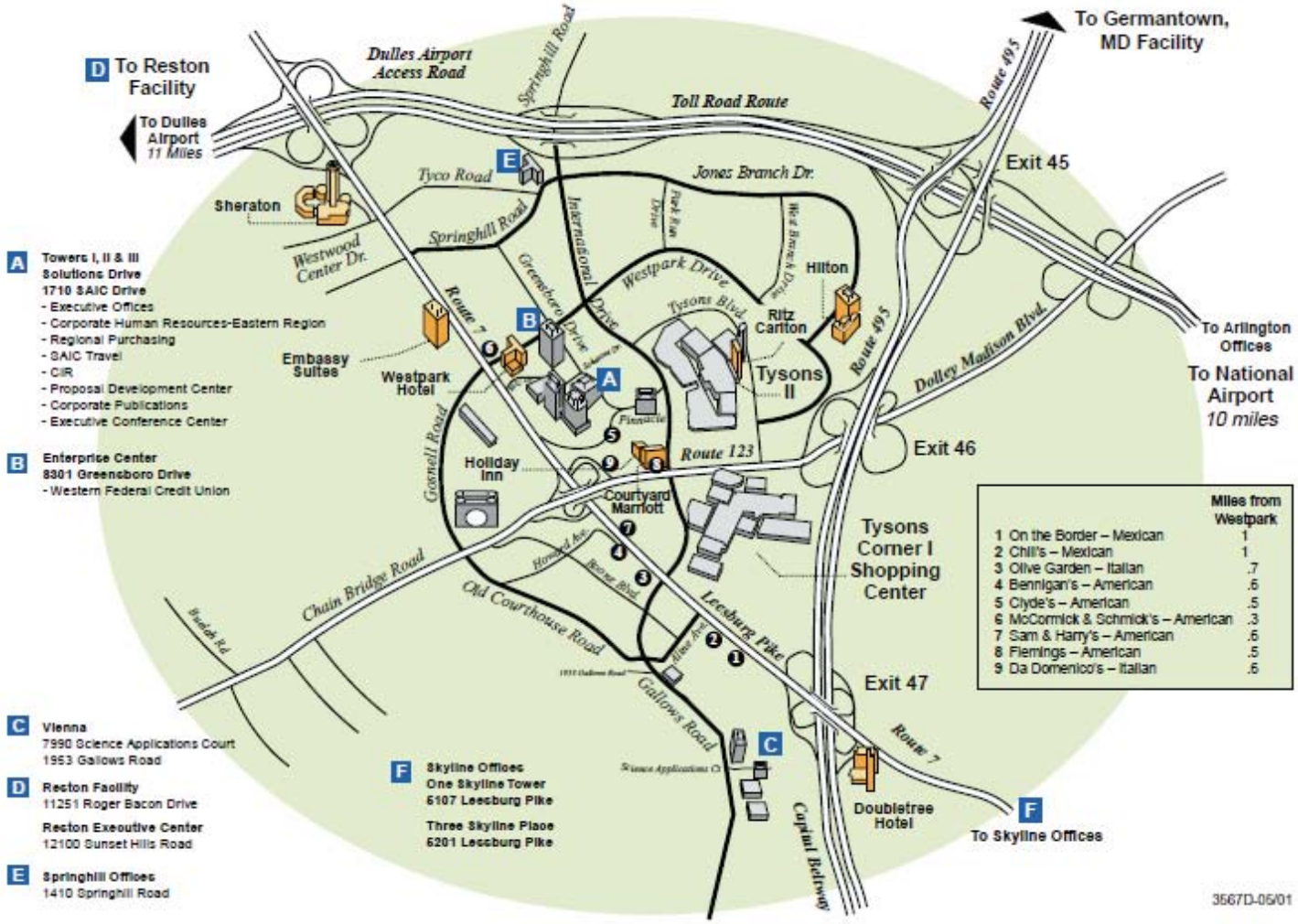


CBRN Classes taught at Cubic
5695 King Centre Drive
Suite 310 (3rd Floor)
Alexandria, Virginia 22315

(703) 924-3050, extension 5124

Large-scale-area map above, close-up map at right.

Map of McLean, VA



Notes

Notes

http://www.dtra.mil

https://dnws.abq.dtra.mil

https://www.dtra.mil/dtriac.aspx