Defense Threat Reduction University

Radiological and Nuclear Training

and Information Analysis Resources

FY 2010 Catalog

NEW
Additional Certification Programs Now Available
See pgs 8 - 11

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Defense Threat Reduction Agency

Defense Nuclear Weapons School

Course Catalog
FY 2010

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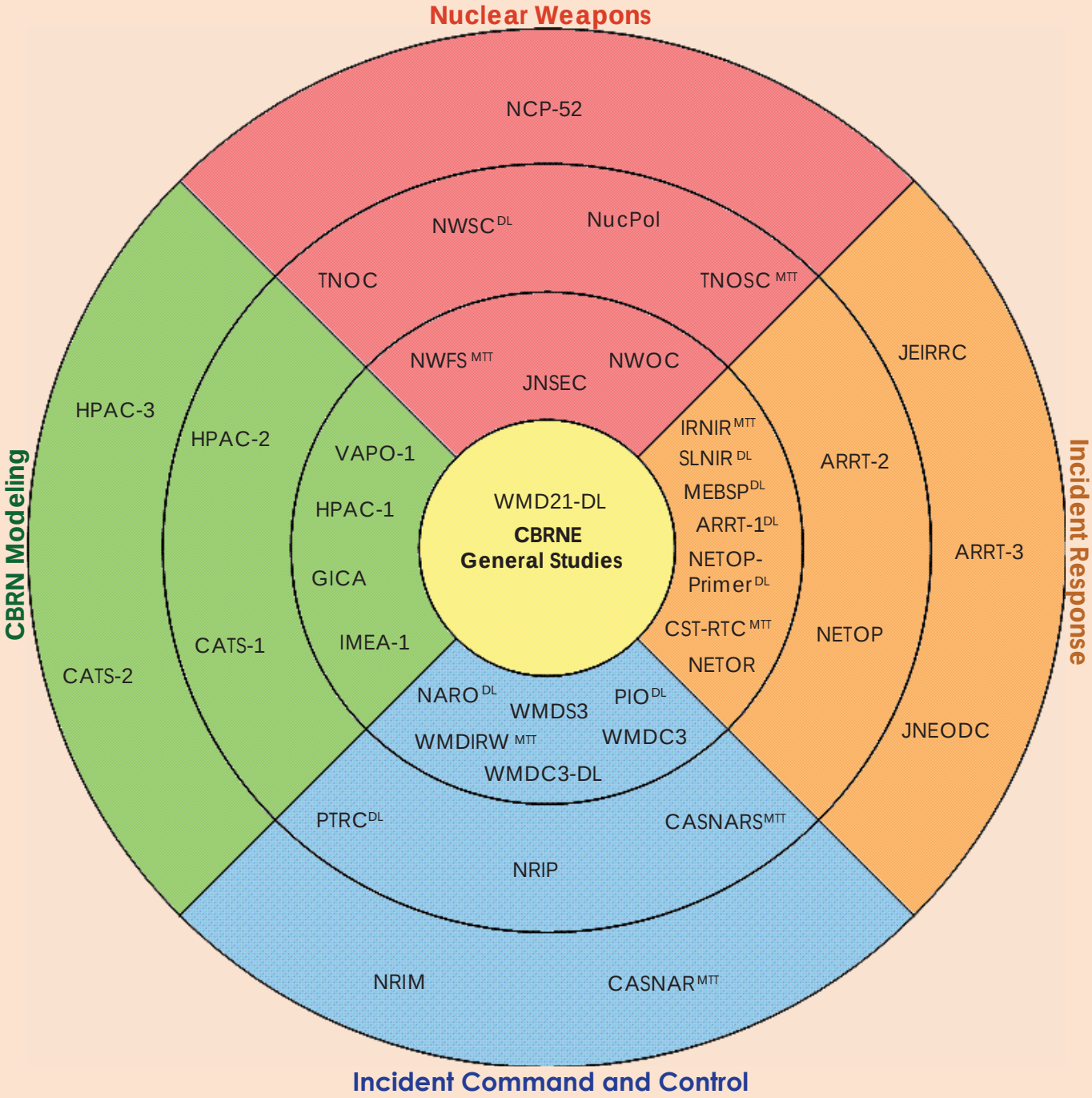
Selecting the Correct DNWS Courses



This guide provides insight into the applicable level of learning and areas of expertise for each of the DNWS courses. Introductory-level courses (such as NWFS and NWOC) are clustered in the center, while intermediate-level courses (such as TNOC and NucPol) are farther out, and advanced courses (such as NRIM and ARRT-3) are the farthest from the center. This catalog is color-coded to help the student select the right course, flip to the correct page, and obtain more 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 38 courses, as well as 19 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.

John Mark Mattox, Ph.D.
Colonel, U.S. Army
Commandant

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 Technology Evaluation Assessment Modeling and Simulation (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.

Defense Nuclear Weapons School Weapons Display Area

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 display area (WDA) in the Department of Defense (DoD).

The WDA is an irreplaceable repository that traces the history and development of the U.S. nuclear weapons stockpile from its inception to the present. The WDA 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 WDA 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 WDA display affords students and visitors a rare opportunity to view exhibits and to discuss stockpile issues with experienced instructors.

The WDA 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, a display of nuclear weapons accidents, and an extensive display of US and foreign chemical and biological protective gear.

(2) a classified area displaying detailed nuclear weapon models. Arrangements can be made for special groups to tour the WDA. 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 Sigma 1-5 is required to participate in any WDA tour. To solicit a special tour of the WDA, a written request must be submitted to and received a minimum of 15 working days before the scheduled tour date. See page 84 for the form to submit to the DNWS. Completed forms may be mailed or faxed to:

DTRA/DNWS
Registrar Office
Attn: WDA 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)

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) /government agencies, the Services, and DoD customers 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.

In addition, the DTRIAC branch includes DTRA's Joint Training System (JTS) implementation team, CBRNE Joint Doctrine and DTRA Lessons Learned. The Joint Training System is the cornerstone for Joint Readiness. DTRA, in its role as a Combat Support Agency, embarked on fully implementing the JTS five years ago and currently manages its collective training program using JTS principles and by publishing the Agency Training Plan within the Joint Training Information Management System (JTIMS) yearly. Also, the DTRIAC branch offers introductory courses on the use of the Joint Training Information Management System (JTIMS) and the Joint Lessons Learned Information System (JLLIS). POC for obtaining an account on either system is Ms. Linda Qassim at 505-846-8673 or linda.qassim@abq.dtra.mil. DTRA ensures DoD Joint Publications accurately reflect proper application of CBRNE doctrinal principles. Specialists on staff are available to assist with joint doctrinal topics including doctrinal analysis and application of joint doctrine to joint individual and collective training objectives. The DTRA Lessons Learned Program collects and analyzes data from a variety of current and historical sources, to include operations, tests, treaties, training events and demonstrations. The analyses from this process produce lessons for DoD civilian leadership; combatant commanders; Service commanders; civilian and military staff; and students. We post these lessons and other related research materials through the Joint Lessons Learned Information System (JLLIS) which is official repository of the Chief, Joint Chief of Staff (CJCS) Joint Lessons Learned Program (JLLP.)

DTRIAC is the Threat Reduction Community's portal for Science and Technology (S&T) information in the following areas (See DTRIAC Products in Section IIII for additional details):

- Conventional Weapons Effects
- Nuclear 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 and services on pages 74 through 76.

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 Weapon 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)
- 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 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 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 Certification Programs

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

Basic Incident Command and Control Certificate

- Introduction to WMD in the 21st Century (WMD-21) (distance learning)
- WMD Command, Control, Coordination (WMDC3) Course (in-residence or distance learning) or WMD Incident Response Workshop (WMDIRW) (MTT)
- Nuclear / Radiological Incident Response Practicum (NRIP)

Advanced Incident Command and Control Certificate

- Basic Incident Command and Control Certificate
  - plus -
- Nuclear Radiological Incident Management (NRIM) Course or Commander and Staff Nuclear Accident Response Workshop (CASNAR) (MTT)

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 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 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

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

College Certification Programs

The Defense Nuclear Weapons School is pursuing college credit for many of its courses. Please check the DNWS website regularly for updates on which courses have been recommended for college credit.

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 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 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).

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 Scheduled Classes

Nuclear Weapons – In-Residence												
	Oct 09	Nov 09	Dec 09	Jan 10	Feb 10	Mar 10	Apr 10	May 10	Jun 10	Jul 10	Aug 10	Sep 10
JNSEC						24-25						22-23(*)
NCP-52										12-	-06	
NucPol		16-20						03-07		19-23(!)		
NWOC	19-23		07-11		08-12	08-12	19-23		14-18		23-27	
TNOC					22-26						09-13	

(*) Iteration Held at DTRA HQ, National Capitol Region, Fort Belvoir, Virginia.
(!) This class is reserved for NCP-52 participants.

Incident Response – In-Residence												
	Oct 09	Nov 09	Dec 09	Jan 10	Feb 10	Mar 10	Apr 10	May 10	Jun 10	Jul 10	Aug 10	Sep 10
ARRT 2	05-09	02-06					05-09	17-21	21-25	12-16	23-27	06-10
ARRT 3		16-20			22-26		19-23				02-06	
IRNIR		14-15		09-10		13-14		08-09		10-11		11-12
JEIRRC	26-30					08-12		24-28			16-20	
JNEODC		16-20				01-05		17-21			09-13	
NETOP			01-11(*)			15-26		03-14	07-18	19-30		13-24

(*) Compressed course due to holiday weekend

Incident Command and Control – In-Residence												
	Oct 09	Nov 09	Dec 09	Jan 10	Feb 10	Mar 10	Apr 10	May 10	Jun 10	Jul 10	Aug 10	Sep 10
NRIM			08-11		02-05							
NRIP			14-16		08-10							
WMDC3				25-29			26-30					

CBRN Modeling												
	Oct 09	Nov 09	Dec 09	Jan 10	Feb 10	Mar 10	Apr 10	May 10	Jun 10	Jul 10	Aug 10	Sep 10
GICA		02-03	14-15			01-02		17-18	14-15		23-24	
CATS 1		04-06	16-18			03-05		19-21	16-18		25-27	
CATS 2							19-21					20-22
HPAC 1	26-30		07-11		22-26			10-14	7-11		16-20	
HPAC 2							12-16					13-17
HPAC 3										19-23		
IMEA 1							06-09					
VAPO 1										26-30		

DNWS Mobile Training Teams												
	Oct 09	Nov 09	Dec 09	Jan 10	Feb 10	Mar 10	Apr 10	May 10	Jun 10	Jul 10	Aug 10	Sep 10
NWFS		03-05		26-28				11-13				14-16
CASNARS												
CASNAR	20-22	02-06			16-18	16-18	06-08	04-06 11-13	08-10 22-24	07-09		
WMDIRW						02-04		18-20				
WMDS3												
NETOR		02-06			01-05		05-09			05-09		
TNOSC								24-28				
CST-RTC			14-18	11-15					21-25		30-	-3

Scheduled Classes - Fort Belvoir Location

CBRN Modeling – In-Residence NGIS												
	Oct 09	Nov 09	Dec 09	Jan 10	Feb 10	Mar 10	Apr 10	May 10	Jun 10	Jul 10	Aug 10	Sep 10
GICA	26-27		07-08		08-09	15-16		10-11	21-22		16-17	13-14
CATS 1	28-30		09-11		10-12	17-19		12-14	23-25		18-20	15-17
CATS 2				20-22			14-16			21-23		
HPAC 1	19-23	30-	-04			08-12		03-07			09-13	
HPAC 2		16-20		25-29			19-23		14-18			20-24
HPAC 3					01-05					12-16		
IMEA 1			14-17				27-30					
IMEA 2					22-26						02-06	
VAPO 1		02-06				01-05		17-21			23-27	

Other DTRA Scheduled Classes

Other DTRA Courses – In-Residence												
	Oct 09	Nov 09	Dec 09	Jan 10	Feb 10	Mar 10	Apr 10	May 10	Jun 10	Jul 10	Aug 10	Sep 10
NSIC							26-29					
DIAMONDS												
ICWMD	20-22 (M)						06-08 (M)			20-22 (A)		
ACWMD					02-05 (M)							
ASSIST												
IWMDT												

A – Class held in Albuquerque (Kirtland AFB), New Mexico

M – Class held at SAIC Facility, McClean, Virginia

Course Quota Managers

Organizational Quota Managers for DNWS Courses				
Agency	Quota Manager	Commercial	DSN Telephone	E-mail Address
Air Force	Anita Cannon		376-8734	anita.cannon@keesler.af.mil
Army	Ralph Steinway	703 695-5914	225-5914	ralph.steinway@us.army.mil
Army Civilians	Ernestine Miles	757 788-2053	680-2053	ernestine.miles@us.army.mil
Army Enlisted	Emeline Felix Rick Breedlove	703 325-4651 703 325-4593	221-4651 221-4593	emeline.felix@conus.army.mil rick.e.breedlove@conus.army.mil
Army National Guard	Craig Brown	703 607-7337	327-9866	craig.brown2@us.army.mil
Army Officers	Jennifer West	703 325-3159	221-3159	jennifer.west@us.army.mil
Army Reserve	Elsworth Legrant	404 464-8292	367-8292	elsworth.legrant@us.army.mil
Marines	Maj Larry Miyamoto	505 846-7266	246-7266	larry.miyamoto@abq.dtra.mil
Navy	Steve Langlais	850 452-4919		steve.langlais@navy.mil
DIA	Regina Roque	202 231-3108		regina.roque@dia.mil
DOE	Lori Lopez	505 245-2117		lori.lopez@hq.doe.gov
NGA	Matthew Doughty	314 676-0235		matthew.a.doughty@nga.mil
NSA	Amanda Berry	301 688-5850	644-5850	aaberry@nsa.gov
HQ DTRA	Christine Kost-Judkins Steven Nicholas	703 767-5811 703 767-5749		christine.kost.judkins@dtra.mil steven.nicholas@dtra.mil

DNWS Course Managers

Course	Primary Manager	Alternate Manager	SAIC	Primary Phone
ARRT-1	SSG Dixson	MSgt Wright	None	505 853 5686
ARRT-2	SSG Dixson	MSgt Wright	None	505 853 5686
ARRT-3	Mr. Fred Scudiery	SSG Dixson	None	505 846 0002
CASNAR	TSgt Walters	LT Gamble	Mr. Rob Berry	505 853 0186
CASNARS	TSgt Walters	LT Gamble	Mr. Rob Berry	505 853 0186
CATS-1	Mr. Bill McKenzie	Mr. Gene Richards	Mr. Dave Little	505 846 0020
CATS-2	Mr. Bill McKenzie	Mr. Gene Richards	Mr. Dave Little	505 846 0020
CST-RTC	TSgt Fowlkes	SSgt Wooten	Mr. Don Colvill	505 846 1196
GICA	Mr. Bill McKenzie	Mr. Gene Richards	Mr. Dave Little	505 846 0020
HPAC-1	Mr. Bill McKenzie	Mr. Gene Richards	Mr. Dave Little	505 846 0020
HPAC-2	Mr. Bill McKenzie	Mr. Gene Richards	Mr. Dave Little	505 846 0020
HPAC 3	Mr. Bill McKenzie	Mr. Gene Richards	Mr. Dave Little	505 846 0020
IMEA 1	Mr. Bill McKenzie	Mr. Gene Richards	Mr. Dave Little	505 846 0020
IRNIR	CPT Riley	None	None	505 853 8126
JEIRRC	SFC Post	SFC Bivens	Mr. Rob Berry	505 846 7275
JNEODC	SFC Bivens	SFC Post	None	505 853 0186
JNSEC	LCDR Cotton	Capt Rardon	Mr. Ragland	505 853 7526
MEBSP	SFC Bivens	SFC Post		505 853 0186
NARO	TSgt Walters	LT Gamble	Mr. Rob Berry	505 853 0186
NCP-52	Mr. Rob Beimler	MAJ Hector Tovar	None	703 806-7866
NETOPS Primer	TSgt Walters	SSgt Wooten	Mr. Don Colvill	505 853 0209
NETOPS	TSgt Walters	SSgt Wooten	Mr. Don Colvill	505 853 0209
NETOR	TSgt Walters	SSgt Wooten	Mr. Don Colvill	505 853 0209
NRIM	TSgt Walters	LT Gamble	Mr. Rob Berry	505 853 0186
NRIP	CWO4 Gere	Mr. Frazier	Mr. Rob Berry	505 853 0190
NucPol	Maj Rardon	LCDR Cotton	Mr. Ragland	505 853 0210
NWFS	MSgt Kalina	Mr. Van Huss	Mr. Ragland	505 853 7667
NWOC	MSgt Kalina	Mr. Van Huss	Mr. Ragland	505 853 7667
PIO	---	---	Mr. Tony Maxwell	505 846 0554
PTRC	---	---	Mr. Tony Maxwell	505 846 0554
TNOC	LCDR Cotton	Maj Rardon	Mr. Ragland	505 853 7526
TNOSC	LCDR Cotton	Maj Rardon	Mr. Ragland	505 853 7526
VAPO-1	Mr. Bill McKenzie	Mr. Gene Richards	Mr. Dave Little	505 846 0020
WMD-21	Capt Fincher	TSgt Walters	Mr. Tony Maxwell	505 846 0554
WMDC3	Capt Fincher	CWO4 Gere	Mr. Tony Maxwell	505 853 4585
WMDIRW	Capt Fincher	CWO4 Gere	Mr. Tony Maxwell	505 853 4585
WMD Outreach	Mr. Chris Pink	Mr. Chris Pink	Mr. Dave Little	505 846 6254
WMDS3	Capt Fincher	CWO4 Gere	Mr. Tony Maxwell	505 853 4585

II Training Courses

CBRN General Studies

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

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 Number:
DNWS-GS-100-DL

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

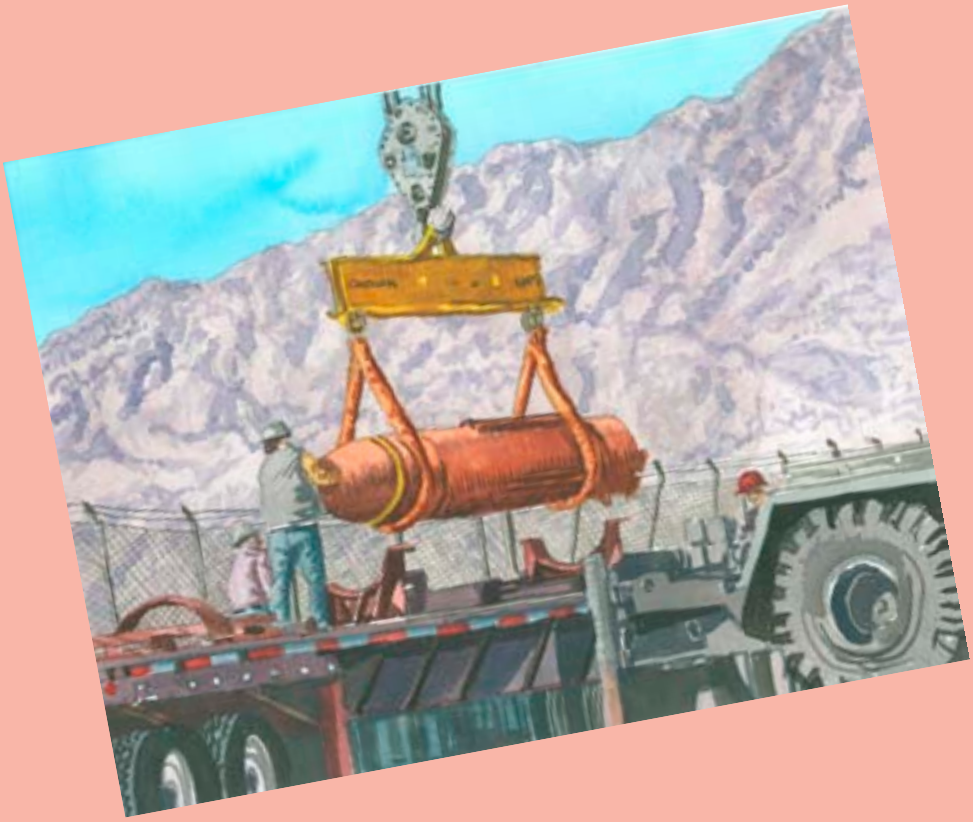
Who Should Take the Course
Military or civilian personnel engaged in agency WMD requirements.

Prerequisites
None

Registration
Accessed from a .mil or .gov URL only

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

Nuclear Weapons



Nuclear Weapons Orientation Course (NWOC)

Class Length
4.5 Days;
36 Hours

Scheduled Dates
19-23 Oct 09
7-11 Dec 09
8-12 Feb 10
8-12 Mar 10
19-23 Apr 10
14-18 Jun 10
23-27 Aug 10

Course Number:
DNWS-NW-101

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.

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 a WDA tour at the Secret/Restricted Data level. The WDA tour will not be conducted at the Secret/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)

Class Length
3 Days;
24 Hours

3-5 Nov 09
26-28 Jan 10
11-13 May 10
14-16 Sep 10

Course Number:
DNWS-NW-101M

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)

Class Length
1 to 1 1/2 Days; 8-12 Hours

Course Number:
DNWS-NW-102

Scheduled Dates
24-25 Mar 10
22-23 Sep 10 (in DC)

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 Weapons Display Area 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 (WDA 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)

Class Length
4.5 Days;
36 Hours

Scheduled Dates
22-26 Feb 10
9-13 Aug 10

Course Number:
DNWS-NW-203

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 a WDA 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
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.

Theater Nuclear Operations Staff Course (TNOSC)

Class Length
4.5 Days;
36 Hours
24-28 May 10

Course Number:
DNWS-NW-203M

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 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 video presentations.

Who Should Attend
Determined by the requesting organization.

Course Classification
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.

Nuclear Policy Course (NucPol)

Class Length
4.5 Days;
36 Hours

Course Number:
DNWS-NW-204

Scheduled Dates
16-20 Nov 09
3-7 May 10
19-23 Jul 10 (for NCP-52)

Synopsis
Nuclear Policy (NucPol) is a 4.5-day course that provides and overview of U.S. nuclear policy and its history, of NATO nuclear policy and how it relate 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 a Weapons Display Area 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.

DoD Nuclear Weapons Security Training Course (NWSC)

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 Number:
DNWS-NW-205-DL

Synopsis
The Nuclear Weapons Security Course (NWSC) 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.

Nuclear and Counterproliferation Officer Course (NCP-52)

Class Length
22 Days; 176 Hours

Course Number:
DNWS-NW-305

Scheduled Dates
12 Jul-6 Aug 10

Synopsis
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 a WDA 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.

Security
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.

Incident Response

Nuclear Emergency Team Operations Primer (NETOP-Primer)

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 Number:
DNWS-IR-101-DL

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 (DNWS-IR-201).

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.

Nuclear Emergency Team Orientation (NETOR)

Class Length
5 Days;
40 Hours
Contact registrar for further information.

Course Number:
DNWS-IR-101M

Synopsis
Nuclear Emergency Team Orientation (NETOR) is a 5-day course tailored to the host's requirements. The program covers the full spectrum of actions required in a team response to a radiological accident. Modules can include biological effects of radiation, response plans and capabilities, radiation detection equipment, contamination control stations, radiological surveys, command and control, and a final practical application exercise. **(MTT)**

Objectives
- Describe basic nuclear physics, biological effects, and protection exposure
- 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
- Identify principles for collecting radioactive airborne samples
- Demonstrate accident patterns and plotting
- Demonstrate the ability to properly don anti-C clothing
- Demonstrate setup and operation of a contamination control station

Format
Facilitated discussions and lectures supported by video presentations.

Who Should Attend
Determined by the requesting organization.

Prerequisites
Complete NETOP-Primer distance-learning course (DNWS-IR-101DL).

Security Requirements
None.

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

Funding
Travel is funded by requesting organization.

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.

Applied Radiological Response Techniques-1 (ARRT-1)

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 Number:
DNWS-IR-102-DL

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.

Civil Support Team Radiological Training Course (CST-RTC)

Class Length
5 Days;
40 Hours
Contact registrar for further information.

Course Number:
DNWS-IR-103M

Synopsis
Civil Support Team Radiological Training Course (CST-RTC) is a 5-day training event covering the response elements to an incident involving radiological materials. Training is focused on the mission requirements of National Guard WMD civil support teams. Modules include medical effects of radiation, Federal response processes, radiation detection theory and equipment, and field health physics. **(MTT or in-residence; MTTs funded by requesting organization)**

Objectives
- Analyze significant critical decision points for radiological accidents/incidents.
- Demonstrate the use of radioactivity monitoring instruments
- Identify principles for collecting airborne radioactivity samples
- Demonstrate methods of surveying a post radiological dispersal device event or lost radioactive source
- Demonstrate contamination control station techniques
- Demonstrate command, control, and coordination in tabletop/field exercises
- Review current modeling software and DTRA reachback capabilities
- Explain the medical aspects of exposure to ionizing radiation
- Demonstrate procedures for handling patients contaminated with radioactivity

Format
Mobile training team or classes held at DNWS. Flexible formatting to meet the needs of the individual civil support team commander.

Who Should Attend
WMD-CSTs and local civilian initial response teams desiring specific training in radiological events.

Prerequisites
None.

Medical Requirements
Special medical requirements for civilian attendees are in accordance with 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 (e.g, MCU2P or M40 protective mask). Certification of medical clearance must be included as part of registration.

Security Requirements
None.

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

Bring comfortable clothing for field exercises (e.g., service-specific PT gear). Students who wear eyeglasses should bring inserts for MCU2P/M40 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.

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

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 Number:
DNWS-IR-104-DL

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
Dsitance Learning.

Prerequisites
None.

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

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

Introduction to Radiological and Nuclear Incident Response (IRNIR)

Class Length
2 Days;
16 Hours

Scheduled Dates

14-15 Nov 09
9-10 Jan 10
13-14 Mar 10
8-9 May 10
10-11 Jul 10
11-12 Sep 10

Course Number:
DNWS-IR-105

Synopsis

Introduction to Radiological and Nuclear Incident Response (IRNIR) is a 2-day course that provides discussions of weapons related accidents, radiation effects, potential hazards, and protective methods. Information on radiation dispersal devices and contamination control station operations will be discussed.

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 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 (NETOP)

Class Length
10 Days;
80 Hours

Scheduled Dates
1-11 Dec 09*
(*Holiday)
15-26 Mar 10
3-14 May 10
7-18 Jun 10
19-30 Jul 10
13-24 Sep 10

Course Number:
DNWS-IR-201

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 operate 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 (DNWS-IR-101DL).

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., MCU2P or M40 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 MCU2P / M40 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.

Applied Radiological Response Techniques-2 (ARRT-2)

Class Length
5 Days;
40 Hours

Scheduled Dates
5-9 Oct 09
2-6 Nov 09
5-9 Apr 10
17-21 May 10
21-25 Jun 10
12-16 Jul 10
23-27 Aug 10
6-10 Sep 10

Course Number:
DNWS-IR-202

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. Attendees must be enrolled in a radiation protection program and are required to bring their dosimeters as radiation fields may exceed 5 mrem/hour. Attendees without personal radiation dosimeters will not be allowed entry into radiation areas. Attendees may bring radiation detection instrumentation from their home station to use in this course if they wish. Contact the course manager to ensure that DNWS does not already have this equipment available.

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-3 (ARRT-3)

Class Length
5 Days;
40 Hours

Scheduled Dates
16-20 Nov 09
22-26 Feb 10
19-23 Apr 10
2-6 Aug 10

Course Number:
DNWS-IR-302

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 techniques, 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 only provide supplemental dosimetry to any attendee.

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

Joint Nuclear Explosive Ordnance Disposal Course (JNEODC)

Class Length
5 Days;
40 Hours

Scheduled Dates
16-20 Nov 09
1-5 Mar 10
17-21 May 10
9-13 Aug 10

Course Number:
DNWS-IR-306

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 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 a Weapons Display Area tour (at the Secret/CNWDI level).

Who Should Attend
Military EOD technicians (E-4 and above) currently filling an operational EOD position.

Prerequisites
Naval School Explosive Ordnance Disposal.

Course Classification
Secret/Restricted Data.

Security Requirements
DoD Secret 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 MCU2P/M40 series masks. Students are encouraged to bring their own service-issued field protective mask and operations checklists.

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

Joint Explosive Ordnance Disposal Improvised Nuclear and Radiological Dispersal Device Recognition Course (JEIRRC)

Class Length
5 Days;
40 Hours

Scheduled Dates
26-30 Oct 09
8-12 Mar 10
24-28 May 10
16-20 Aug 10

Course Number:
DNWS-IR-307

Synopsis
Joint EOD Improvised Nuclear and Radiological Dispersal Devise (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 a Weapons Display Area 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.

Security Requirements
DoD Secret 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).

Incident Command and Control

Strategic Leadership Nuclear Incident Response (SLNIR)

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 Number:
DNWS-GS-101-DL

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
- Discuss 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.

Weapons of Mass Destruction Command, Control, and Coordination (WMDC^3)

Class Length
5 Days
40 Hours
Scheduled Dates
25-29 Jan 10
26-30 Apr 10

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 Number:
DNWS-ICC-101
DNWS-ICC-101-DL

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. Also provided using distance-learning format.

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

Prerequisites
None.

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.

Weapons of Mass Destruction Incident Response Workshop (WMDIRW)

Class Length
3 Days;
24 Hours
Contact registrar for further information.

Scheduled Dates
2-4 Mar 10
18-20 May 10

Course Number:
DNWS-ICC-101M

Synopsis
Weapons of Mass Destruction Incident Response Workshop (WMDIRW) is a 3-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). This course maintains the core curriculum of the WMDC3 tailored for the needs of the requesting organization. **(MTT)**

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 / applying DoD response assets into their local plans

Format
Facilitated discussions and lectures.

Who Should Attend
Determined by requesting organization.

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.

Weapons of Mass Destruction Staff Support Seminar (WMDS^3)

Class Length
1 Day;
8 Hours
Contact registrar for further information.

Course Number:
DNWS-ICC-101M

Synopsis
Weapons of Mass Destruction Staff Support Seminar (WMDS3) is a 1-day course that provides Combatant Commanders and their planning staff instruction covering the spectrum of WMD threats and introduces CBRN response planning within the National Response Framework (NRF) and National Incident Management System (NIMS). **(MTT)**

Objectives
- Provide an overview of current WMD threats and vulnerabilities
- View WMD threats through the context of modern terrorism
- Present the factors that impact planning and preparation for a WMD incident

Format
Facilitated discussions and lectures.

Who Should Attend
Determined by requesting organization.

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.

Nuclear Weapons Accident Response Overview (NARO)

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 Number:
DNWS-ICC-102-DL

Synopsis

Nuclear Weapons Accident Response Overview (NARO) is a distance-learning course that provides overviews of responsibilities during a nuclear weapon accident response; of Federal, state, and local agencies responsibilities; and of procedural guidance and technical information needed to prepare DoD forces to respond to incidents and to coordinate with other responding agencies. **(DL)**

Objectives

Upon completing this course, the student will be able to:

- Discuss the history of nuclear weapons accidents and lessons learned
- Discuss response procedures listed in DoD 3150.8M, Nuclear Weapons Accident Response Procedures (NARP)
- Describe potential hazards associated with nuclear incidents
- Identify DoD nuclear accident response capabilities
- Discuss state and local radiological response capabilities
- Identify legal issues associated with a nuclear incident
- Discuss media coverage and risk communication
- Conduct mock media interviews

Format

Distance learning.

Who Should Attend

Personnel who may be expected to participate during a nuclear weapon accident or incident as a member of an Incident Response Force (IRF), Response Task Force (RTF), or who may provide support to an IRF or RTF. Persons taking Nuclear Radiological Incident Management (NRIM) are encouraged to take this course.

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.

Pandemic Influenza Overview (PIO)

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 Number:
DNWS-ICC-103-DL

Synopsis
Pandemic Influenza Overview (PIO) is a distance-learning course designed to examine U.S. strategy to combat the spread of influenza and identify organization and responsibilities to implement countermeasures. This course focuses on public health systems and response capabilities, health strategies and plans, global, national, and defense cooperatives and DoD/service roles and responsibilities. **(DL)**

Objectives
This class will:
- Describe influenza types, variations, and effects
- Identify worldwide threat from pandemic influenza
- Examine U.S. strategy to combat the spread of pandemic influenza
- Identify organizations and responsibilities to implement pandemic Influenza countermeasures
- Identify DOD plans and capabilities to respond to pandemic influenza
- Examine supporting technologies for detection, surveillance, protection, and mitigation of pandemic influenza

Format
Distance learning.

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

Prerequisites
None.

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.

Proliferation, Terrorism, and Response Course (PTRC)

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 Number:
DNWS-ICC-204-DL

Synopsis
Proliferation, Terrorism, and Response Course (PTRC) provides an overview of the worldwide threat posed by terrorist groups and proliferant nations armed with chemical, biological, radiological, or nuclear WMD and the national-level response to these problems. The course describes WMD characteristics and proliferation, terrorist groups, tactics, options, potential and actual U.S. responses to proliferation and the terrorism threat. **(DL)**

Objectives
This course will:
- Describe physical principles, types, variations, effects, and weaponization of chemical, biological, and nuclear weapons
- Describe nuclear warhead designs most likely to be used by proliferant nations.
- Identify worldwide WMD proliferation threats
- Examine non-state actors involved in proliferation
- Examine past and current U.S. nonproliferation and counter-proliferation policies
- Identify international and domestic terrorist threats, their methodologies, and how terrorists might approach WMD development, acquisition, and employment
- Identify various U.S. plans and capabilities to respond to WMD attacks
- Examine emerging technologies for preventing and responding to WMD attack

Format
Distance learning.

Who should take this course
Military and Federal employees with responsibilities related to the threat of CBRNE proliferation.

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.

Commander and Staff Nuclear Accident Response Seminar (CASNARS)

Class Length
1 Day;
8 Hours
Contact registrar for further information.

Scheduled Dates:
In conjunction with CASNAR.

Course Number:
DNWS-ICC-202M

Synopsis
Commander and Staff Nuclear Accident Response Seminar (CASNARS) is a 1-day 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 (i.e., legal, media, and medical and hazards management). **(MTT)**

Objectives
At the completion of this course, students will:
- 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)*
- Recognize potential hazards associated with nuclear weapons accidents/incidents
- Understand accident/incident site organization and operational overview

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

Who Should Attend
Commands and staffs who are designated members of an initial response force (IRF) or response task force (RTF) that require a general overview of nuclear weapons accident response.

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.

Nuclear Radiological Incident Response Practicum (NRIP)

Class Length
3 Days;
24 Hours
Contact DNWS Registrar's office for more information.

Scheduled Dates
14-16 Dec 09
8-10 Feb 10

Course Number:
DNWS-ICC-205

Synopsis
Nuclear Radiological Incident Response Practicum (NRIP) is a 3-day course that provides an overview of major command and control aspects associated with responding to a nuclear or radiological incident. While the training scenario is primarily based on a nuclear weapons accident with significant radiological material contamination, comparisons and contrasts will be drawn with other types of WMD events.

Objectives
- The attendee will develop competency in crisis action planning for a nuclear or radiological incident
- The attendee will participate in an interactive training scenario that contains the full scope of organizations and responsibilities involved in a response to a nuclear or radiological incident
- The attendee will participate in a hands-on experience and perform various roles across the spectrum of activities from first responder actions through national executive decisions

Format
Individual, performance-oriented training, field-site training, and limited lectures with scenario-based learning.

Who Should Attend
Recommended for personnel with command and control responsibilities in the event of an incident involving WMD. The practicum would be valuable for combatant command staff members or personnel working in similar capacities.

Prerequisites
None. However, it is recommended that you first attend NRIM or CASNAR, or take the NARO distance learning course to be better prepared.

Security Requirements
None.

Appropriate Dress
Military: ACUs, ADUs or utility uniform (no flight suits).
Civilians: Working or casual attire.

The first training day is predominantly outdoors on a training range. Appropriate field and inclement weather clothing is recommended.

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 and Radiological Incident Management (NRIM)

Class Length
4 Days; 32 Hours

Scheduled Dates
8-11 Dec 09
2-5 Feb 10

Course Number:
DNWS-ICC-302

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, and 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-7 to O-6) 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.

Commander and Staff Nuclear Accident Response Workshop (CASNAR)

Class Length
2 Days;
16 Hours
Contact registrar for further information.

Scheduled Dates
20-22 Oct 09
2-6 Nov 09
16-18 Feb 10
16-18 Mar 10
6-8 Apr 10
4-6 May 10
11-13 May 10
8-10 Jun 10
22-24 Jun 10
7-9 Jul 10

Course Number:
DNWS-ICC-302M

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
Upon completing this instruction, the student will be able to:
- 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.

CBRN Modeling

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

Class Length
5 Days; 40 Hours

Scheduled Dates
NM
26-30 Oct 09
7-11 Dec 09
22-26 Feb 10
10-14 May 10
7-11 Jun 10
16-20 Aug 10
VA
19-23 Oct 09
30 Nov - 4 Dec 09
8-12 Mar 10
3-7 May 10
9-13 Aug 10

Course Number:
DNWS-CM-101
DTRA-ALEX-HL1

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.

Geospatial Intelligence for Consequence Assessment (GICA)

Class Length
2 Days;
16 Hours

Course Number:
DNWS-CM-102
DTRA-ALEX-GICA

Scheduled Dates

NM
2-3 Nov 09
14-15 Dec 09
1-2 Mar 10
17-18 May 10
14-15 Jun 10
23-24 Aug 10

VA
26-27 Oct 09
7-8 Dec 09
8-9 Feb 10
15-16 Mar 10
10-11 May 10
21-22 Jun 10
16-17 Aug 10
13-14 Sep 10

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 ArcGIS Software
- Demonstrate techniques for creating, editing, projecting, and attributing data in an ArcGIS database
- Demonstrate techniques for final processing, analyzing, and classifying data in an ArcGIS 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.

Integrated Munitions Effects Assessment Level 1 Course (IMEA-1)

Class Length
4 Days;
32 Hours

Scheduled Dates
NM
6-9 Apr 10
VA
14-17 Dec 09
27-30 Apr 10

Course Number:
DNWS-CM-103
DTRA-ALEX-IL1

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.

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

Vulnerability Assessment Protection Option Level 1 Course (VAPO-1)

Class Length
5 Days;
40 Hours

Scheduled Dates
NM
26-30 Jul 10
VA
2-6 Nov 09
1-5 Mar 10
17-21 May 10
23-27 Aug 10

Course Number:
DNWS-CM-104
DTRA-ALEX-VL1

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.

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

Class Length
5 Days;
40 Hours

Course Number:
DNWS-CM-201
DTRA-ALEX-HL2

Scheduled Dates

NM
12-16 Apr 10
13-17 Sep 10

VA
16-20 Nov 09
25-29 Jan 10
19-23 Apr 10
14-18 Jun 10
20-24 Sep 10

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.

Consequence Assessment Tool Set Course Level 1 (CATS-1)

Class Length
3 Days;
24 Hours

Course Number:
DNWS-CM-202
DTRA-ALEX-CL1

Scheduled Dates

NM
4-6 Nov 09
16-18 Dec 09
3-5 Mar 10
19-21 May 10
16-18 Jun 10
25-27 Aug 10

VA
28-30 Oct 09
9-11 Dec 09
10-12 Feb 10
17-19 Mar 10
12-14 May 10
23-25 Jun 10
18-20 Aug 10
15-17 Sep 10

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.

Integrated Munitions Effects Assessment Level 2 Course (IMEA-2)

Class Length
5 Days;
40 Hours

Course Number:
DNWS-CM-203
DTRA-ALEX-IL2

Scheduled Dates
VA
22-26 Feb 10
2-6 Aug 10

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)

Class Length
5 Days;
40 Hours

Course Number:
DNWS-CM-301
DTRA-Alex-HL3

Scheduled Dates

NM
19-23 Jul 10

VA
1-5 Feb 10
12-16 Jul 10

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.

Consequence Assessment Tool Set Course Level 2 (CATS-2)

Class Length
3 Days;
24 Hours

Course Number:
DNWS-CM-302
DTRA-ALEX-CL2

Scheduled Dates

NM
19-21 Apr 10
20-22 Sep 10

VA
20-22 Jan 10
14-16 Apr 10
21-23 Jul 10

Synopsis

Consequence Assessment Tool Set Level 2 (CATS-2) is a 3-day course in which students achieve a higher level of proficiency using CATS to model hazards and perform consequence analysis by employing higher fidelity modeling tools, enhancing the utility of models and data, and preparing enhanced output to meet the user's mission requirements.

Objectives

At the end of this course, participants will be able to:

- Understand higher fidelity modeling tools
- Define and describe analytical functionality in CATS
- Select and apply higher fidelity modeling tools
- Enhance the utility of models and data
- Prepare enhanced output
- 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

Completion of the Geospatial Intelligence for Consequence Assessment course and Consequence Assessment Tool Set Level 1. 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.

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

Outreach Programs

Weapons of Mass Destruction Outreach Modules

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

Course Number: DNWS-OR-001

"Weapons of mass destruction – nuclear, biological, and chemical – in the possession of hostile states and terrorists represent one of the greatest security challenges facing the United States."
National Strategy to Combat WMD, Dec 02

Scheduled Dates
Please contact Outreach Program Manager for further information.

The WMD Outreach Program is an integral part of DTRA and supports DTRA's mission to provide critical CBRNE expertise to the U.S. Government and its partners in combating WMD. Subject-matter experts provide modules formatted as lectures, seminars, and discussion sessions on a broad range of WMD topics–including technical, operational, and political / military aspects of nuclear weapons, the U.S. nuclear deterrent, WMD proliferation, and U.S. counter-proliferation programs. These one- to four-hour unclassified, or classified, presentations are targeted at all levels–introductory, intermediate, and advanced. Audiences range from entry-level personnel 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 education and training programs, used as topics of interest during professional development sessions, or used as electives and focused studies in formal education settings to enhance knowledge of staff officers, leaders, and decision-makers. Additional modules may be developed as requested by the user.

Modules or briefings are available in the following areas:

Technical
- Basics of Radiation
- Nuclear Weapons Basics
- Nuclear Materials and Production
- Biological Effects of Ionizing Radiation (BEIR)
- Dual-Use Technology and Proliferation
- Terrorist Use of Radiological Materials [includes Radiological Dispersal Devices (RDDs)]
- Smuggling of Nuclear Materials (delivery and detection)
- Weapons of Mass Destruction Consequence Management (foreign and domestic)
- Weapons of Mass Destruction Intelligence Challenges
- Influenza Overview

Policy
- Overview of DoD Combating Weapons of Mass Destruction Activities
- DoD Combating Weapons of Mass Destruction Programs
- The WMD Challenge
- Nuclear Policy and Forces
- U.S. Stockpile Planning

Format: Classroom format.

Faculty: Subject-matter experts.

Registration: Contact registrar for further information.

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

Weapons of Mass Destruction Outreach Module or Briefing Information

Technical Modules

Basics of Radiation

Objectives

At the end of this module, participants will be able to:

- Understand the fundamentals of radiation
- Know the types, properties, sources, and dangers of radiation
- Know the beneficial uses and products of radiation

Nuclear Weapons Basics

Objectives

At the end of this module, participants will be able to:

- Understand nuclear weapons concepts
- Understand theory of operations
- Understand nuclear weapons effects
- Understand the difference between prompt and delayed effects
- Know the basics of thermal, radiological, and blast effects
- Know the basics of fallout effects
- Understand the basics of climate changes
- Know the basic methods in which a nuclear exchange could affect weather
- Understand the similarities and differences between Domestic Nuclear Event (DNE) Reality and other emergencies
- Understand what makes a plausible DNE
- Know the complexities of radiological response issues

Nuclear Materials and Production

Objectives

At the end of this module, participants will be able to:

- Understand and explain the issues concerning uranium enrichment & plutonium production
- Know and describe the technologies necessary for the production of nuclear materials
- Understand the proliferation risks and apply these risks to countries of concern

Biological Effects of Ionizing Radiation (BEIR)

Objectives

At the end of this module, participants will be able to:

- Understand the fundamentals of ionizing radiation
- Know the significance of ionizing radiation
- Understand the complexity of BEIR issues and the biological process in humans
- Understand the properties of Po-210
- Understand and explain the case study involving Alexander Litvinenko
- Relate this information to terrorist use of radiological materials

Dual Use Technology and Proliferation

Objectives

At the end of this module, participants will be able to:

- 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

Weapons of Mass Destruction Outreach Module or Briefing Information

Terrorist Use of Radiological Materials

Objectives

At the end of this module, participants will be able to:

- Understand the different methods in which a terrorist could use radiological material as a weapon [includes Radiological Dispersal Devices (RDDs) / "Dirty Bombs"]
- Understand basic response considerations

Smuggling of Nuclear Materials (Delivery and Detection)

Objectives

At the end of this module, participants will be able to:

- Understand the basic challenges to detection of nuclear materials smuggling
- Know the various methods of smuggling nuclear materials
- Understand the basic mechanisms of smuggling prevention

Weapons of Mass Destruction Consequence Management (Foreign and Domestic)

Objectives

At the end of this module, participants will be able to:

- Understand consequence management activities in a domestic WMD scenario
- Understand the influences of foreign consequence management in a WMD scenario

Weapons of Mass Destruction Intelligence Challenges

Objectives

At the end of this module, participants will be able to:

- Understand the basic methods of intelligence gathering
- Understand and explain essential information from case studies involving various nuclear programs

Influenza Overview

Objectives

At the end of this module, participants will be able to:

- Describe influenza types, variations, and effects
- Identify the worldwide threat from pandemic influenza
- Examine U.S. strategy to combat the spread of pandemic influenza
- Identify organization and responsibilities to implement countermeasures to pandemic influenza
- Identify DoD plans and capabilities to respond to pandemic influenza
- Examine supporting technologies for detection, surveillance, protection, and mitigation of pandemic influenza

Weapons of Mass Destruction Outreach
Module or Briefing Information

Policy Modules

Overview of DoD Combating WMD Activities

Objectives

At the end of this module, participants will be able to:
- Demonstrate knowledge of Joint Publication (JP) 3-40
- Relate JP 3-40 to CWMD mission planning, USSTRATCOM, and the role of DTRA in CWMD

DoD Combating WMD (CWMD) Programs

Objectives

At the end of this module, participants will be able to:
- Understand the DoD's diverse CWMD programs
- Know the policy directive for CWMD
- Understand the mission areas for CWMD

The Weapons of Mass Destruction Challenge

Objectives

At the end of this module, participants will be able to:
- 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

Nuclear Policy and Forces

Objectives

At the end of this module, participants will be able to:
- 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

U.S. Nuclear Stockpile Planning

Objectives

At the end of this module, participants will be able to:
- Understand the components and requirements of the U.S. Nuclear Stockpile
- Know the influences that impact the U.S. Nuclear Stockpile

Hosted Courses

Nuclear Surety Inspections Course (NSIC)

Class Length
4 Days;
32 Hours
Scheduled Dates
26 - 29 Apr 10

Synopsis
Nuclear Surety Inspections Course (NSIC) is a four-day course in which students learn the DoD nuclear inspection process. Training will be conducted through facilitated group discussion and scenarios. A thorough understanding of DoD Technical Publication 25-1 is required.

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 DoD Technical Publication 25-1.

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

Appropriate Dress
Military: Duty Uniform
Civilians: Business casual

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

Defense Integration and Management of Nuclear Data Services (DIAMONDS)

Class Length
3 Days;
24 Hours

Dates: TBD

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.

Introduction to Combating Weapons of Mass Destruction Course (ICWMD)

Class Length
3 Days;
24 Hours

Scheduled Dates
20-22 Oct 09
6-8 Apr 10
20-22 Jul 10

Synopsis
Introduction to Combating Weapons of Mass Destruction (ICWMD) Course provides an overview of of the USG and DoD strategy and policy relating to combating weapons of mass destruction (CWMD). The course reviews strategic and operational-level documents and directives concerning CWMD. Instruction is focused around the three pillars of CWMD (nonproliferation, counterproliferation, and consequence management) and the eight military mission areas identified in the National Military Strategy for CWMD. The course culminates with a tabletop exercise designed to reinforce the DoD operational-level activities that support larger, USG, CWMD efforts.

Objectives
Introduce students to USG and DoD combating WMD strategy and policy, and provide students with:
- Knowledge of USG CWMD Strategy and policy
- Knowledge of USG CWMD roles, responsibilities, and missions
- Comprehension of DoD CWMD strategy, policy, doctrine, roles, responsibilities, and operations
- Ability to apply the principles of CWMD across the full range of military activities

Format
- Facilitated discussions and lectures supported by video presentations
- End-of-course tabletop exercise (EOC-TTX)

Who Should Attend
Military personnel and Federal employees and their supported contractors (O-3 through O-6 or equivalent grade) seeking an introduction to USG and DoD combating WMD strategy and policy.

Security Requirements
DoD secret clearance.

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 Combating Weapons of Mass Destruction Course (ACWMD)

Class Length
4 Days;
32 Hours
Scheduled Dates
2-5 Feb 10

Synopsis
Advanced Combating Weapons of Mass Destruction Course (ACWMD) provides joint military staffs with an overview of strategic and operational-level documents and directives concerning CWMD. The course follows the joint-planning process and seeks to identify and apply CWMD considerations to joint plans and operations through a series of facilitator-led, small-goup exercises. The course emphasizes small-group, CWMD-planning exercises (CWMD Campaign Plan, Contingency Operations, WMD Consequence Management) designed to link strategic and operational-level planning considerations with doctrinal CWMD concepts.

Objectives
- Be familiar with current strategic and operational level guidance for CWMD
- Understand DoD relationships with interagency partners with regard to CWMD
- Understand the application of CWMD throughout the range of military operations
- Identify and apply CWMD considerations within the Joint Operational Planning Process (JOPP) and the Joint Operation Planning and Execution System (JOPES)

Format
- Facilitated discussions and lectures supported by video presentations
- End-of-course plans-writing exercise

Who Should Attend
Military personnel and Federal employees and their supported contractors (O-4 through O-6 or equivalent grade) with operational-level planning experience (ideally JPME-II). CWMD experience or attendance in the Introduction to CWMD course.

Prerequisites
None.

Security Requirements
Attendees must possess a secret-level clearance.

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)

Class Length
4 Days;
32 Hours

Scheduled Dates
Contact 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 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.

Integrated Weapons of Mass Destruction Toolset (IWMDT)

Class Length
5 Days; 40 Hours

Scheduled Dates
Contact registrar for further information.

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.

III Information Analysis Resources

DTRIAC

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 cataloged documents, film, stills, drawings, and engineering data
- Provide access to the DTRA S&T knowledge base via remote on-line access to the collection
- Technical Inquiries of less than 8 hours
- Provide access to CBRNE-related Joint Publications and Lessons Learned
- Provide training on the Joint Training Information Management System (JTIMS) and the Joint Lessons Learned Information System (JLLIS) Doctrinal Analysis and application of joint doctrine to individual and collective training and experimentation events

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 and its associated contractors. TATs require additional funding and can include:

- In-depth analysis
  - o Independent in-depth work efforts that fall within the DTRIAC mission
  - o State of the Art Reports and technology assessments
  - o Data compilation and comprehensive assessments
  - o Analyses of specific technical problems
- Information fusion
  - o Knowledge management
  - o Data mining, capture, and classification
  - o Reachback and lessons learned
  - o 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. After focusing on the R and N portion of CBRNE while known as the DASIAC (under the Defense Nuclear Agency), when DTRA formed in 1998, DTRIAC expanded it holdings to support all of DTRA's mission areas and has significant amounts of CBRNE information and data.

DTRIAC information is in various formats. Our Media Collection includes all the nuclear testing films starting with Crossroads as well as various other films totaling over 20,000 rolls, 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 (no design information)
- Quick Look Reports
- Environmental Impact Statements, Assessments, Supporting Data
- Nuclear Weapon Detonation Detection And Monitoring
- Geophysical studies such as The Atmosphere and Water Bodies
- Engineering, physics, and chemistry such as Material Properties and Nuclear Physics And Chemistry
- Shielding And Cross Sections

DTRIAC

- 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
- Marine poisons and Venoms
- High Yield Explosives and associated Phenomena such as Blast, Shock, and Over pressure
- Types of and Destructive power of various explosives
- Journals, Periodicals and Special Collections:
  - o Armed Forces Radiobiological Research Institute (AFRRI)
  - o IEEE Transactions on Nuclear Science
  - o Plowshare Project
  - o And others
- Technical Manuals:
  - o Effects of Nuclear Weapons by Samuel Glasstone
  - o Handbook of Nuclear Weapon Effects by John Northrop
  - o 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 it then provide the requestor with a CD of requested information.

STARS - Scientific and 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 accessible via the UNET/Internet with the use of a special SecureID token (which provided upon getting an account) while the classified system (STARS-C) is accessible via the SNET / SIPRNET.

DTRIAC's holdings on STARS includes over 3.5 million pages (which is over 350,000 titles, indexed by both author and title), 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 continues. 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. A one-stop site that 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.
- Software: Software entries can include source code, executables, and documentation. They are stored in native format, and retrieval may require external devices or software to read the native format.

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@abq.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 which is accepting manuscripts on the wide range of topics stored in the DTRIAC's collection.

Who Can Use Us

DTRIAC services are available to all U.S. Government agencies and their contractors having a need-to-know. Contractors must be certified by their government contract sponsor and registered with Defense Logistics Information Services to receive export-controlled data. If you need to contact us, you must be with the U.S. government, have a DLIS number, or have the permission of DTRA.

Visiting DTRIAC

A visit will be most productive if planned. Members of DoD, DOE or DHS should contact DTRIAC directly. Government contractors should call their contracting officers. All others require DTRA approval in advance. Be sure to specify your technical query, issue or problem and type of assistance desired.
E-mail: DTRIAC@abq.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) 853-0644
DSN 263-0644

DTRA/DTRIAC Contracting Officer Representative (COR)
(703) 767-4719
DSN 427-4719

DTRIAC ITT-AES Program Manager
(505) 853-1789
DSN 263-0644
Email: DTRIAC@abq.dtra.mil

DTRA/JTS/Doctrine/Lessons Learned Program Manager
(505) 853-1741
DSN 263-1741

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/oe/cs/programs/training/DNWS/DTRU.cfm).

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 xx 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@abq.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 xx for the most current listing of quota managers). After obtaining a seat in the desired course, complete the DNWS Course Registration Form on page xx 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 82 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 79). DOE personnel must use the DOE Form 5631.20 (page 80). Two courses within DNWS (JERRIC & JENODC) 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 505-846-4119 or DSN 246-4119. 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 (See page 83 for map)
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 Gibson 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.

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 85 to 88 for 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 NUCLEAR WEAPONS SCHOOL
COURSE REGISTRATION FORM

**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 formal courses (orientation and resident)
3. ROUTINE USES: To report entrance and change of status of students in special training courses
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: To register for one of our courses, please ensure this form is fully 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. Department of Energy (DOE) personnel must use 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'S INFORMATION

NAME *(Last, First MI)*		RANK/GRADE	SSN
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 NUMBER DSN: ext Comm : ext	DUTY FAX NUMBER DSN: ext Comm: ext

EMERGENCY POC *(Enter name, relationship, and telephone number, including area code, of an individual who can be contacted after normal duty hours in the event of an emergency)*

EMERGENCY POC (SUPERVISOR NAME)	TITLE	TELEPHONE NUMBER

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 security clearance and special access. Refer to course descriptions for prerequisites. *NOTE: DOE applicants must use DOE Form 5631.20.* Security clearance must be received by the DNWS Registrar Office no later than 15 working days prior to class start date. To tour the Weapons Display Area, 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.

Place Of Birth:	Date of Birth:	Citizenship:

Foreign nationals: Please provide your passport number:

APPLICANT'S CLEARANCE LEVEL (Please annotate below -- S = Secret TS = Top Secret or Q= DOE Top Secret)	ADJUDICATION DATE
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 will not endanger command defense and security.

SECURITY MANAGER'S TYPED/PRINTED NAME		DUTY PHONE NUMBER ext
SECURITY MANAGER'S SIGNATURE	SECURITY MANAGER'S UNCLASSIFIED E-MAIL ADDRESS	DATE

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

DOE F 5631.20
(2/87)
(Formerly DP-277)

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

To:

PART "A"

From:

Date:
Prepared by:
Symbol:
Telephone No. - Commercial
FTS:

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

LAST NAME, FIRST, MIDDLE INITIAL AND SOCIAL SECURITY NUMBER, POB	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 XYes ☐ No
FOR THE COMMANDER

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)

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

SEE REVERSE OF PART 5 FOR PRIVACY ACT INFORMATION STATEMENT

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 WDA Tour Request Letter

(Use your letterhead, if possible)

FROM: (Your Organization / Office Symbol)

SUBJECT: Request for Tour of the DTRA Weapons Display Area (WDA)

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

Request a tour of the DTRA WDA 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).

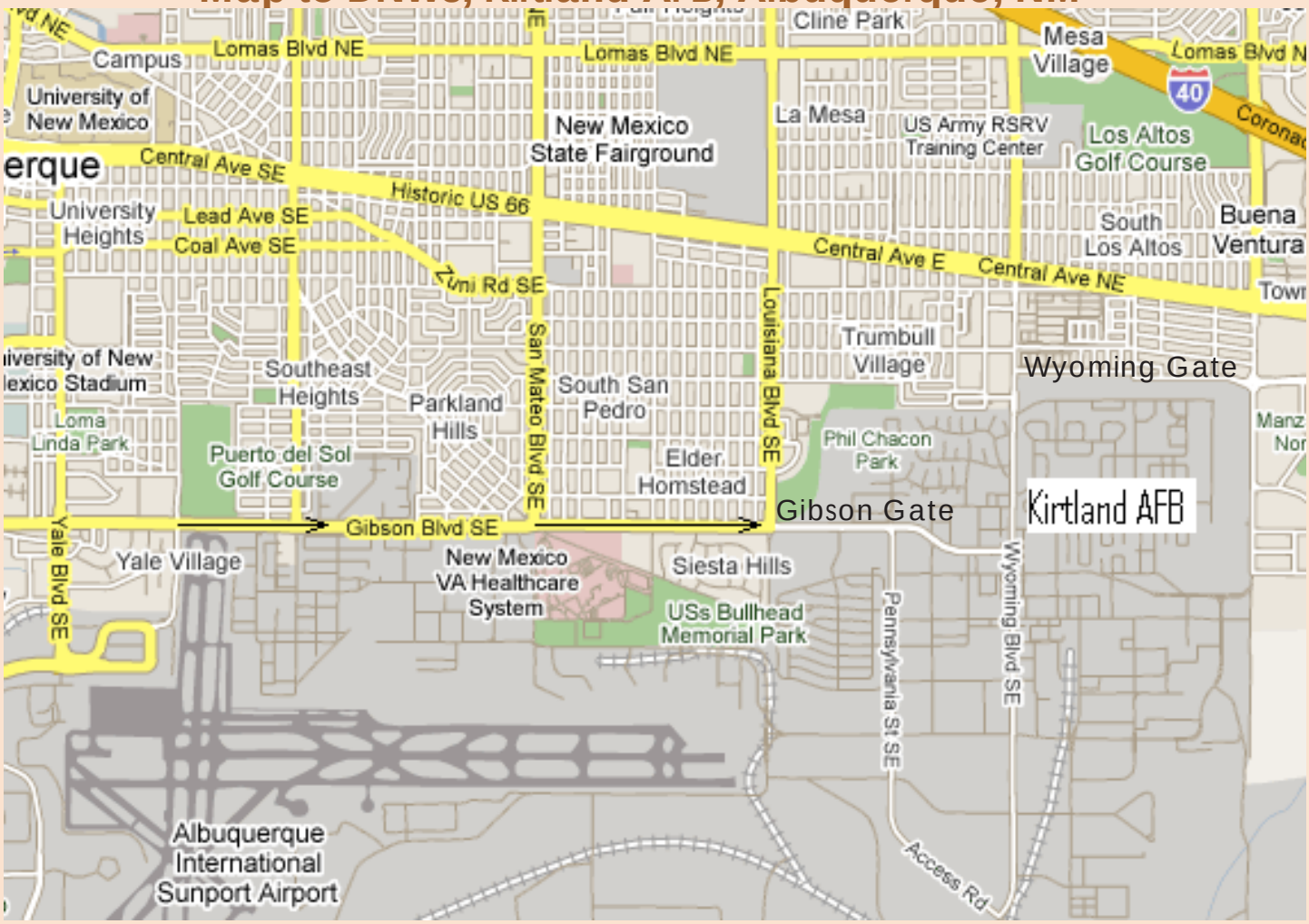
Clearance level of tour: (Please enter either Secret / RD or Secret / RD / CNWDI). For example: DoD Secret Restricted Data (SRD) or CNWDI; DOE Q / Sigmas 1-5)

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 5 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.

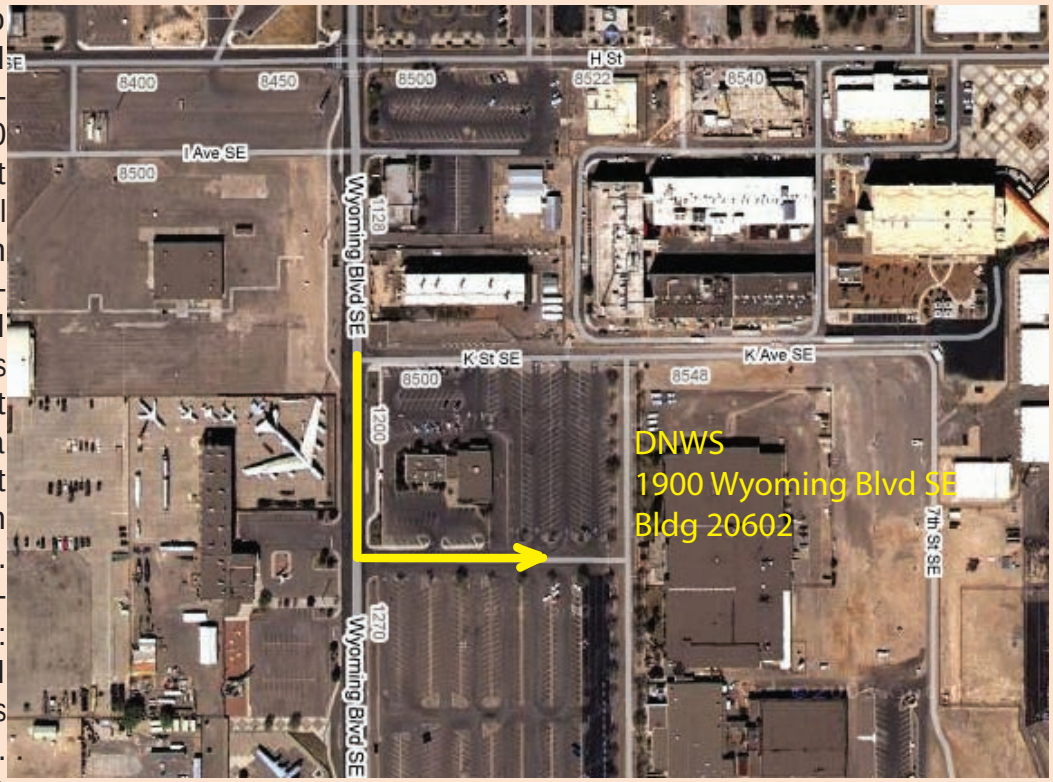
Our primary point of contact for this request is (Name / Duty Phone / e-mail address). Please coordinate any changes to this request with this individual.

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

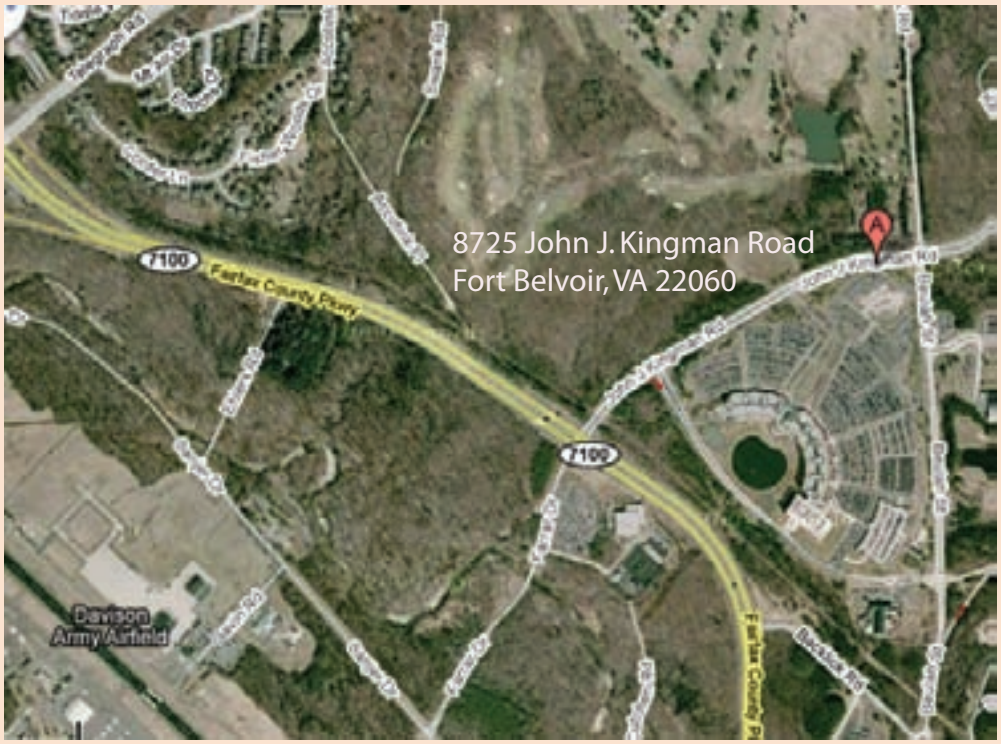
Map to DNWS, Kirtland AFB, Albuquerque, NM



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.



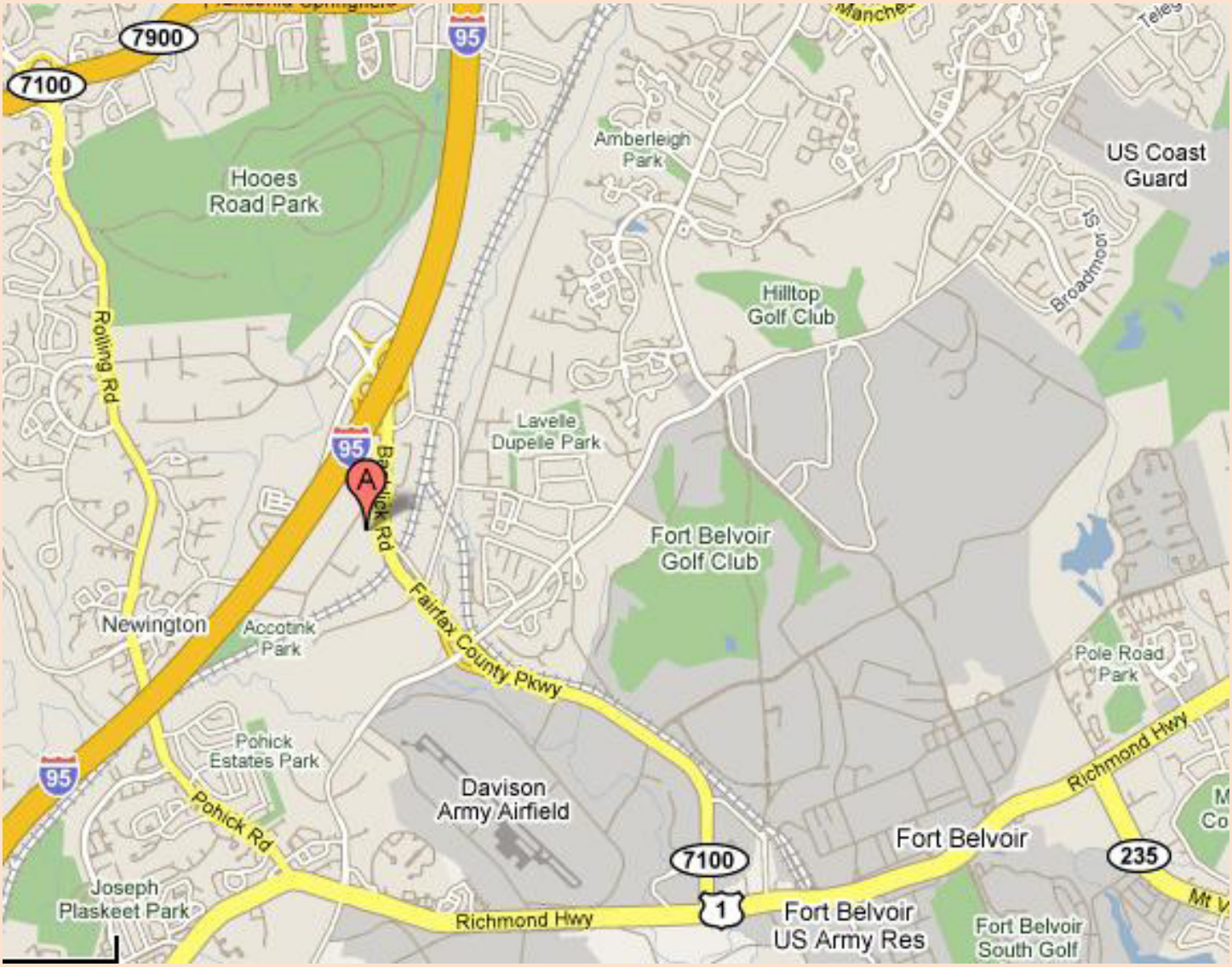
Map for DTRA Ft. Belvoir VA



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.

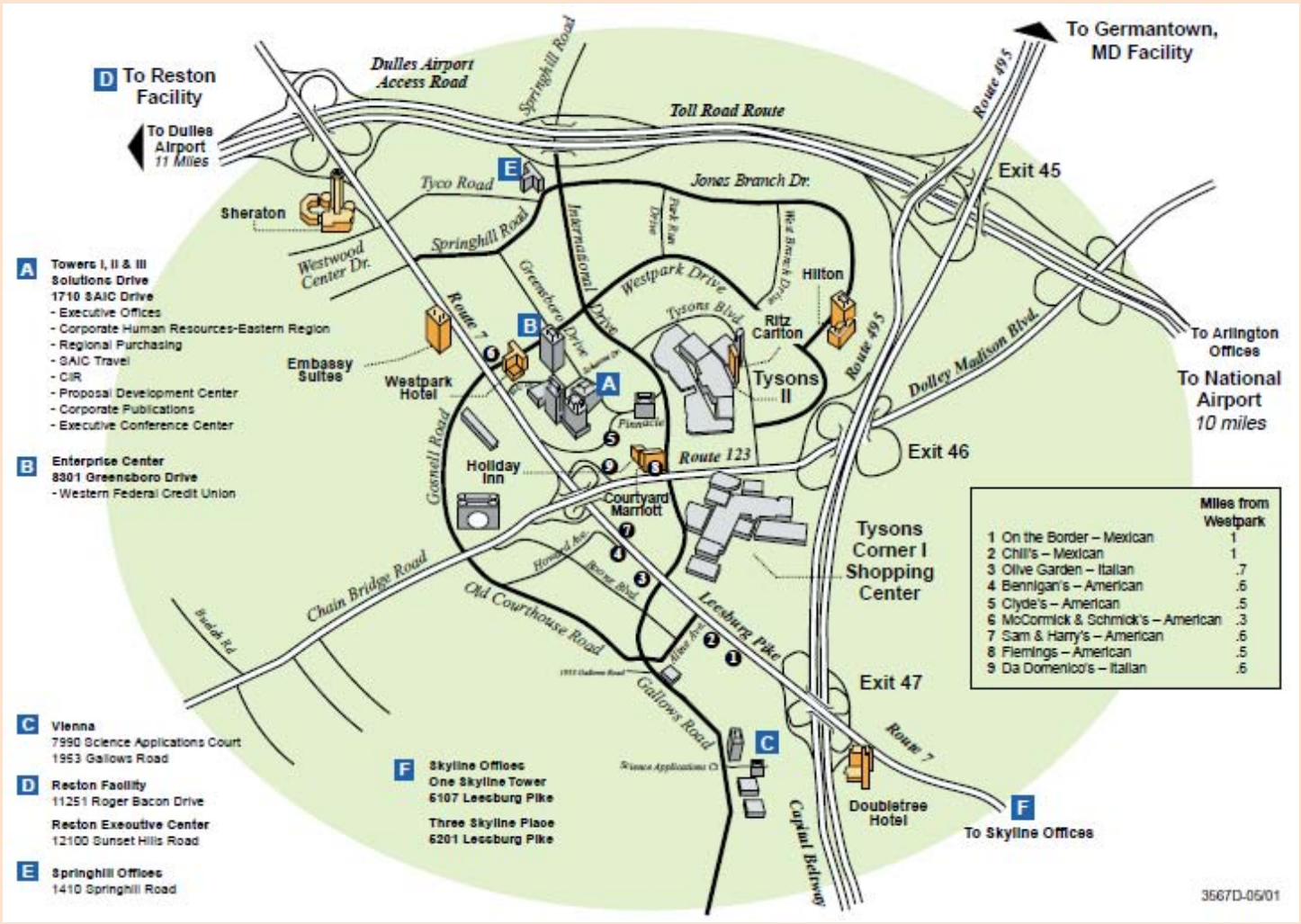
Map for CBRN Classes at Lorton, VA



CBRN Classes taught at Northrop-Grumman Building, 8211 Terminal Road, Lorton, Virginia.

Large-area map is above, close-up map is on the right.

Map of McLean, VA



DNWS Courses that Support CBRNE and WMD Pillars

DNWS Course	Course Type	CBRNE					WMD Pillars			
		C	B	R	N	E	HLD	CP	CM	NP
WMD-21	DL									
SLNIR	DL									
GICA	R	X	X	X	X	X	X		X	
CATS-1	R	X	X	X	X	X	X	X	X	
CATS-2	R	X	X	X	X	X	X	X	X	
HPAC-1	R	X	X	X	X		X	X	X	
HPAC-2	R	X	X	X	X		X	X	X	
HPAC-3	R	X	X	X	X		X	X	X	
IMEA-1	R	X	X	X	X	X		X	X	
IMEA-2	R	X	X	X	X	X		X	X	
VAPO-1	R	X	X	X	X	X			X	
WMDC3	R, DL	X	X	X	X	X			X	
NRIP	R			X	X					
NRIM	R			X	X				X	
NARO	DL			X	X				X	
PIO	DL	X							X	
PTRC	DL	X	X	X	X	X	X			X
WMDIRW	MTT	X	X	X	X	X			X	
WMDS3	MTT	X	X	X	X	X			X	
CASNARS	MTT				X				X	
CASNAR	MTT				X				X	
IRNIR	R	X	X	X	X	X				
CST-RTC	R, MTT			X	X		X		X	
ARRT-1	DL			X					X	
ARRT-2	R			X					X	
ARRT-3	R			X					X	
MEBSP	DL					X	X	X	X	
JEIRRC	R			X	X	X	X			
JNEODC	R				X					
NETOP Primer	DL			X	X		X		X	
NETOP	R			X	X		X		X	
NETOR	MTT			X	X		X		X	
NWOC	R				X			X	X	X
JNSEC	R				X			X		X
NUCPOL	R				X	X		X		X
NCP-52	H	X	X	X	X	X		X	X	X
NWFS	MTT				X					
TNOC	R				X					
TNOSC	MTT				X					
DIAMONDS	R									
ICWMD	R	X	X	X	X	X		X	X	X
ACWMD	R	X	X	X	X	X		X	X	X

Type: R (In-Residence); MTT (Mobile Training Team); DL (Distance Learning); H (Hosted)

C (Chemical); B (Biological); R (Radiological); N (Nuclear); E (High-Yield Explosive)

HLD (Homeland Defense); CM (Consequence Management); CP (Counterproliferation); NP (Non-proliferation)

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