Defense Nuclear Weapons School

www.dnws.dtra.mil

FISCAL YEAR 2025

DNWS

A Department of the
Defense Threat Reduction Agency

DTRA MISSION

DTRA provides cross-cutting solutions to enable the Department of Defense (DOD), the United States Government, and international partners to Deter strategic attack against the United States and its allies; Prevent, reduce, and counter Weapons of Mass Destruction (WMD) and emerging threats; and Prevail against WMD-armed adversaries in crisis and conflict.

For more information visit www.dtra.mil.

DNWS OVERVIEW

The Defense Nuclear Weapons School (DNWS) is located on Kirtland Air Force Base, in Albuquerque, New Mexico. In existence since 1947, this Defense Threat Reduction Agency (DTRA) school is a unique entity that provides training to the Department of Defense (DOD), and other federal, state, and local agencies on: Nuclear and Radiological Weapons; Nuclear Accident/Incident Command, Control and Response; Explosive Ordnance Disposal (EOD) Threat Awareness/Assessment; Weapons of Mass Destruction (WMD); and Chemical, Biological, Radiological, and Nuclear (CBRN) modeling.

Mission

The Defense Nuclear Weapons School provides nuclear weapons core competencies and radiological/nuclear WMD training and education to DOD, interagency organizations, and international partners, to ensure a strong nuclear deterrence, prepare an effective accident/incident response force, and enable countering of WMD-Chemical, Biological, Radiological, and Nuclear (CBRN) threats.

Training Objectives

The school's training objectives are to create, develop, and implement professional training through both traditional methods and innovative training technologies. DNWS training helps to ensure that our nation maintains a safe, reliable, and credible nuclear deterrent, nuclear accident and incident response, radiological force protection and CWMD hazard recognition for the warfighter and responder.

Courses

The DNWS delivers instructor-led courses in-residence and via Mobile Training Teams (MTTs), and offers several distance learning courses online. While most courses are taught in-residence at the DNWS, an expanding array of courses are offered via distance learning or MTT. Additionally, the DNWS provides experts who teach modules within courses taught by other military and federal entities such as the Department of State and the Federal Bureau of Investigation.

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KEY CONTACTS

DNWS Registrar Office
Email: *dtra.kirtland.ne.mbx.dnws-registrar@mail.mil*
JPAS SMO Code: DTRA-ABQ-1
ATTN: DNWS Registrar
1st Lt Bryce Pietrini *or* TSgt Lawanda Basile

Website support
https://dnws.dtra.mil
(must connect via a .mil or .gov domain)
Email: *dtra.kirtland.ne.list.dtra-dnws-it-support@mail.mil*

Albuquerque Billeting Numbers
Kirtland AFB, Albuquerque, NM
AF INN: Phone 505-846-9653
DSN: 246-9653
https://af.DoDlodging.net/propertys/Kirtland-AFB

FT Belvoir Billeting Numbers
Phone: 703-704-8600 or 1-800-295-9750

ADMINISTRATIVE ITEMS

The function of the registrar is to handle the registration and enrollment process for DNWS students. This involves assisting students in selecting the appropriate courses, ensuring they meet prerequisites, and helping them navigate the registration system. The registrar also coordinates with the academic branches in the schoolhouse to ensure that classes are available, and schedules are efficiently organized.

HOW TO REGISTER FOR CLASSES

DNWS Registration and Course Administration Information

General information about DNWS is available on the DNWS web site, also known as DNWS Learning Content Management System (LCMS), https://dnws.dtra.mil. The site is available to DOD and other federal and state agencies, accessible only from .mil or .gov domains.

Course Registration Process

Please read all sections of the course registration process, paying particular attention to student security requirements, prerequisites, quota limitations, and requirements for non DOD personnel. DNWS has simplified and automated the course registration process. New students will complete a two-step process to register for DNWS courses.

Step 1 (New/Prospective Students)

Prospective students should click the link provided (https://dnws.dtra.mil), select the "Register (New Users)" tab, complete the "Register for Access to the Portal" form, and click "Submit Credentials for Access." All fields are required to provide contact information for the students. Upon completion, an email will be sent to the provided email address with login and password.

Step 2 (Registered and Returning Students)

Students who have received a DNWS LCMS User ID and password may register for courses. Click on the link provided (https://dnws.dtra.mil), enter User ID and password in the spaces provided, and click "Login." A "Recover Login ID/Password" button is located at the bottom of this window if password is forgotten. For all other login issues please call or email DNWS Registrar Office. DOD students can tie their CAC/PIV certificates to their account for ease of access. This is recommended as it makes accessing the DNWS internal network computers much easier. Once logged in, students may register for courses or review existing course registrations, review transcripts, update profile information, browse the DNWS catalog and certification programs, and enroll in/complete DNWS distance learning courses.

Enrollment Confirmation

The DNWS LCMS will automatically generate and send enrollment confirmation to prospective students by email upon completion of the DNWS course registration process and verification of security clearance information (as appropriate). To ensure receipt of confirmation and other course information, students must provide an unclassified government e-mail address when they register for access to the LCMS.

The DNWS (https://dnws.dtra.mil), will apprise students of changes in class dates, times, and/or location. If a student has not received enrollment confirmation by one week prior to the class start date, please contact DNWS Registrar's Office Monday–Friday, 0800–1530, Mountain Daylight Savings Time (MDT) by email, *dtra.kirtland.ne.mbx.dnwsregistrar@mail.mil.*

Registration for Non-DOD Students

Inbound students whose security clearances cannot be validated in the Defense Information System for Security (DISS) must provide validation of their security clearance prior to being registered for classified courses. Clearances can be passed to DTRA via a Visit Authorization Letter (VAL) that includes the students Name, Grade/Rank, Social Security Number, Birth Date, Birth City, Birth State, Birth Country, Citizenship, Visit Dates, Clearance Level, Date Clearance Granted, Clearance Granted By (issuing agency), Investigation Type, Date Investigation Completed, Investigation Conducted By (Investigating Agency), Meeting POC (Use DNWS Registrar or Course Manager), Security Manager Name and Phone Number. Once completed the letter should be sent via fax to DTRA Access/Visitor Control at 505-846-8983.

Registration for DOE/NNSA Students

DOE/NNSA personnel may work with their badging office and elect to complete a DOE form 5631.20 in lieu of the VAL. For all of our classified courses the minimum DOE security clearance requirement is a "Q". Additional information to complete DOE form 5631.20 can be located in the security requirements section on pg. 10.

Organization/Service Branch Quotas

The following DNWS courses are subject to organization/service branch quotas: ADT-1, ADT-2, JNEODC & NETOPS. Classes may show open seats on the website; however, existing quota agreements may preclude general registration. Any student who exceeds the existing service quota will be placed on a wait-list until 30 days prior to the course start date. Once the 30 day mark is reached, wait-listed students will be registered in the order in which they were wait-listed.

USAF & USMC personnel attempting to register for these courses be advised: The DNWS works with 2d Air Force and Training & Education Command (TECOM) to fill seats in these courses. Inbound students from those existing training pipelines are granted priority for registrations. Any USAF or USMC student who is set to be unit funded, will be wait-listed and will only be registered if seats are not filled by throughput from 2d AF or TECOM or if seats promised to the other sources remain available past the 30 day mark.

Classified Course Security Clearance Requirements

All prospective students should reference the security requirements of their desired training listed on the course information page accessible from the "Training Courses" page. Before attempting to register, students should ensure they meet the minimum requirements. Any student who does not meet the minimum requirements will be withdrawn and notified of disenrollment. The DNWS will not read inbound students into specific areas such as "Restricted Data" or "Critical Nuclear Weapon Design Information" (some exceptions apply for courses such as TNOC).

JNEODC/WREC Special Requirements

Personnel registering for the Joint Nuclear Explosive Ordnance Disposal Course (JNEODC) or Weapon Recovery EOD Course (WREC) are required to submit an additional visit request to Sandia National Labs through DISS using the SMO Code 14213 and fill out the Sandia Badge Request Form located under the Student Manual tab. Completed forms can be faxed to 505-844-3377 or emailed to *ml_tr@sandia.gov.*

COURSE AND NWIM TOUR SECURITY REQUIREMENTS

If you are requesting registration for a course delivered via Mobile Training Team (MTT), a VAR is not required for registration. MTT hosting organizations may have additional requirements (security/otherwise) for students attending at their locations. The DNWS is not responsible for security or access to non-DTRA facilities.

All attendees requesting entry into the classified museum must possess at a minimum a DOD Secret clearance with Restricted Data (RD) and Critical Nuclear Weapons Design Information (CNWDI) caveats, or a DOE "Q" clearance. Please note that these caveats are not automatically included in a DOD Secret or Top Secret clearance and require a read-in by your owning organization to these respective programs if the personnel have a need to know.

Please verify you meet the security clearance requirements for the course or tour you are attempting to enroll in by referencing the security requirements in this catalog prior to submitting a VAR. Some courses include the classified museum tour which require additional clearance caveats. Perspective course or tour attendees must be read-in by their home unit to any required caveats and have DISS updated prior to submitting their VAR.
NOTE: Personnel will not be read-in to RD and CNWDI by DTRA.

DEFENSE INFORMATION SYSTEM FOR SECURITY (DISS) VISITOR ACCESS REQUEST (VAR) FOR COURSES AND TOURS

All non-DTRA personnel visiting the Defense Nuclear Weapons School must have a Visitor Access Request (VAR) sent in via DISS by your organization's security office. Your security manager, S2, or facility security officer would be your POC to submit a VAR.

Once you have confirmed you meet the access requirements, please submit a VAR via DISS using the information listed below:

Courses:
DNWS SMO: DTRA-ABQ-1
POC: Name of DNWS Registrar // 505-846-5666
VISIT DATES: Enter the course start and end dates
VISIT TYPE: Training

NWIM Tours:
DNWS SMO: DTRA-ABQ-1
POC: Name of DNWS TAM Staff // 505-853-6383
VISIT DATES: Enter tour date only
VISIT TYPE: Training

DOE VISITOR ACCESS REQUEST (VAR) FOR COURSES AND TOURS

All DOE personnel visiting the Defense Nuclear Weapons School must submit a VAR via DOE Form 5631.20, **using full legal names—no nicknames.** Forms must be signed and processed by your DOE security office. Completed forms must be emailed to *dtra.kirtland.oi.list.oi-msca-abq-visitor-control@mail.mil*.

Once you have confirmed you meet the access requirements, please email the VAR to the DTRA ABQ Security Office at *dtra.kirtland.oi.list.oi-msca-abq-visitorcontrol@mail.mil* including the encrypted VAR in one email and the password to the encrypted VAR in a separate email (total of two emails).

Courses:
NAME OF FACILITY TO BE VISITED:
Defense Threat Reduction Agency //
Defense Nuclear Weapons School
FOR THE INCLUSIVE DATES:
Enter the course start and end dates
FOR THE PURPOSE OF:
Nuclear Weapons Instructional Museum
TO CONFER WITH THE FOLLOWING PERSON(S): DNWS Registrar //
505-846-5666
ACCESS REQUESTED TO:
Restricted Data (Check RD Box)
OTHER CLASSIFIED INFORMATION:
Yes (Check CNWDI Box)

NWIM Tours:
NAME OF FACILITY TO BE VISITED:
Defense Threat Reduction Agency //
Defense Nuclear Weapons School
FOR THE INCLUSIVE DATES:
Enter tour date only
FOR THE PURPOSE OF:
Nuclear Weapons Instructional Museum
TO CONFER WITH THE FOLLOWING PERSON(S): DNWS TAM // 505-853-6383
ACCESS REQUESTED TO:
Restricted Data (Check RD Box)
OTHER CLASSIFIED INFORMATION:
Yes (Check CNWDI Box)

DEFENSE THREAT REDUCTION AGENCY SECURITY GENERAL INFORMATION

Personal Electronic Devices (PEDs)

Security procedures prohibit bringing PEDs (PEDs include but are not limited to cellular telephones, smart devices, pagers, personal digital assistants, cameras, thumb drives, laptop computers, Fitbit or like devices) into the school.

Most medical devices are authorized in DTRA spaces but require approval. Notify your DNWS point of contact prior to your course or tour to submit a request.

Security Check-In/Badging

All personnel entering the DNWS are required to show a valid, photo ID at the security desk and receive appropriate badging for the duration of their stay. Personnel who register for classes and tours at DNWS must have a VAR on file. DTRA ABQ security can provide guidance for students from other agencies such as FEMA, DOJ, etc.

Contact DTRA Albuquerque Security

DNWS EMBEDDED SECURITY SUPPORT: 505-353-4378
PERSONNEL SECURITY OFFICE: : 505-353-4419
EMAIL: *dtra.kirtland.oi.list.oi-msca-abq-visitor-control@mail.mil*

Kirtland AFB Pass and Registration

DEFENSE BIOMETRIC IDENTIFICATION SYSTEM (DBIDS) OFFICE: 505-846-2676

NUCLEAR WEAPONS ORIENTATION, AND POLICY

Nuclear Weapons Orientation, and Policy courses focus on nuclear weapon topics such as nuclear weapon design, nuclear weapon effects, and nuclear weapon policies, both foreign and domestic. Nuclear deterrence is a common theme in the curriculum. The Nuclear Enterprise Division's mission is to increase the nuclear literacy of the DOD Warfighter, DOD support, interagency organizations, and additional mission partners. The NED uses various education and training techniques, including the nation's most complete collection of nuclear weapons and nuclear weapons artifacts in the Nuclear Weapons Instructional Museum (NWIM).

JOINT DOD-DOE NUCLEAR SURETY EXECUTIVE COURSE (JNSEC)

COURSE ID/NUMBER	DNWS NW 201 & 201M, USAF JBOZD32E1DOODA, USN S-140-0003				
PREREQUISITES	N/A				
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET//RESTRICTED DATA-CNWDI		
FORMAT	IN RESIDENCE	**MTT**	1 - 1.5 DAY FORMAT ONLY NCR	**LENGTH**	1 DAY AND 2 DAY FORMATS AVAILABLE
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS				
ENDORSEMENTS	RECOMMENDED BY THE AMERICAN COUNCIL ON EDUCATION (ACE)				

JNSEC is an executive-level program offering an overview of safety, security, and C3 aspects of the U.S. nuclear weapons program. JNSEC is offered in two formats: a 2-day program conducted in the National Capitol Region (NCR), and a 2-day program conducted at the DNWS. A Nuclear Weapons Instructional Museum (NWIM) tour at the S//RD-CNWDI level is included in the 2-day format.

NUCLEAR POLICY COURSE (NUCPOL)

COURSE ID/NUMBER	DNWS NW 401, USN S-140-0005				
PREREQUISITES	N/A				
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET//RESTRICTED DATA-CNWDI		
FORMAT	IN RESIDENCE	**MTT**	N/A	**LENGTH**	5 DAYS
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS				
ENDORSEMENTS	RECOMMENDED BY THE AMERICAN COUNCIL ON EDUCATION (ACE), JOINT STAFF (JCS) CERTIFICATION				

NUCPOL is a 5-day course that provides an overview of U.S. nuclear weapons policy development including issues and challenges facing politicians today. It specifically covers the evolution of U.S. nuclear weapons policy, nuclear deterrence theory, applications of nuclear weapons within the instruments of national policy, factors influencing policy, foreign nation nuclear weapons drivers, and proliferation concerns. A policy-focused tour of the Nuclear Weapons Instructional Museum (NWIM) at the S//RD-CNWDI, level is included.

NUCLEAR RESILIENCY (NUCRES)

COURSE ID/NUMBER	DNWS NW 420		
PREREQUISITES	N/A		
CLASSIFICATION	SECRET//RESTRICTED DATA-CNWDI	**STUDENT SECURITY REQUIREMENTS**	SECRET//RESTRICTED DATA-CNWDI
FORMAT	IN RESIDENCE	**MTT** N/A	**LENGTH** 3 DAYS
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS		

Nuclear Resiliency (NUCRES) strengthens the resiliency of Joint Force warfighters via immersive critical thinking scenarios focused on how proper preparation and understanding of nuclear weapon effects allow the Joint Force to operate in a nuclear environment. The mindset that a nuclear environment can be survived and operated within, provides a means to disrupt and/or change an adversary's risk calculus on whether to use a nuclear weapon or not. NUCRES is a three-day course where students learn U.S. Nuclear Policy, Strategy, and Procedures, nuclear weapon effects, the psychological effects of individuals encountering ionizing radiation found on a nuclear battlefield (Radphobia), and participate in an introductory simulated nuclear planning exercise as a culminating event.

NUCLEAR WEAPONS ORIENTATION COURSE (NWOC)

COURSE ID/NUMBER	DNWS NW 110 & NW 110M, USA-ROO1, USAF-JBOZD21A100DA, USMC-FO4EGP1, USN S-140-0001		
PREREQUISITES	N/A		
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET//RESTRICTED DATA-CNWDI
FORMAT	IN RESIDENCE	**MTT** UPON REQUEST	**LENGTH** 4.5 DAYS
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS		
ENDORSEMENTS	RECOMMENDED BY THE AMERICAN COUNCIL ON EDUCATION (ACE), JOINT STAFF (JCS) CERTIFICATION		

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. NWOC focuses on four functional areas: nuclear weapons fundamentals, nuclear weapons effects, nuclear weapons stockpile, and foreign nuclear weapons capabilities and proliferation. A Nuclear Weapons Instructional Museum (NWIM) tour at the S//RD level is included. NOTE: Commands requesting MTTs will be required to provide funding. Actual cost of MTTs will vary based on team size, location, time of year, etc. If a MTT is desired contact the coordinators to discuss specifics.

The Commandant of the Defense Nuclear Weapons School welcomes Nuclear Resiliency (NUCRES) course participants to the in-residence, three-day training at the DNWS, Kirtland AFB, Albuquerque, New Mexico.

NUCLEAR WEAPONS INCIDENTS, ACCIDENTS AND RESPONSE TRAINING

Nuclear Weapons Incidents, Accidents and Response Training courses educate personnel in radiological response techniques and concepts. These concepts include, but are not limited to, radiation detection equipment theory and use, interpretation of information and data, and the command and control of nuclear or radiological incidents and accidents. The Nuclear Enterprise Division's mission is to increase the nuclear response knowledge of the DOD Warfighter, DOD support, interagency organizations, and additional mission partners.

NED uses various education and training techniques, including the DOD's only "live" radiological training sites.

NUCLEAR EMERGENCY TEAM OPERATIONS (NETOPS)

COURSE ID/NUMBER	DNWS NR 101, USMC F045781, USN S-140-0009, USA DNWS-R038, USAF J5OZD32E3G00DA, NM DPS NM210499		
PREREQUISITES	N/A		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS** SECRET	
FORMAT	IN RESIDENCE	**MTT** N/A	**LENGTH** 10 DAYS
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS		
ENDORSEMENTS	RECOMMENDED BY THE AMERICAN COUNCIL ON EDUCATION (ACE), NEW MEXICO DEPARTMENT OF PUBLIC SAFETY (NMDPS) ACCREDITATION, JOINT STAFF (JCS) CERTIFICATION		

NETOPS is a 10-day hands-on course which provides nuclear weapons accident response operations training to joint service responders. The course provides instruction 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 field training exercises during which students don complete sets of anti-contamination clothing, use RADIAC equipment, and perform realistic nuclear emergency team functions at DNWS live radioactive training sites. Military personnel from all branches and federal employees occupying EOD, CBRN defense specialties and career fields, or other emergency response force positions are welcome to attend.

NETOPS night training focused on information systems and operational details, with students utilizing best practices taught throughout the course to navigate unexpected challenges while operating in the dark. The training took place at the DoD's only radiologically contaminated site, OT-10, located on Kirtland AFB, Albuquerque, New Mexico, providing a realistic environment for hands-on learning.

NUCLEAR WEAPONS INCIDENT RESPONSE TRAINING (NWIRT) SERIES

The NWIRT series is tailored to four specific audiences and operating environments: domestic basic, domestic executive, overseas basic, and overseas executive. The course reviews the following topics: the roles and responsibilities of the DOD during a nuclear weapon incident, as mandated by national policy; response by other federal departments or agencies, and legal and public affairs issues specific to a U.S. nuclear weapon incident. Each topic and module is presented by a subject matter expert in an academic format. This course is taught by a combined instructor team, including representatives from the FBI, DHS, and DOE. Details and course numbers for each variant are included below.

NUCLEAR WEAPONS INCIDENT RESPONSE TRAINING, DOMESTIC BASIC (NWIRT-DB)

COURSE ID/NUMBER	DNWS NR 210-DB, USMC F04B0Z1, USN S-140-0010, USAF J5OZD13B402DA, USA DNWS-R003		
PREREQUISITES	N/A		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**MTT** UPON REQUEST	**LENGTH** 3 DAYS
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS		

NWIRT-DB is a 3-day course designed for Initial Response Force (IRF) and Response Task Force (RTF) commanders and staff, addressing issues specific to a domestic nuclear weapon incident.

NUCLEAR WEAPONS INCIDENT RESPONSE TRAINING, DOMESTIC EXECUTIVE (NWIRT-DE)

COURSE ID/NUMBER	DNWS NR 210-DE, USMC F04B0Z1, USN S-140-0010, USA DNWS-R003, USAF J5OZD13B402DA		
PREREQUISITES	N/A		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**MTT** UPON REQUEST	**LENGTH** 1 DAY
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS		

NWIRT-DE is a 1-day executive-level course designed for IRT, IRF, and RTF senior leaders, GCC and MAJCOM staff members, addressing issues specific to a domestic nuclear weapon incident.

NUCLEAR WEAPONS INCIDENT RESPONSE TRAINING, OVERSEAS BASIC (NWIRT-OB)

COURSE ID/NUMBER	DNWS NR 210-OB, USMC F04B0Z1, USN S-140-0010, USA DNWS R003, USAF J5OZD13B402DA				
PREREQUISITES	N/A				
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET//FORMERLY RESTRICTED DATA//NATO		
FORMAT	IN RESIDENCE	**MTT** UPON REQUEST		**LENGTH** 2 DAYS	
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS				

NWIRT-OB is a U.S. only, classified 2-day course, designed for IRF and RTF commanders and staff, addressing issues specific to a nuclear weapon incident overseas. The course is presented via MTT, and specifically in the EUCOM AOR twice per fiscal year.

NUCLEAR WEAPONS INCIDENT RESPONSE TRAINING, OVERSEAS EXECUTIVE (NWIRT-OE)

COURSE ID/NUMBER	DNWS NR 210-OE, USMC F04B0Z1, USN S-140-0010, USA DNWS R003, USAF J5OZD13B402DA				
PREREQUISITES	N/A				
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET//FORMERLY RESTRICTED DATA//NATO		
FORMAT	IN RESIDENCE	**MTT** N/A		**LENGTH** 1 DAY	
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS				

NWIRT-OE is a U.S. only, classified 1-day course, for IRT, IRF and RTF senior leaders, GCC and MAJCOM staff, addressing issues specific to a nuclear weapon incident overseas. The course is presented via MTT, and specifically in the EUCOM AOR once per fiscal year.

Course dates are not listed due to the uncertain operating environment at the time of publication. Please check the DNWS website (https://dnws.dtra.mil) for the most recent information, or contact the registrar or course manager for specific requests.

CWMD RADIOLOGICAL AND NUCLEAR TRAINING

The Countering Weapons of Mass Destruction (CWMD) Division offers courses with a focus on CWMD radiological and nuclear training at the tactical and operational levels. The division's mission is to enable individuals and units to operate in a nuclear and radiological environment. This is accomplished through education and training on multi-service tactics, techniques, and procedures (TTPs), conducting hands-on training with current and emerging detector technologies, and sharing best practices.

BASIC INTERMEDIATE RADIOLOGICAL NUCLEAR TRAINING (B/IRNT)

COURSE ID/NUMBER	DNWS CW 100		
PREREQUISITES	N/A		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS** SECRET	
FORMAT	IN RESIDENCE	**MTT** UPON REQUEST	**LENGTH** 2-5 DAYS
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS. PORTIONS OF THE CLASS ARE ADMINISTERED OUTDOORS. APPROPRIATE INCLEMENT WEATHER AND SUN PROTECTIVE CLOTHING IS RECOMMENDED.		

B/IRNT is a tailorable 2-5 day course offered in-residence or by Mobile Training Team (MTT). The course is designed to take students to a knowledge level where they are proficient operating in a radiation environment, performing survey requirements, and working as a unit to complete intermediate-level radiological tasks. B/IRNT uses live radiological sources to best simulate real-world scenarios. Core modules provide the groundwork with optional elective modules selected by the unit to supplement the course. The course aims for a 50/50 time split between classroom lecture and field exercises. The minimum class size is 15 and maximum is 40.

CORE MODULES:

- Radiological Fundamentals Review
- Radiation Units of Measure
- Biological Effects of Ionizing Radiation
- Radiological and Nuclear Materials of Concern
- Radiation Detector Theory
- Personal Protective Equipment and Decontamination

B/IRNT students from the 72nd Civil Support Team practice decontamination techniques after returning from a simulated contaminated crash site.

ELECTIVE MODULES:

- Detector Specific Overviews
- Radiological Search Techniques
- Gamma Spectroscopy
- Radiological and Nuclear Terrorism
- Nuclear Weapon Effects
- EMP and HEMP Overview
- Operating in a Nuclear Battlefield
- Airframe and Vehicle Decontamination
- Nuclear Fuel Cycle
- Nuclear Reactor Overview
- Reactor Accidents
- Lessons Learned: Operation TOMODACHI
- Case Study: Tuwaitha Site Exploitation
- Radiological Hazard Isolation and Exploitation
- Radiation Shielding
- National Response Framework

Additional or advanced modules developed upon request.

APPLIED RADIOLOGICAL RESPONSE TECHNIQUES LEVEL 2 (ARRT-2)

COURSE ID/NUMBER	DNWS HP 480, USN S-140-0013, USA DNWS RO27, NM DPS NM170288				
PREREQUISITES	ARRT-1 (SEE DISTANCE LEARNING PAGE 28 FOR ARRT-1 INFORMATION)				
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET		
FORMAT	IN RESIDENCE	**MTT**	N/A	**LENGTH**	5 DAYS
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS. PORTIONS OF THE CLASS ARE ADMINISTERED OUTDOORS. APPROPRIATE INCLEMENT WEATHER AND SUN PROTECTIVE CLOTHING IS RECOMMENDED.				
ENDORSEMENTS	RECOMMENDED BY THE AMERICAN COUNCIL ON EDUCATION (ACE), NEW MEXICO DEPARTMENT OF PUBLIC SAFETY (NMDPS) ACCREDITATION				

ARRT-2 is 5-day course designed to apply the theories learned in ARRT-1, with the focus on applied radiological problem solving methods. Approximately 20 percent of the course is conducted in detector laboratories while the remaining course time is dedicated to hands-on radiological experiences and the interpretation of survey data. The minimum class size is 7, maximum class size is 15, and the instructor to student ratio goal is 1:3.

CWMD RADIOLOGICAL/NUCLEAR OPERATIONAL SEMINAR (CRNOS)

COURSE ID/NUMBER	DNWS CW 301				
PREREQUISITES	MUST BE APPROVED TO ATTEND BY SOCOM CWMD DIRECTORATE (J10)				
CLASSIFICATION	TOP SECRET	**STUDENT SECURITY REQUIREMENTS**	TOP SECRET		
FORMAT	IN RESIDENCE	**MTT**	N/A	**LENGTH**	5 DAYS
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS.				

The CRNOS is a tailored, one-of-a-kind venue for the SOCOM Theater staffs and their key mission partners to connect to the complex, multiagency radiological/nuclear operational environment as it relates to CWMD efforts. Seminar is limited to 20 participants and taught twice a year at DNWS based on demand and availability. The seminar is normally held in the spring or fall with dates locking in 6 months out. Please contact DNWS or the SOCOM CWMD Directorate (J10) for more information.

EOD and CBRN students in a B/IRNT course conduct a radiation survey of drums containing suspect material at the DNWS Advanced Radiological Training Site (DARTS). This large, complex site challenges students' communication, search, and hazard identification techniques.

24 ADVANCED DIAGNOSTIC TRAINING 1 (ADT-1)

24 ADVANCED DIAGNOSTIC TRAINING 2 (ADT-2)

25 JOINT NUCLEAR EXPLOSIVE ORDNANCE DISPOSAL COURSE (JNEODC)

25 WEAPON RECOVERY EOD COURSE (WREC)

EXPLOSIVE ORDNANCE DISPOSAL SPECIALTY TRAINING

ADT-1 is for CWMD first responders (not just EOD) who focus on WMD threat awareness, interagency policy, national response architecture, nuclear science, radiation detector theory, and crisis communications.

ADT-2 is for EOD Technicians who focus on WMD “Threat Assessment” to apply design concepts to differentiate between material of concern and an Item of Primary Concern, TTPs and communication methods. JNEODC is a course that provides detailed sustainment training for EOD Technicians when responding to Nuclear Weapons Accidents or Incidents (NWAI) as part of the Initial Response Force (IRF).

ADVANCED DIAGNOSTIC TRAINING 1 (ADT-1)

COURSE ID/NUMBER	DNWS-NR-130, USA DNWS ED 300, USAF-E J5AAD3E851 0A1A, USAF-O J50AD32E3G 0A1A, USMC F04PXV1, S-431-8288, DPS NM220151		
PREREQUISITES	N/A		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**MTT** UPON REQUEST	**LENGTH** 5 DAYS
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS. PORTIONS OF THE CLASS ARE ADMINISTERED OUTDOORS. APPROPRIATE INCLEMENT WEATHER AND SUN PROTECTIVE CLOTHING IS RECOMMENDED.		
ENDORSEMENTS	RECOMMENDED BY THE AMERICAN COUNCIL ON EDUCATION (ACE), JOINT STAFF (JCS) CERTIFICATION		

ADT-1 is a 5-day course of instruction for CWMD first responders (not exclusively EOD personnel) that focuses on WMD threat awareness, interagency policy, national response architecture, nuclear science, radiation detector theory, and crisis communications. The target audiences are those who currently work as, or may support, designated U.S. Government CWMD authorities. This course meets interagency standards for national crisis response, and is recognized by both the FBI and NNSA NEST Standards and Training Programs (NSTP).

ADVANCED DIAGNOSTIC TRAINING 2 (ADT-2)

COURSE ID/NUMBER	DNWS ED 301, USA DNWS-NR-201, USAF-E J5AAD3E851 0A2A, USAF-O J50AD32E3G 0A2A, USMC F04PXZ1		
PREREQUISITES	ATTENDANCE AT DNWS ADT-1		
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET// RESTRICTED DATA-CNWDI
FORMAT	IN RESIDENCE	**MTT** UPON REQUEST	**LENGTH** 5 DAYS
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS. PORTIONS OF THE CLASS ARE ADMINISTERED OUTDOORS. APPROPRIATE INCLEMENT WEATHER AND SUN PROTECTIVE CLOTHING IS RECOMMENDED.		
ENDORSEMENTS	JOINT STAFF (JCS) CERTIFICATION		

ADT-2 is 5-day course for EOD Technicians who focus on WMD “Threat Assessment” to apply design concepts to differentiate between material of concern and an Item of Primary Concern, TTPs and communication methods. This course meets interagency standards for national crisis response, and is recognized by both the FBI and NNSA NEST Standards and Training Programs (NSTP). ADT-2 is intended for EOD Technicians with 1+ years of experience. Participants are expected to perform as team members and team leaders during rad/nuke scenarios.

JOINT NUCLEAR EXPLOSIVE ORDNANCE DISPOSAL COURSE (JNEODC)

COURSE ID/NUMBER	DNWS ED 250, USA DNWS-R006, USAF J5AZ03E871 00DA, USN S-140-0011, USMC F04L2Y1			
PREREQUISITES	N/A			
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET// RESTRICTED DATA-CNWDI	
FORMAT	IN RESIDENCE	**MTT** N/A	**LENGTH** 5 DAYS	
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS. PORTIONS OF THE CLASS ARE ADMINISTERED OUTDOORS. APPROPRIATE INCLEMENT WEATHER AND SUN PROTECTIVE CLOTHING IS RECOMMENDED.			

JNEODC is a 5-day course that provides detailed sustainment training for EOD technicians when responding to Nuclear Weapons Accidents or Incidents (NWAI) as part of the Initial Response Force (IRF). The program focuses on nuclear weapons hazards, stockpile safety features and safeguards, weapons development, and response protocols. Portions of this course are taught by subject matter experts at the Sandia National Laboratory.

Deadline for registration is 21 days prior to the class convene date. Additional VAR must be submitted through DISS to Sandia SMO along with DNWS Visitor Request. Sandia Badge request must be submitted to Sandia Military Liaison for badge access to Sandia Facilities. See website for instructions and documentation.

WEAPON RECOVERY EOD COURSE (WREC)

COURSE ID/NUMBER	DNWS ED 400			
PREREQUISITES	N/A			
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET// RESTRICTED DATA-CNWDI	
FORMAT	IN RESIDENCE	**MTT** N/A	**LENGTH** 2.5 DAYS	
UNIFORM	SERVICE SPECIFIC DUTY UNIFORM, BUSINESS CASUAL FOR CIVILIANS. PORTIONS OF THE CLASS ARE ADMINISTERED OUTDOORS. APPROPRIATE INCLEMENT WEATHER AND SUN PROTECTIVE CLOTHING IS RECOMMENDED.			

JNSEC is an executive-level program offering an overview of safety, security, and C3 aspects of the U.S. nuclear weapons program. JNSEC is offered in two formats: a 2-day program conducted in the National Capitol Region (NCR), and a 2-day program conducted at the DNWS. A Nuclear Weapons Instructional Museum (NWIM) tour at the S//RD-CNWDI level is included in the 2-day format.

An Explosive Ordnance Disposal (EOD) member uses a Ceia V3 and UDR-13 to safely approach a full-scope nuclear response scenario as part of an annual exercise, focused on application of skills learned from ADT-1, ADT-2 and JNEODC. The training is conducted at the DTRA Technical Evaluation Assessment Monitor Site (TEAMS) located on Kirtland AFB, Albuquerque, New Mexico.

DISTANCE LEARNING TRAINING

The school currently offers online training content on two platforms, on the DNWS Learning Content Management System (LCMS) and on the Joint Knowledge Online (JKO) Learning Management System (LMS).

Using DNWS LCMS: Navigate to https://dnws.dtra.mil. Login using your CAC. Click on the "Training Courses" link on the DNWS Home Page. Available courses will display in the list.

Using JKO LMS: Navigate to https://jko.jten.mil/. Login using your CAC or JKO login credentials. Conduct a course catalog search for the following "prefix": DNWS. Apply the Search. Available DNWS courses will display in the list.

Note: The user must create/register for a student account on either of the above sites.

APPLIED RADIOLOGICAL RESPONSE TECHNIQUES – LEVEL 1 (ARRT-1) MODULES

COURSE ID/NUMBER	DNWS NR 200 DL, USA DNWS-R027, DPS NM 200339, DTRA-00200		
JKO COURSE NUMBER	DNWS-AD01-AD08		
PREREQUISITES	BASIC SCIENTIFIC SKILLS MODULES AND NUCLEAR WEAPONS SURETY (NWS)		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	NONE
FORMAT	DISTANCE LEARNING	**MTT** N/A	**LENGTH** 20 HOURS, SELF-PACED
ENDORSEMENTS	RECOMMENDED BY THE AMERICAN COUNCIL ON EDUCATION (ACE), NEW MEXICO DEPARTMENT OF PUBLIC SAFETY (NMDPS) ACCREDITATION, JOINT STAFF (JCS) CERTIFICATION		

ARRT-1 is an awareness-level course that provides instruction on basic radiological response techniques. This course is based on a series of modules that cover the following: Basic Radiation Science, Characteristics of Radiation, Radiation Units of Measure, Gas Filled Detectors, Solid State Detectors, Radiation Exposure Control, Radiological Contamination Control, and Radiological Survey Planning.

BASIC SCIENCE SKILLS (BSS) MODULES

COURSE ID/NUMBER	DNWS HP 080 DL		
JKO COURSE NUMBER	DNWS-HD01-HD05		
PREREQUISITES	N/A		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	NONE
FORMAT	DISTANCE LEARNING	**MTT** N/A	
LENGTH	5 MODULES APPROXIMATELY 60 MIN EACH (TOTAL 5 HOURS), SELF-PACED		

Basic Science Skills comprises five stand-alone modules that can be completed in sequence or individually, as the student or in-residence course manager sees fit. This online series is considered a prerequisite/refresher in the fundamentals of the basic sciences as they relate to the Nuclear Enterprise.

JOINT NUCLEAR WEAPONS PUBLICATIONS SYSTEM (JNWPS)

COURSE ID/NUMBER	DNWS NS 105 DL				
JKO COURSE NUMBER	DNWS ID-01				
PREREQUISITES	N/A				
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	NONE		
FORMAT	DISTANCE LEARNING	**MTT**	N/A	**LENGTH**	4 HOURS, SELF-PACED

JNWPS is an awareness level course that provides an introduction of basic concepts and principles related to the Joint Nuclear Weapons Publication System (JNWPS) for professionals supporting the Nuclear Weapons Enterprise. The course goal is to provide a clear understanding of the JNWPS and why it exists.

NUCLEAR SAFETY STUDIES AND REVIEW (NSSR)

COURSE ID/NUMBER	DNWS SA 103 DL				
JKO COURSE NUMBER	DNWS SD-01				
PREREQUISITES	DNWS NI 101- DL (PRAP), DNWS NI 104 DL (NWS)				
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	NONE		
FORMAT	DISTANCE LEARNING	**MTT**	N/A	**LENGTH**	6 HOURS; SELF-PACED

NSSR is an awareness level course that provides an introduction of basic concepts and principles related to nuclear safety studies and reviews for professionals supporting the Nuclear Weapons Enterprise. The course goal is to facilitate a clear understanding of what nuclear safety studies and reviews are and why they are conducted.

NUCLEAR WEAPONS SURETY (NWS)

COURSE ID/NUMBER	DNWS NI 104 DL				
JKO COURSE NUMBER	DNWS ND01				
PREREQUISITES	N/A				
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	NONE		
FORMAT	DISTANCE LEARNING	**MTT**	N/A	**LENGTH**	8 HOURS

NWS is an awareness level course that provides an introduction of basic concepts and principles related to nuclear surety for professionals supporting the Nuclear Weapons Enterprise. The course goal is to facilitate a clear understanding of what nuclear surety is and how nuclear surety is achieved.

PERSONNEL RELIABILITY ASSURANCE PROGRAM (PRAP)

COURSE ID/NUMBER	DNWS NI 101 DL, JCS-201210				
JKO COURSE NUMBER	JKO DNWS WD01				
PREREQUISITES	N/A				
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	NONE		
FORMAT	DISTANCE LEARNING	**MTT**	N/A	**LENGTH**	3 HOURS, SELF-PACED
ENDORSEMENTS	JOINT STAFF (JCS) CERTIFICATION				

PRAP is an awareness level course that provides an introduction of basic DOD PRAP fundamentals and concepts for personnel who are assigned duties involving nuclear weapons or nuclear command and control systems. The course addresses PRAP concepts, roles, responsibilities, and processes in support of nuclear surety and further explains these concepts in relationship to real-world scenarios.

HOSTED COURSES

33 DEFENSE INTEGRATION AND MANAGEMENT OF NUCLEAR DATA SERVICES (DIAMONDS)

33 FUNCTIONAL AREA 52 QUALIFICATION COURSE (FA-52 QC PHASE 2)

34 JOINT COUNTERING WEAPONS OF MASS DESTRUCTION PLANNING COURSE (JCPC)

34 MEDICAL EFFECTS OF IONIZING RADIATION (MEIR)

35 MISSION ASSURANCE ASSESSMENT COURSE (MAAC)

35 NUCLEAR WEAPONS TECHNICAL INSPECTIONS COURSE (NWTIC)

36 THEATER NUCLEAR OPERATIONS COURSE (TNOC)

36 DTRA REACHBACK SUPPORT TO TARGETING EXECUTIVE COURSE (DTRA TGT EXEC)

37 GEOSPATIAL ANALYSIS FOR CONSEQUENCE ASSESSMENT - LEVEL 1 (GACA-1)

37 GEOSPATIAL ANALYSIS FOR CONSEQUENCE ASSESSMENT - LEVEL 2 (GACA-2)

38 HIGH ALTITUDE NUCLEAR EFFECTS (HANE)

38 HAZARD PREDICTION AND ASSESSMENT CAPABILITY - LEVEL 1 (HPAC-1)

39 HAZARD PREDICTION AND ASSESSMENT CAPABILITY - LEVEL 2 CHEMICAL, BIOLOGICAL, RADIOLOGICAL (HPAC-2-CBR)

39 HAZARD PREDICTION AND ASSESSMENT CAPABILITY EXECUTIVE COURSE (HPAC-EXEC)

40 HAZARD PREDICTION AND ASSESSMENT CAPABILITY - NUCLEAR (HPAC-N)

40 INTEGRATED MUNITIONS EFFECTS ASSESSMENT LEVEL 1 (IMEA-1)

41 INTEGRATED MUNITIONS EFFECTS ASSESSMENT LEVEL 2 CONVENTIONAL (IMEA-2-C)

41 INTEGRATED MUNITIONS EFFECTS ASSESSMENT - NUCLEAR (IMEA-N)

42 NCBRE (NUCLEAR, CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND HIGH-YIELD EXPLOSIVE) ANALYSIS TOOLSET - CONSEQUENCE ASSESSMENT (NATs-CA)

42 NCBRE (NUCLEAR, CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND HIGH-YIELD EXPLOSIVE) ANALYSIS TOOLSET – CONSEQUENCE ASSESSMENT – NUCLEAR (NATs-CA-N)

43 VULNERABILITY ASSESSMENT AND PROTECTION OPTION LEVEL 1 (VAPO-1)

43 VULNERABILITY ASSESSMENT AND PROTECTION OPTION LEVEL 2 (VAPO-2)

DEFENSE INTEGRATION AND MANAGEMENT OF NUCLEAR DATA SERVICES (DIAMONDS)

COURSE ID/NUMBER	DNWS H 100		
PREREQUISITES	N/A		
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET//CNWDI
FORMAT	IN RESIDENCE	**LENGTH**	3 DAYS

DIAMONDS Training is a 3-day course that provides hands-on familiarization training with the national nuclear stockpile's sole accountability database for prospective and current users. Content of this course outlines 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 familiar with nuclear accountability transactions outside of DIAMONDS.

This course is sponsored by the DTRA/J10NL. For more information please contact Diana Kuhn (703) 767-4315, *diana.l.kuhn.civ@mail.mil.*

FUNCTIONAL AREA 52 QUALIFICATION COURSE (FA-52 QC PHASE 2)*

COURSE ID/NUMBER	DNWS H 500, USA DNWS-NROOC, USN S-140-0007		
PREREQUISITES	N/A		
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET//RESTRICTED DATA-CNWDI OR DOE "Q"
FORMAT	IN RESIDENCE	**LENGTH**	VARIES

The Functional Area 52 Qualification Course (FA52 QC Phase 2) is hosted annually at DNWS by the U.S. Army Nuclear and CWMD Agency (USANCA). The training is for U.S. Army FA-52 officers and serves as the Nuclear and CWMD Officers Functional Area Phase 2 qualifying course. Other students accepted by exception. Topics include; an overview of the physics of nuclear weapons, weapon characteristics, weapon engineering, weapon surety, weapon subsystem/component technology, scope of the U.S. nuclear weapons program, stockpile stewardship, and the nuclear fuel cycle. In addition, students will conduct critical site visits to DOE laboratories and receive information briefings from subject matter experts.

For more information please contact Mr. Bill Coffin, (703) 545-9817, *william.j.coffin.civ@army.mil* or *usarmy.belvoir.hqda-dcs-g-3-5-7.mbx.usanca-proponency-division@mail.mil.*

**** Restricted course–registration request must go through the controlling agency.***

JOINT COUNTERING WEAPONS OF MASS DESTRUCTION PLANNING COURSE (JCPC)

COURSE ID/NUMBER	DNWS H 300		
PREREQUISITES	N/A		
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	5 DAYS

JCPC is a 5-day course that introduces students to U.S. Government and DOD policy, strategy, doctrine, and planning related to CWMD; teaches students to recognize CWMD equities in a strategic and operational context, and demonstrates how to incorporate them into the Joint Planning Process (JPP). The first half of the course focuses on the three strategic end states (prevent pathway defeat), protect (WMD defeat), and respond (minimize WMD effects) and the six CWMD activities with their supporting tasks identified in the DOD Strategy for Countering WMD and joint doctrine. The second half of the course takes students through select areas of the JPP and merges CWMD and JPP concepts through a series of facilitator-led, small-group planning exercises.

This course is sponsored by DTRA Intelligence and Plans Directorate. For more information please contact Mr. Victor Carter, (571) 616-6342, *victor.t.carter3.civ@mail.mil.*

MEDICAL EFFECTS OF IONIZING RADIATION (MEIR)

COURSE ID/NUMBER	DNWS H 300		
PREREQUISITES	N/A		
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	5 DAYS

The Medical Effects of Ionizing Radiation (MEIR) course is post-graduate level instruction concerning the biomedical consequences of radiation exposure, how the effects can be minimized, and how to medically manage casualties. The training includes nuclear incidents that can occur on or off the battlefield and that go beyond nuclear weapons events. It covers thoroughly all four of the key subjects: health physics, biological effects of radiation, medical/health effects, and psychological effects.

For more information contact LT Aure Stewart, (301) 295-1963, *aure.stewart@usuhs.mil.*

MISSION ASSURANCE ASSESSMENT COURSE (MAAC)

COURSE ID/NUMBER	DNWS H 331, G55000APCIL		
PREREQUISITES	JKO COURSE J3OP-US1401, MISSION ASSURANCE		
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	5 DAYS

MAAC is a 5-day course that provides training on the DOD Mission Assurance Assessment (MAA) program, which is an integrated approach to assessing risk to mission. Students are provided the methodologies and tools to conduct MAAs of assets identified as critical to mission accomplishment. Students will also assess the mission assurance related programs and activities as they apply to the asset(s) using the DOD MAA Benchmarks. The course includes facilitated discussions, case studies, mock interviews, classroom exercises, field group exercises, and subject matter expert breakout sessions.

This course is sponsored by the Joint Staff, Deputy Directorate for Nuclear, Homeland Defense, and Current Operations (DD NHDCO), and conducted by DTRA.

For more information please email the DTRA MAA Help Mailbox: *dtra.belvoir.ne.mbx.ne-maa-help@mail.mil* or *dtra.belvoir.ne.mbx.ne-maa-help@mail.smil.mil.*

NUCLEAR WEAPONS TECHNICAL INSPECTIONS COURSE (NWTIC)

COURSE ID/NUMBER	DNWS H 120		
PREREQUISITES	DNWS DL COURSE NW104DL: NUCLEAR WEAPON SURETY (NWS)		
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET// RESTRICTED DATA-CNWDI
FORMAT	IN RESIDENCE	**LENGTH**	4 DAYS

NWTIC is a 4-day course that provides instruction on common inspection methodology to better baseline and educate service inspectors for the Nuclear Enterprise. The course will use lectures, facilitated group discussions, and inspection scenarios to ensure strict and consistent application of nuclear weapon technical inspection guidance.

MTT: Specified dates available upon request.

THEATER NUCLEAR OPERATIONS COURSE (TNOC)

COURSE ID/NUMBER	DNWS H 305, USN S-140-0004, USA DNWS RO13, USAF-J5OZD13B404DA, DNWS MTT DNWS P 305 M		
PREREQUISITES	NCP-52 OR NWOC		
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET// RESTRICTED DATA-CNWDI
FORMAT	IN RESIDENCE	**LENGTH**	5 DAYS

TNOC is a 5-day course that provides training for planners, support staff, targeting staff, and staff nuclear planners for nuclear joint operations and targeting. The course provides instruction on theater integration of U.S. nuclear capabilities into conventional operations, U.S. nuclear policy, joint nuclear doctrine, nuclear effects modeling, consequences of execution, and targeting concepts. An NWIM tour at the S//RD-CNWDI level is also included.

For more information please contact CW3 David McMorris, (571) 515-9965, *david.j.mcmorris.mil@mail.mil* or *usarmy.belvoir.hqda-dcs-g-3-5-7.mbx.usanca-proponency-division@mail.mil.*

DTRA REACHBACK SUPPORT TO TARGETING EXECUTIVE COURSE (DTRA TGT EXEC)

COURSE ID/NUMBER	DNWS H 200		
PREREQUISITES	NONE		
CLASSIFICATION	CONTROLLED UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	1 DAY; 8 HOURS

The DTRA Reachback Support to Targeting Executive Course (DTRA TGT Exec) is a one-day course that provides leaders/decision makers and staff members with exposure to activities and actions taken by analysts in support of Combatant Command's targeting process. Upon completion of the course, participants will recognize DTRA Reachback involvement (inputs and outputs) with each phase of the targeting process. This includes the development of HPAC products in order to best communicate the hazards associated with their operations, understanding the uncertainties related to HPAC modeling products, and presenting the guidance needed to meet targeting requirements for targets with potential CBRNE and WMD hazards in accordance with CJCSI 3160.01D.

GEOSPATIAL ANALYSIS FOR CONSEQUENCE ASSESSMENT - LEVEL 1 (GACA-1)

COURSE ID/NUMBER	DNWS H 170, USA GACA-1		
PREREQUISITES	N/A		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	4 DAYS

GACA–1 is a 4-day course that provides students with tools to analyze CBRNE and natural hazards using Geospatial Information Systems (GIS) in conjunction with DTRA hazard modeling software. Students will work to produce comprehensive decision support products that communicate the operational impact of CBRNE and natural hazards to a commander or Common Operational Picture (COP).

Software registration is required (CBRNE Decision Support site: https://cbrnedss.dtra.mil for FIRST Basic, FIRST Nuclear and ICWater).

For more information contact CW5 Leonardo Cargill, (703) 677-3352, *dtra.belvoir.rd.mbx.reachback-training@mail.mil.*

GEOSPATIAL ANALYSIS FOR CONSEQUENCE ASSESSMENT - LEVEL 2 (GACA-2)

COURSE ID/NUMBER	DNWS H 171, USA GACA-2		
PREREQUISITES	DNWS H 170, USA GACA-1		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	4 DAYS

GACA–2 is a 4-day course that builds on the work in GACA–1 to apply modeling and analysis techniques to DTRA and third-party software to improve response time and streamline the modeling/analysis process of a CBRNE incident. Students will develop methods to communicate CBRNE response products across multiple software platforms.

Software registration is required (CBRNE Decision Support site: https://cbrnedss.dtra.mil for FIRST Basic, FIRST Nuclear and ICWater).

For more information contact CW5 Leonardo Cargill, (703) 677-3352, *dtra.belvoir.rd.mbx.reachback-training@mail.mil.*

HIGH ALTITUDE NUCLEAR EFFECTS (HANE)

COURSE ID/NUMBER	DNWS CM-270		
PREREQUISITES	N/A		
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET// RESTRICTED DATA-CNWDI
FORMAT	IN RESIDENCE	**LENGTH**	4 DAYS

HANE is a modular, 4-day course that provides students with the basic concepts involving high altitude nuclear detonations, prompt and persistent nuclear environments, EMP, and their effects on military systems and infrastructure. The course includes basic understanding of the physics of high altitude nuclear explosions, survivability of space-based, airborne and ground based systems, and effects on radar and radio wave communications. Training includes software demonstrations, hands-on familiarization and practices using both command line and graphical user interfaces. Emphasis is placed on mission level and system performance impacts.

For more information contact CW5 Leonardo Cargill, (703) 677-3352, *dtra.belvoir.rd.mbx.reachback-training@mail.mil.*

HAZARD PREDICTION AND ASSESSMENT CAPABILITY LEVEL 1 (HPAC-1)

COURSE ID/NUMBER	DNWS H 145, USA DTRA-ALEX-HL1		
PREREQUISITES	N/A		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	5 DAYS

HPAC–1 is a 5-day course that provides students with a basic level of competency in the modeling of hazardous material releases using the DTRA HPAC software package. Upon completion of the course, students will learn to apply the HPAC model to predict hazard environment areas and potential human effects based on user's mission requirements.

Software registration is required (CBRNE Decision Support site: https://cbrnedss.dtra.mil).

For more information contact CW5 Leonardo Cargill, (703) 677-3352, *dtra.belvoir.rd.mbx.reachback-training@mail.mil.*

HAZARD PREDICTION AND ASSESSMENT CAPABILITY LEVEL 2 – CHEMICAL, BIOLOGICAL, RADIOLOGICAL (HPAC-2-CBR)

COURSE ID/NUMBER	DNWS H 150-C, USA DTRA-ALEX-HL2, DHS CM-150		
PREREQUISITES	HPAC-1 AND SIX MONTHS OF HPAC EXPERIENCE		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	5 DAYS

HPAC-2-CBR is a 5-day course that provides students with a higher level of proficiency in modeling and analysis of chemical, biological, or radiological (CBR) hazard release using HPAC. Upon completion of the course, students will learn to apply HPAC advanced software features to model the transport and dispersion of CBR materials and their potential human and collateral effects based on mission requirements.

Software registration is required (CBRNE Decision Support site: https://cbrnedss.dtra.mil).

For more information contact CW5 Leonardo Cargill, (703) 677-3352, *dtra.belvoir.rd.mbx.reachback-training@mail.mil.*

HAZARD PREDICTION AND ASSESSMENT CAPABILITY EXECUTIVE COURSE (HPAC-EXEC)

COURSE ID/NUMBER	DNWS H 101, USA DTRA-ALEX-HL2		
PREREQUISITES	A BASIC UNDERSTANDING OF THE HPAC MODEL AND CONSEQUENCE ASSESSMENT MODELING IS DESIRED BUT NOT REQUIRED		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	2 DAYS

HPAC-Exec is a 2-day course that provides Leaders/Decision Makers exposure to the Consequence Assessment Modeling methodologies and their capabilities and limitations. Upon completion of the course students will recognize HPAC products to best communicate the hazards associated with their operations, understand the uncertainties related to their HPAC products, and the guidance needed to provide the best modeling and simulation support.

For more information contact CW5 Leonardo Cargill, (703) 677-3352, *dtra.belvoir.rd.mbx.reachback-training@mail.mil.*

HAZARD PREDICTION AND ASSESSMENT CAPABILITY – NUCLEAR (HPAC-N)

COURSE ID/NUMBER	DNWS H 150-N, USA DTRA-ALEX-HL2		
PREREQUISITES	N/A		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	5 DAYS

HPAC-N is a 5-day course that provides students with a higher level of proficiency in modeling and analysis of nuclear hazard release using HPAC. Students will learn to apply the HPAC model to predict hazard environment areas and potential human effects based on user mission requirements.

Software registration is required (CBRNE Decision Support site: https://cbrnedss.dtra.mil).

For more information contact CW5 Leonardo Cargill, (703) 677-3352, *dtra.belvoir.rd.mbx.reachback-training@mail.mil.*

INTEGRATED MUNITIONS EFFECTS ASSESSMENT LEVEL 1 (IMEA-1)

COURSE ID/NUMBER	DNWS H 105, USA DTRA-ALEX-IL1		
PREREQUISITES	N/A		
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	5 DAYS

IMEA-1 is a 5-day course that provides students with an initial level of competency in IMEA. Students will experience the capabilities and limitations of IMEA by creating/obtaining and equipping target models (buildings, bunkers and tunnels), analyzing conventional weapons penetration and damage capabilities, creating attack plans, and analyzing and interpreting results.

Software registration is required (CBRNE Decision Support site: https://cbrnedss.dtra.mil).

For more information contact CW5 Leonardo Cargill, (703) 677-3352, *dtra.belvoir.rd.mbx.reachback-training@mail.mil.*

INTEGRATED MUNITIONS EFFECTS ASSESSMENT LEVEL 2 - CONVENTIONAL (IMEA-2-C)

COURSE ID/NUMBER	DNWS H 110, USA DTRA-ALEX-IL2		
PREREQUISITES	IMEA-1		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	5 DAYS

IMEA-2-C is a 5-day course that provides students with advanced skills in the application of IMEA conventional strike capabilities and limitations. Students will be exposed to an in-depth review of each methodology underlying the calculations in IMEA. Methodology lectures are followed by hands-on use of tailored IMEA scenarios.

Software registration is required (CBRNE Decision Support site: https://cbrnedss.dtra.mil).

For more information contact CW5 Leonardo Cargill, (703) 677-3352, *dtra.belvoir.rd.mbx.reachback-training@mail.mil.*

INTEGRATED MUNITIONS EFFECTS ASSESSMENT - NUCLEAR (IMEA-N)

COURSE ID/NUMBER	DNWS H 115, USA DTRA-ALEX-IL2		
PREREQUISITES	IMEA-1 (PREFERRED, NOT REQUIRED)		
CLASSIFICATION	SECRET	**STUDENT SECURITY REQUIREMENTS**	SECRET// FORMERLY RESTRICTED DATA
FORMAT	IN RESIDENCE	**LENGTH**	5 DAYS

IMEA-N is a 5-day course that provides students with basic skills in the application of IMEA nuclear strike capabilities and limitations. Students will achieve proficiency with importing and creating target models, developing attack plans, performing consequence assessment to WMD scenarios, and communicating results.

Software registration is required (CBRNE Decision Support site: https://cbrnedss.dtra.mil).

For more information contact CW5 Leonardo Cargill, (703) 677-3352, *dtra.belvoir.rd.mbx.reachback-training@mail.mil.*

NCBRE (NUCLEAR, CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND HIGH-YIELD EXPLOSIVE) ANALYSIS TOOLSET - CONSEQUENCE ASSESSMENT (NATs-CA)

COURSE ID/NUMBER	DNWS H 260		
PREREQUISITES	N/A		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	5 DAYS

NATs-CA is a five-day course in which the student achieves a basic level of competency in the modeling of Chemical, Biological, Radiological, and Nuclear (CBRN) hazard releases. Students use NAT, a Net-centric tool, in a collaborative environment to predict hazard environment areas and potential human effects based on mission requirements.

Account Registration: On CBRNE Decision Support site: https://cbrnedss.dtra.mil.

MTT: Based on availability and coordination with DTRA CBRNE training manager.

For more information contact CW5 Leonardo Cargill and the training coordinator, (703) 677-3352, *dtra.belvoir.rd.mbx.reachback-training@mail.mil.*

NCBRE (NUCLEAR, CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND HIGH-YIELD EXPLOSIVE) ANALYSIS TOOLSET – CONSEQUENCE ASSESSMENT NUCLEAR (NATS-CA-N)

COURSE ID/NUMBER	DNWS H 261		
PREREQUISITES	N/A		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	5 DAYS

NATs-CA-N is a five-day course in which the student achieves an initial level of competency in the modeling of nuclear hazard releases. Students use NATs, a Net-centric tool, in a collaborative environment to predict nuclear hazard environment areas and potential human effects based on mission requirements.

Account Registration: On CBRNE Decision Support site: https://cbrnedss.dtra.mil.

MTT: Based on availability and coordination with DTRA CBRNE training manager.

For more information contact CW5 Leonardo Cargill and the training coordinator, (703) 677-3352, *dtra.belvoir.rd.mbx.reachback-training@mail.mil.*

VULNERABILITY ASSESSMENT PROTECTION OPTIONS LEVEL 1 (VAPO-1)

COURSE ID/NUMBER	DNWS H 135, USA DTRA-ALEX-VL1		
PREREQUISITES	N/A		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	5 DAYS

VAPO-1 is a 5-day course in which students will receive instruction in the full functionality of VAPO to include its capabilities, limitations, and assumptions. Using VAPO functionality, students will assess and analyze a spectrum of threats against assets and develop mitigating strategies with respect to vulnerability assessment and force protection.

Software registration is required (CBRNE Decision Support site: https://cbrnedss.dtra.mil).

For more information contact CW5 Leonardo Cargill, (703) 677-3352, *dtra.belvoir.rd.mbx.reachback-training@mail.mil.*

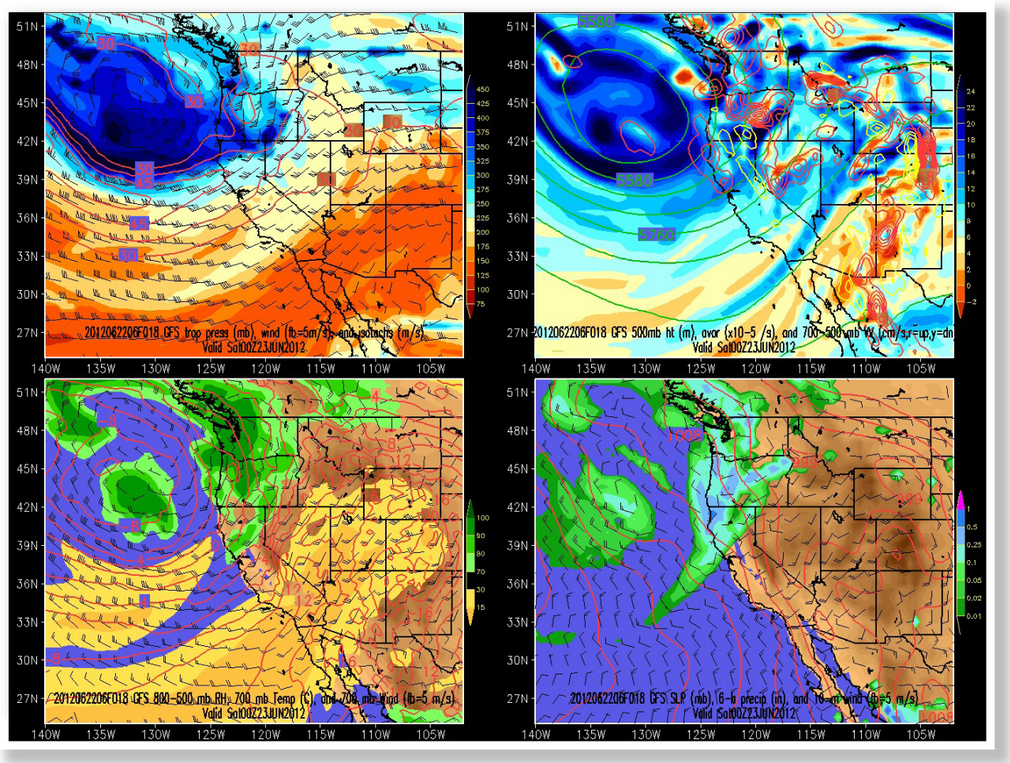
VULNERABILITY ASSESSMENT PROTECTION OPTIONS LEVEL 2 (VAPO-2)

COURSE ID/NUMBER	DNWS H 140, USA DTRA ALEX VL2		
PREREQUISITES	VAPO-1		
CLASSIFICATION	UNCLASSIFIED	**STUDENT SECURITY REQUIREMENTS**	SECRET
FORMAT	IN RESIDENCE	**LENGTH**	4 DAYS

VAPO–2 is a 4-day course designed to enable users to achieve a higher level of understanding of the software's physics based blast effects models to enhance the application of VAPO for force protection, anti-terrorism and vulnerability assessment modeling against a wide spectrum of real world threats.

For more information contact CW5 Leonardo Cargill, (703) 677-3352, *dtra.belvoir.rd.mbx.reachback-training@mail.mil.*

HPAC HAZARD MODELING



DTRA Research & Development Directorate, Reachback Division (RD-OPR) provides 24/7 Chemical, Biological, Radiological, Nuclear, Explosive (CBRNE) SME and decision support for planning, operations, and post-event analysis to warfighters and emergency responders.

Additionally, Reachback manages and implements the DTRA training contracts in support of Joint, Intergovernmental, Interagency, and Multinational organizations, providing training on DTRA CBRNE decision support analysis software tools. The DTRA CBRNE Decision Support Analysis Capabilities Training Support team provides training on DTRA and third party developed Weapons of Mass Destruction (WMD) models, tools, and capabilities for military and emergency responder operations.

For more information, email *dtra.belvoir.rd.mbx.reachback-training@mail.mil.*

NUCLEAR WEAPONS INSTRUCTIONAL MUSEUM

The Nuclear Weapons Instructional Museum stands alone as a classified institution within the Department of Defense. Offering an unparalleled comprehension of nuclear weaponry history, it welcomes authorized individuals for guided tours that provide a deep understanding of nuclear capabilities and nuclear history.

NUCLEAR WEAPONS INSTRUCTIONAL MUSEUM

The Nuclear Weapons Instructional Museum (NWIM) offers an unmatched understanding of our nuclear weaponry arsenal and its historical development:

Established as the only classified museum within the Department of Defense, the NWIM serves as an indispensable resource, offering an unmatched understanding of our nuclear weaponry arsenal and its historical development, from inception to the present.

Exclusively accessible to authorized individuals and students enrolled in courses such as the Nuclear Weapons Orientation Course, this museum provides an immersive guided learning experience. Under the expert guidance of history subject matter experts, visitors gain knowledge through a captivating array of historical training aids, components, and displays sourced directly from the U.S. stockpile. This unique learning experience fosters an intimate understanding of nuclear capabilities, ensuring a thorough and enlightening educational journey.

NUCLEAR WEAPONS INSTRUCTIONAL MUSEUM GUIDED TOURS

Tours of the Nuclear Weapons Instructional Museum (NWIM) can be organized on Tuesdays, Wednesdays, and Thursdays, subject to eligibility. Individuals and groups meeting the required security clearance levels, caveats, and who have successfully completed/submitted a Visitor Access Request (VAR) as per DTRA policy are welcome to visit DNWS for a guided tour.

A DNWS instructor begins an NWIM tour in the unclassified Leon Smith Memorial Room, recounting the story of the Trinity Site Gadget test at White Sands Missile Range.

DNWS TOUR REQUEST PROCEDURES

The following actions are required to request and book a tour of the NWIM:
All tour attendees requesting entry into the classified museum must possess at a minimum a DOD SECRET clearance with Restricted Data (RD) and Critical Nuclear Weapons Design Information (CNWDI) caveats, or a DOE "Q" clearance. Please note that these caveats are not automatically included in a Secret or Top Secret clearance and require read-in by the owning organization to these respective programs if the personnel have a need to know. Personnel will not be read-in to RD and CNWDI by DNWS.

Please contact the NWIM scheduler via email at *dtra.kirtland.ne.mbx.dnws-nwim@mail.mil* or via telephone at (505) 853-6383 for availability and scheduling. All tour requests will submit a roster of attendees no later than 14 days prior to the visit. Rosters will be submitted to the NWIM scheduler at *dtra.kirtland.ne.mbx.dnws-nwim@mail.mil.*

DOE INSTRUCTIONS

DOE Personnel with a current Q clearance must have their security/badging office submit a DOE Form 5631.20 signed by their applicable security personnel and submitted to the DTRA ABQ Visitor control electronically at *dtra.kirtland.oi.list.oi-msca-abq-visitor-control@mail.mil.*

Please enter information on DOE Form 5631.20 as it appears below:

- **NAME OF FACILITY TO BE VISITED:** Defense Threat Reduction Agency// Defense Nuclear Weapons School
- **FOR THE INCLUSIVE DATES:** Enter Tour Date Only
- **FOR THE PURPOSE OF:** Nuclear Weapons Instructional Museum
- **TO CONFER WITH THE FOLLOWING PERSON(S):** DNWS Training Area Management (TAM)
- **CONTACT PHONE:** 505-853-6383
- **ACCESS REQUESTED TO:** Restricted Data (Check RD Box)
- **OTHER CLASSIFIED INFORMATION:** Yes (Check CNWDI Box)

DOD INSTRUCTIONS

DOD organizations will submit a visit request in DISS with the following information:

- **SMO CODE:** DTRA-ABQ-1
- **POC FOR DISS:** DNWS Training Area Management (TAM), 505-853-6383
- **DATES:** Enter Tour Date Only

Please direct all clearance inquiries or verifications to DTRA Security/Visitor Control. The NWIM does not handle any aspects of the security process.

The following items are not permitted in the NWIM:

- Backpacks/purses of any kind (storage area available outside the NWIM)
- Food or drinks
- Cell phones
- Bluetooth devices (exceptions can be made for medical devices. Contact DTRA Security at 505-846-0116)
- Smart watches
- Items with data ports (including pedometers)
- Automobiles key fobs with two-way data transmission capability (Tesla)
- One-Way Pagers

Members of the Bureau of Arms Control, Deterrence, and Stability (ADS) pose with a replica of the Gadget, donated to DNWS by Dr. Glenn McDuff, originally featured in the television series Manhattan.

50 COLLEGE CREDIT AND RECOGNITION FOR DNWS COURSES

COLLEGE CREDIT AND CERTIFICATION COURSES

COLLEGE CREDIT AND RECOGNITION FOR DNWS COURSES

The American Council on Education (ACE) has recommended college credit for nine (9) DNWS courses, designated by the ACE logo in the respective course description. ACE is the major coordinating body for all of the nation's higher education institutions and provides a unifying voice on key higher education issues. DNWS has also partnered with the following colleges and universities to simplify credit transfers: Strayer University, SUNY Empire State College, Colorado Technical University, University of Maryland University College (UMUC), and National American University (NAU) Henley-Putnam School of Strategic Security.

For more than 30 years, colleges and universities have trusted ACE to provide reliable course equivalency information to facilitate their decisions to award academic credit. For more information, visit the website at:
https://www.acenet.edu/newsroom/ Pages/The-ACE-CREDIT-College -and-University-Network.aspx.

Additionally, DNWS participates in the ACE CREDIT Transcript Service. The Transcript Service offers a lifelong record for students who have successfully completed DNWS courses that have been evaluated and recommended by ACE CREDIT. For more information, visit the ACE CREDIT Transcript Service website at:
https://www.acenet.edu/higher-education/topics/Pages/Transcript-Services.aspx.

DNWS has also received accreditation/certification from the Joint Staff and New Mexico Department of Public Safety for several courses. Courses with these accreditation/certifications will show the designation in the endorsements field of the course description. See below for more details.

THE JOINT STAFF (JCS) CERTIFICATION

There are currently nine (9) DNWS courses that have joint certification. The Joint Staff Directorate for Joint Force Development (J7) certifies certain joint courses offered by DNWS for discretionary points toward Joint Qualified Officer (JQO) designation through the experience path of the Joint Qualification System (JQS). Students in the grades of O-1 through O-6 may self-nominate their experiences and submit course certificates to https://milconnect.dmdc.osd.mil/milconnect/. Select "Viewing Your Joint Officer History" to view your status towards becoming a JQO, and to request award of joint experience points. This input will be reviewed by the proper Joint Officer Matters channels of the respective service branches to obtain JQS credit.

NEW MEXICO DEPARTMENT OF PUBLIC SAFETY (NMDPS) ACCREDITATION

The New Mexico Department of Public Safety has accredited five (5) of our courses. These courses meet the requirements for the Continuing Education Program (CEP) for First Responders. Once students complete one or more of these classes, they may download a certification letter from the transcript page. Students must use this letter in conjunction with the certificate to receive credit from the NM DPS Training Center.

DNWS TRAINING CERTIFICATION PROGRAMS

The DNWS offers a variety of training certification programs to prepare personnel to perform specific functions associated with nuclear weapons, incident/accident response, incident command and control, security, and CBRN modeling. These certification programs are intended to raise professional standards and to recognize and document the achievement of those standards. In most cases, the certificates earned through the DNWS have no expiration date. Certification within a program demonstrates an individual's competency in a specific subject area within the DNWS. Training certifications pertaining to specific organizations are developed and managed in close coordination with the proponent organization and in accordance with their requirements.

NUCLEAR RESPONSE CERTIFICATION PROGRAM

The Nuclear Response Certification Programs is designed to develop the practical skills required for personnel to conduct an initial evaluation of an incident/accident environment. While appropriate for any personnel requiring skills to respond to a radiological hazard, the nuclear response certification program supports and integrates into the overall WMD-CST certification established by the National Guard Bureau (NGB). This program is not intended to replace any WMD-CST training otherwise established by the NGB.

- Basic Incident Response (BIR) Certificate (ARRT-2)
- Advanced Incident Response Certificate (BIR Certificate + NETOPS)

NUCLEAR WEAPONS CERTIFICATION PROGRAMS

The Nuclear Weapons Certification Programs are designed for personnel with responsibilities in the Nuclear Enterprise, such as 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 in other components of the Nuclear Enterprise such as: nuclear weapons intelligence, nuclear weapons maintenance, nuclear weapons operations, and nuclear weapons security.

- Basic Nuclear Weapons Certificate (NWOC)
- Intermediate Nuclear Weapons Certificate (Basic Nuclear Weapons Certificate + NUCPOL)
- Advanced Nuclear Weapons Certificate – Operations (Intermediate Nuclear Weapons Certificate + TNOC)
- Advanced Nuclear Weapons Certificate – Surety (Intermediate Nuclear Weapons Certificate + JNSEC)

NUCLEAR MATTERS CERTIFICATION PROGRAM

The Nuclear Matters Certification Program is designed for personnel with responsibilities in nuclear weapons stockpile management and stewardship. The purpose of this certification program is to provide the candidate with familiarization in nuclear weapons and radiological incident/accident response; past and current U.S. nuclear policy; and basic Planning, Programming, Budget, and Execution (PPBE) and acquisitions.

- NWOC
- NUCPOL
- ACQ1010 or ACQ101

USAF SECURITY FORCES (SF) NUCLEAR SECURITY CERTIFICATION TRAINING PROGRAM (NSCTP)

NSCTP is designed for USAF SF personnel with responsibilities dealing with security of nuclear weapons. Level I certification is designed for SF nuclear security flight leadership such as flight chiefs, flight commanders, convoy commanders, flight security Officers, and similar personnel. Level II certification is designed for SF nuclear security group/squadron leadership such as group commanders, squadron commanders, SF operations officers, SF managers, SF operations superintendents, and similar personnel. Level III certification is designed 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 Nuclear Flight Certification (NWOC)
- Level II, USAF SF Nuclear Group/Squadron Certification (Level I + NWTIC)
- Level III, USAF SF Nuclear Policy Certification (Level II + JNSEC)

INCIDENT COMMAND AND CONTROL CERTIFICATION PROGRAM

Certification Program is designed for personnel with command and control responsibilities in the event of an incident/accident involving WMD. This certificate is particularly valuable for combatant command staff members, joint task force staff members, or personnel working in similar capacities.

- Incident Command and Control Certificate (NWIRT)

EOD WMD CERTIFICATION PROGRAM

The EOD WMD Certification Program is designed to develop the practical skills required for EOD personnel across DOD to respond to a nuclear weapons accident/incident as part of the Initial Response Force (IRF) and perform appropriate Phase 0 requirements based on Federal guidance, to include Presidential Policy Directives (PPD), and DOD regulations. While appropriate for all general support EOD personnel requiring skills to respond to a nuclear weapon accident and nuclear incident, the EOD WMD Certification Training Program supports and integrates into the overall whole-of-government accident/incident response structure. This program is not intended to replace any EOD WMD training otherwise established by the individual services.

- EOD WMD Certificate (ARRT-1 + ADT-1 + ADT-2 + JNEODC)

CBRN MODELING CERTIFICATION PROGRAMS

The CBRN modeling certification programs 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 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 (HPAC-1 + HPAC-2)
- Advanced CBRN Modeling Certificate (HPAC certificate + GACA)

Personnel who have completed the criteria for a certification program may apply for certificates through the DNWS Registrar. 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 DNWS Certificate of Training in the applicable certification program. For further details on these certificate programs, see https://dnws.dtra.mil/.

An Explosive Ordnance Disposal (EOD) team marks and identifies weapon components during a nuclear accident response field training exercise, as part of JNEODC curriculum. The training is conducted on DTRA thorium-seeded training sites located on Kirtland AFB, Albuquerque, New Mexico.

APPENDICES

DNWS TRAINING SITES

One of the most unique aspect to DNWS is our practical training. New Mexico's distinct legacy within the Nuclear Enterprise makes it the premiere locale for practical radiological and nuclear weapons training.

Located on Kirtland AFB, DNWS has access to several special training sites. The use of these sites is incorporated into many of the school's courses to reinforce the concepts and procedures explained in the classroom. In practical exercises, students are given the opportunity to recognize threats in real-time; don and use Personal Protective Equipment (PPE); and practice response or search procedures using the actual equipment fielded to their parent organization. DNWS would not be able to provide these unique training experiences without the use of these training sites.

OPERATIONS/TRAINING – 10 (OT-10) SITES

Called OT-10 sites by the Air Force, Training Sites 1 - 4 are the remainder of eight original sites developed by the school in 1961, largely in response to the Palomares nuclear weapons accident in Spain. The Palomares accident challenged responders with large scale radiological monitoring and clean-up operations. Eight fields were chosen and seeded with natural thorium, which is slightly radioactive, to create areas of detectable, elevated radiological background. The four sites still in use have a variety of aircraft or vehicle wreckage that students must navigate while employing detectors. Today, these sites are the only training areas of their type available to the DOD, to safely practice working in elevated background.

NETOPS, JNEODC, ARRT-2 and B/IRNT courses feature practical exercises using these training sites for exercises and tailored training as well.

DNWS ADVANCED RADIOLOGICAL TRAINING SITE (DARTS)

The DARTS is a distinctive underground facility with over 12,000 square feet of enclosed training space. Formerly the Advanced Research EMP Simulator (ARES) facility, DARTS was first used by DNWS as a training site in 2018. Over the past three years, the DNWS team has gradually rehabilitated the facility from a testing platform into an invaluable training site that can replicate a variety of industrial facilities. Coordinated maintenance by the 210th RED HORSE Squadron has also freed up previously unusable underground areas adjacent to the facility that could be expanded into future training space.

ADT-2 and BIRNT courses feature practical exercises using this training site. The site is available for exercises and tailored training as well.

DNWS HISTORY

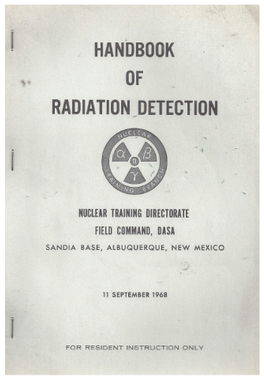
Lieutenant General Leslie Groves, the director of the Manhattan Project, established the Armed Forces Special Weapons Project (AFSWP) on the U.S. Army's Sandia Base in 1947. General Groves hand selected 63 West Point graduates to man the AFSWP. These men were known as the Sandia Pioneers. One pioneer with an advanced degree and a background in military training, Colonel John A. Ord, was chosen to establish the Technical Training Group (TTG) to provide integral training in this revolutionary new warfare specialty.

The original core curricula was focused on the complex assembly of the first nuclear weapons. Nuclear weapon response was included as "disaster and salvage" training within these early courses, with nuclear bomb disposal classes added as early as 1948. Nuclear weapons orientation classes were also provided. As nuclear weapons evolved, the services took over more of the hands-on training of their weapons technicians while the school added more radiological defense training.

Today, the DNWS operates DOD's only radiological training sites. These sites are thorium-seeded fields that DNWS instructors use as an integral part of field training for radiological emergency team members. DNWS conducts a variety of radiological accident exercises at these training sites, as well as other local training areas, providing a realistic environment where students can apply their classroom knowledge. Students receive hands-on instruction and experience in the use of radioactivity monitoring instruments; and the proper donning of personal protective equipment.

In addition, DNWS manages and operates the only DOD classified Nuclear Weapons Instructional Museum (NWIM). The NWIM is an irreplaceable repository that traces the history and development of the U.S. nuclear weapons stockpile from its inception to the present and displays examples of all stockpiled U.S. nuclear weapons, associated components and some delivery systems. The school also maintains unclassified displays of radiological detectors and technologies along with some examples from the nuclear materials cycle.

Images from a 1956 issue of Popular Mechanics illustrating radiation safe-handling techniques and securing classified notes. The DNWS has consistently operated a print plant for producing student references, as shown by the September 1968 Handbook of Radiation Detection.



59 DNWS FY25 COURSE CALENDAR

CALENDAR

NUCLEAR WEAPONS ORIENTATION, POLICY AND SENIOR EXECUTIVE TRAINING												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
JNSEC			4-5			26-27						
NUCPOL	21-25			6-10	3-7		(28	-2)			11-15	
NWOC		4-8	9-13	27-31	10-14	3-7	14-18	12-16	9-13		25-29	
NWOC (MTT)		19-21				18-20		6-8				

NUCLEAR WEAPONS INCIDENT, ACCIDENT AND RESPONSE TRAINING												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
NETOPS		12-22		6-17	3-14	10-21 (31	-11)	12-23	2-13			8-19
NETOPS (MTT)	22	-1										
NWIRT-DB						25-27						
NWIRT-DB (MTT)	29-31		3-5		25-27		22-24	5-7		22-24	5-7 26-28	23-25
NWIRT-DE (MTT)												
NWIRT-OB (MTT)												
NWIRT-OE (MTT)												

CWMD RADIOLOGICAL AND NUCLEAR TRAINING												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
ARRT-2			2-6		24-28			5-9	23-27			8-12
B/IRNT		18-22		27-31		10-14						22-26
CRNOS												

EXPLOSIVE ORDNANCE DISPOSAL SPECIALTY TRAINING												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
ADT-1			2-6	27-31	24-28		7-11			14-18	11-15	
ADT-2			9-13		3-7	3-7	14-18			21-25	18-22	
JNEODC			16-20		10-14	10-14	21-25			(28	-1) 25-29	
WREC										9-11		

HOSTED COURSES												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
FA-52 QC 2										(7	-1)	
GACA-1							7-11					
GACA-2												
HANE					3-5			5-7				
HPAC-1	21-25	18-22	16-20		10-14		7-11	5-7				
HPAC-2-CBR		18-22				10-14						
HPAC-N			9-13			24-28						
IMEA-1				27-31								
IMEA-2-C												
IMEA-N							7-11					
JCPC			2-6		3-7							
MAAC	(28	-1)		20-24			7-11		9-13			1-5
MEIR				13-17						14-18		
NATS-CA					10-14							
NATS-CA-N	(28	-1)										
NWTIC	7-10 22-25	18-21				17-20			9-12		11-14	
TNOC	21-25		2-6	13-17 27-31			21-25 (28	-2)	(30	-3)		8-12 22-26
VAPO-1	7-11											
VAPO-2								19-23				

Please check the DNWS website (https://dnws.dtra.mil) for the most recent information, or contact the DNWS registrar for specific requests.

(-) denotes class carried over one month to another.

OCTOBER 2024

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5
6	7	8	9	10	11	12
	NWTIC BARKSDALE AFB, LA					
	VAPO-1 ALEXANDRIA, VA					
13	14	15	16	17	18	19
20	21	22	23	24	25	26
	NUCPOL					
	TNOC FORT BELVOIR, VA					
	HPAC-1 ALEXANDRIA, VA					
		NWTIC SPANGDAHLEM AB, GERMANY				
		NETOPS (MTT) BANGOR, WA				
27	28	29	30	31		
		NWIRT-DB (MTT) KINGS BAY, GA				
NETOPS (MTT) BANGOR, WA						
	MAAC CAMP HUMPHREYS, REPUBLIC OF KOREA					
	NATS-CA-N OFFUTT AFB, NE					

NOVEMBER 2024

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
					NETOPS (MTT)	
					MAAC	
					NATS-CA-N	
3	4	5	6	7	8	9
	NWOC					
10	11	12	13	14	15	16
		NETOPS				
17	18	19	20	21	22	23
		NWOC (MTT) MALMSTROM AFB, MT				
NETOPS						
	B/IRNT					
	HPAC-1					
	HPAC-2-CBR ALEXANDRIA, VA					
	NWTIC					
24	25	26	27	28	29	30

DECEMBER 2024

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4	5	6	7
			JNSEC			
		NWIRT-DB (MTT) BANGOR, WA				
	ARRT-2					
	ADT-1					
	JCPC FORT BELVOIR, VA					
	TNOC OFFUTT AFB, NE					
8	9	10	11	12	13	14
	NWOC					
	ADT-2					
	HPAC-N OFFUTT AFB, NE					
15	16	17	18	19	20	21
	JNEODC					
	HPAC-1 ALEXANDRIA, VA					
22	23	24	25	26	27	28
29	30	31				

JANUARY 2025

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2	3	4
5	6	7	8	9	10	11
	NUCPOL					
	NETOPS					
12	13	14	15	16	17	18
NETOPS						
	MEIR					
	TNOC FORT BELVOIR, VA					
19	20	21	22	23	24	25
	MAAC MACDILL AFB, FL					
26	27	28	29	30	31	
	NWOC					
	B/IRNT					
	ADT-1					
	IMEA-1 ALEXANDRIA, VA					
	TNOC					

FEBRUARY 2025

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3 NUCPOL NETOPS ADT-2 HANE (MTT) OFFUTT AFB, NE JCPC FORT BELVOIR, VA	4	5	6	7	8
9 NETOPS	10 NWOC JNEODC HPAC-1 ALEXANDRIA, VA NATS-CA	11	12	13	14	15
16	17	18	19	20	21	22
23	24 AART-2 ADT-1	25 NWIRT-DB (MTT) BARKSDALE AFB, LA	26	27	28	

MARCH 2025

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3 NWOC ADT-2	4	5	6	7	8
9	10 NETOPS B/IRNT JNEODC HPAC-2-CBR	11	12	13	14	15
16 NETOPS	17 NWTIC	18 NWOC (MTT) BARKSDALE AFB, LA	19	20	21	22
23 / 30	24 / 31 HPAC-N NETOPS	25 NWIRT-DB HPAC-N ALEXANDRIA, VA	26 JNSEC	27	28	29

APRIL 2025

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1 NETOPS	2	3	4	5
6 NETOPS	7 ADT-1 GACA-1 HPAC-1 IMEA-N (MTT) OMAHA, NE MAAC AL UDEID, QATAR	8	9	10	11	12
13	14 NWOC ADT-2	15	16	17	18	19
20	21 JNEODC TNOC WEISBADEN, GERMANY	22 NWIRT-DB (MTT) BANGOR, WA	23	24	25	26
27	28 NUCPOL TNOC STUTTGART, GERMANY	29	30			

MAY 2025

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1 NUCPOL TNOC STUTTGART, GERMANY	2	3
4	5 NWIRT-DB (MTT) NATIONAL CAPITAL REGION ARRT-2 HANE ALEXANDRIA, VA HPAC-1	6 NWOC (MTT) STRATCOM, NE	7	8	9	10
11	12 NWOC NETOPS	13	14	15	16	17
18 NETOPS	19 VAPO-2 ALEXANDRIA, VA	20	21	22	23	24
25	26	27	28	29	30	31

JUNE 2025

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4	5	6	7
	NETOPS					
8	9	10	11	12	13	14
NETOPS	NWOC					
	MAAC STUTTGART, GERMANY					
	NWTIC					
15	16	17	18	19	20	21
22	23	24	25	26	27	28
	ARRT-2					
29	30					
	TNOC FORT BELVOIR, VA					

JULY 2025

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5
	TNOC FORT BELVOIR, VA					
6	7	8	9	10	11	12
	FA-52 QC PHASE 2					
			WREC			
13	14	15	16	17	18	19
	ADT-1					
FA-52 QC PHASE 2						
	MEIR					
20	21	22	23	24	25	26
		NWIRT-DB (MTT) WHITEMAN AFB, MO				
	ADT-2					
FA-52 QC PHASE 2						
27	28	29	30	31		
	JNEODC					
FA-52 QC PHASE 2						

AUGUST 2025

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
					JNEODC	
					FA-52 QC 2	
3	4	5	6	7	8	9
		NWIRT-DB (MTT) MINOT AFB, ND				
10	11	12	13	14	15	16
	NUCPOL					
	ADT-1					
	NWTIC					
17	18	19	20	21	22	23
	ADT-2					
24 / 31	25	26	27	28	29	30
	NWOC					
		NWIRT-DB (MTT) FE WARREN AFB, WY				
	JNEODC					

SEPTEMBER 2025

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3	4	5	6
	MAAC STUTTGART, GERMANY					
7	8	9	10	11	12	13
	NETOPS					
	ARRT-2					
	TNOC FORT CAVOS, TX					
14	15	16	17	18	19	20
NETOPS						
21	22	23	24	25	26	27
		NWIRT-DB (MTT) MALMSTROM AFB, MT				
	B/IRNT					
	TNOC CAMP HUMPHREYS, REPUBLIC OF KOREA					
28	29	30				

DEFENSE NUCLEAR WEAPONS SCHOOL
FY25 RADIOLOGICAL AND NUCLEAR TRAINING CATALOG

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