



Course Catalogue 2024

Joint Chemical, Biological, Radiological and
Nuclear Defence Centre of Excellence



Publisher: JCBRN Defence COE
Editor-in-chief: COL Michael FIRMIN
Collected and edited by: WO Roman SCHINDLER
Design and Graphics: WO Pavel SKOPAL
Proofreading: COL Michael FIRMIN

Printed by: MS Line, s.r.o.
Edition: 400 copies
Publication issued: December 2023
Photographs: Archive JCBRN Defence COE

© JCBRN Defence COE

About JCBRN Defence COE: The JCBRN Defence COE is a NATO Military Body and multi-nationally sponsored organization which offers recognized expertise and experience to the benefit of the Alliance and other partners. Its activities are focused on NATO transformation process, operational support by providing a CBRN defence technical and scientific advice and support of CBRN defence education, training and exercises.

Mission Statement: The Centre provides advice in all CBRN defence-related areas; develops CBRN defence doctrines, standards and knowledge to support the improvement of interoperability and capabilities; provides opportunities to enhance education and training; contributes to the lessons learned processes; and within an approved Programme of Work (POW), assists NATO, Sponsoring Nations and Partners in their CBRN defence related efforts including validation through experimentation and operational support (technical and scientific CBRN Reachback).

Vision: The JCBRN Defence COE leads institutional and operational efforts to support NATO capability development, mission effectiveness, and interoperability. Through the approved POW, the JCBRN Defence COE strives to promote adaptive and innovative methods for preventing proliferation of Weapons of Mass Destruction (WMD) and protecting against CBRN incidents.

Who We Are / What We Do: The Centre combines skills and expertise from more than 70 personnel from fourteen nations in the areas of CBRN concept and doctrine, capabilities development, defence planning, experimentation, training, exercises, education, lessons learned, CBRN reachback, modelling & simulation; acts as NATO Department Head for WMD/CBRN defence training and education; and acts as European Union Military Training Discipline Leader for WMD/CBRN. The Centre also forms the core of the NATO CBRN reachback capability providing timely, coordinated, authoritative and detailed technical and scientific support to the Alliance. Particularly, the Centre provides advice on CBRN hazards and defensive countermeasures, drawing upon remote expert sources of information. The Centre is also expanding outreach efforts beyond a purely military focus to civil-military, European Union, other international organizations, academia, industry cooperation and developing its internship programme.



WMD-MD-21769

**International Radiological and Nuclear Training for Emergency Response
(I-RAD)**

13 May - 17 May 2024

Status: Listed

ETOC Code: WMD-CD-21769

Security level: NATO Unclassified releasable to PfP, MD, ICI, PatG*

Course Fee: 2 500 CZK (approx. 100 EUR)**

Seats: min 18, max 24 participants

Deadline for enrollment: 31 March 2024

Venue: JCBRN Defence COE, Vyškov, Czech Republic

The aim of this course is to provide radiation protection specialists, first responders, law enforcement, and emergency managers with the practical knowledge needed to effectively respond to a radiological mishap. Instruction is provided through briefings, equipment demonstrations, and field exercises employing a wide variety of radiation detection instrumentation, radiation sources, and Personal Protective Equipment (PPE).

Learning Objective: The course covers response methods to a variety of nuclear and radiological incidents, including search, response to a portal alarm, and consequence management in the event of a radiological material release, ranging from a small, localized release to a larger incident such as one caused by a radiological dispersal device. Upon successful completion, students will understand the principles needed to organize and conduct a radiological emergency response, have practical experience applying those principles in realistic scenarios, and understand how to protect themselves and the public from contamination.

Expected Training Audience: This course is designed for emergency response personnel and other experienced professionals actively seeking refresher training.

** PfP – Partnership for Peace; MD – Mediterranean Dialogue; ICI – Istanbul Cooperation Initiative; PatG – Partners across the Globe*

*** no fee for the JCBRN Defence COE Sponsoring Nations and Contributing Partner*

WMD-MD-36866
NATO's Activities Countering WMD Course

20 May - 24 May 2024



Status: NATO Approved
ETOC Code: WMD-MD-36866
Security level: NATO Unclassified releasable to PfP, MD, ICI, PatG*
Course Fee: 2 500 CZK (approx. 100 EUR)**
Seats: min 15, max 25 participants
Deadline for enrollment: 7 April 2024
Venue: JCBRN Defence COE, Vyškov, Czech Republic

This course familiarizes each participant with NATO Counter-WMD doctrine and approaches by providing an introduction to NATO Counter-WMD activities and planning considerations. Successful completion of this course will enable participants to incorporate counter-WMD activities into their NATO planning efforts.

Learning Objective: Through this course each student will gain an understanding of current and emerging WMD/CBRN threats; national counter-WMD doctrine, strategy, and policy; and the non-proliferation and counter-proliferation roles and responsibilities of select international organizations. The course further explains NATO's role in preventing WMD proliferation, its role in counter-proliferation and counter-WMD, and the relationship between CBRN defence and counter-WMD. The course will provide its participants with an understanding of MC 0635 (WMD Disablement Functional Concept); and counter-WMD planning considerations in accordance with AJP – 3.23 (Counter WMD in Military Operations). Upon successful completion, participants will understand the differences between NATO and national counter-WMD activities as outlined in AJP – 3.23.

Expected Training Audience: Planners from NATO Command and Force Structures, national Ministries of Defence, subordinate military headquarters or agencies, and counter-WMD entities and staff (Intelligence, CBRN Defence, EOD, C-IED, MP, SOF, etc). Attendees should be military officers (OF-3 through OF-5), NCOs (OR-7 through OR-9), or their civilian equivalents.

* PfP – Partnership for Peace; MD – Mediterranean Dialogue; ICI – Istanbul Cooperation Initiative; PatG – Partners across the Globe

** no fee for the JCBRN Defence COE Sponsoring Nations and Contributing Partner

WMD-MD-25631
CBRN Warning and Reporting Centre Management Course

11 June - 13 June 2024



Status: NATO Approved
ETOC Code: WMD-MD-25631
Security level: NATO Unclassified releasable to PfP, MD, ICI, PatG*
Course Fee: 2 500 CZK (approx. 100 EUR)**
Seats: min 12, max 25 participants
Deadline for enrollment: 28 May 2024
Venue: JCBRN Defence COE, Vyškov, Czech Republic

This course trains CBRN W&R Centre personnel to create inputs for NATO or national CBRN systems. Through this course, participants will be able to process information to provide operational command and other decision-makers with real-time guidance on the current CBRN operational environment needed to aid a headquarters decision-making process.

Learning Objective: This course describes a CBRN W&R organization's responsibilities, principles, and procedures. Participants will practice CBRN Centre W&R organization work, operations, and procedures during both a NATO Article 5 and non-Article 5 crisis response operations. Upon course completion, the participant will gain mastery of how to use CBRN-Analysis for automated CBRN W&R systems and other CBRN knowledge management functional areas, skills needed to understand the organization and responsibilities, principles, and procedures for use in an automated CBRN centre.

Expected Training Audience: This course is designed for CBRN personnel who are responsible for creating a CBRN W&R plan or managing a CBRN W&R organization - e.g., an Area Control Centre (ACC) or Zone Control Centre (ZCC).

* PfP – Partnership for Peace; MD – Mediterranean Dialogue; ICI – Istanbul Cooperation Initiative; PatG – Partners across the Globe

** no fee for the JCBRN Defence COE Sponsoring Nations and Contributing Partner

WMD-MD-31883
Live Agent Training

30 September - 04 October 2024



Status: Listed

ETOC Code: WMD-MD-31883

Security Level: Non-sensitive information releasable to the public

Course Fee: 89 000 CZK (approx. 3 600 EUR)

Seats: min 18, max 20 participants

Deadline for enrollment: 19 August 2024

Venue: Military Research Institute - Testing & Training Facility, Vyškov, Czech Republic

This course is designed to provide students with the knowledge, skills, and abilities needed to work confidently, while wearing Personal Protective Equipment (PPE), in a toxic environment. Through this training, course participants will understand and be able to apply safe work practices, and develop a greater appreciation of the equipment and methods needed for chemical agent detection and decontamination.

Learning Objective: Upon course completion, each student will understand how to protect themselves against current global chemical threats, chemical agent detection procedures, and the execution of immediate and operational decontamination procedures.

Expected Training Audience: Students should have a common level of knowledge to work safely and effectively in a toxic environment.

Preconditions for Participation: All participants must present a standardized physician's confirmation letter stating they are at the appropriate fitness level to participate in Live Agent Training (LAT). Participants must have a clean-shaven face (mustaches are permitted) to ensure a proper seal of the protective mask. A blood draw will be taken from each student prior to the beginning of LAT activities. A second draw will be taken at the end of the training.

Students who have been accepted into the course will receive a notification and an invoice. They will then have two weeks to pay their outstanding course fee in full, a date that will be specified on the course notification. Students who fail to make this payment in full by the suspense will forfeit their course slot, and a replacement student will be identified from the course waitlist.

WMD-MD-25633
CBRN Consequence Management Course

25 November - 29 November 2024



Status: NATO Approved

ETOC Code: WMD-CD-25633

Security level: NATO Unclassified releasable to PfP, MD, ICI, PatG*

Course Fee: 2 500 CZK (approx. 100 EUR)**

Seats: min 15, max 25 participants

Deadline for enrollment: 13 October 2024

Venue: JCBRN Defence COE, Vyškov, Czech Republic

This course introduces the student to CBRN consequence management (CM) and the NATO CM concept, organization, systems, and procedures. This includes an explanation of the current CBRN crisis/consequence management civilian-military interaction and partnership initiatives between NATO and partner nations.

Learning Objective: This course provides lessons learned from recent NATO consequence management activities and exercises and identifies the importance of established Rules of Engagement (ROE) during CM response operations. The course further considers the importance of information sharing with the public and media activities during all phases of a CM response effort.

Expected Training Audience: This course was developed for key members of the CM community, including police officers, firefighters, medical service professionals, military, civil defence, emergency management authorities, communications teams, and other specialist teams such as counterterrorism units and investigatory agency members.

* PfP – Partnership for Peace; MD – Mediterranean Dialogue; ICI – Istanbul Cooperation Initiative; PatG – Partners across the Globe

** no fee for the JCBRN Defence COE Sponsoring Nations and Contributing Partner

2024 JCBRN Defence COE Course Schedule

ETOC Code	Course Name	Status	Dates
WMD-MD-21769	International Radiological and Nuclear Training for Emergency Response	Listed	13 – 17 May
WMD-MD-36866	NATO's Activities Countering WMD Course	Approved	20 – 24 May
WMD-MD-25631	CBRN Warning and Reporting Centre Management Course	Approved	11 – 13 Jun
WMD-CD-31883	Live Agent Training	Listed	30 Sep – 4 Oct
WMD-CD-25633	CBRN Consequence Management Course	Approved	25 – 29 Nov

Registrations for all courses may be completed at our website: <https://www.jcbrncoe.org>.

Approximately six weeks prior to the start of each course you will receive an e-mail stating whether you have been enrolled in the course, or if the course has been cancelled.

All courses, except for Live Agent Training, are **free for all JCBRN Defence COE Sponsoring Nations and the Contributing Partner**, all others will pay 2 500 CZK (approximately 100 EUR). The fee for Live Agent Training is 89 000 CZK (approximately 3 600 Euro) for all participants. Payment specifications will be provided to you in acceptance email.

Please continue to monitor our website as additional courses may be added to the schedule.

Please do not hesitate to contact us at courses@jcbrncoe.org if you have any questions or concerns.



This Publication reflects the position, views, findings, interpretations and conclusions of its author(s) as an independent academic opinion. This Publication is not NATO endorsed or approved document and does not neither reflect NATO's policies or positions or individual governments nor reflect JCBRN Defence COE policies or positions or its Sponsoring Nations and Contributing Partner. Although the JCBRN Defence COE has invested the utmost care in its preparation, the JCBRN Defence COE does not accept any liability for the accuracy and completeness of any information, instructions and advice provided, as well as for misprints. No claims can be made against the JCBRN Defence COE with respect to potential consequences from the reliance on information or conclusions contained in this Publication.



Joint Chemical, Biological, Radiological and Nuclear Defence Centre of Excellence

Víta Nejedlého
682 01 Vyškov
Czech Republic

+420 973 452 866
courses@jcbrncoe.org

<https://www.jcbrncoe.org>

