

CBRN MEDICAL TRAINING PANEL (MTP)

22 September 2026

CBRN MTP



**Invitation Letter
Exercise CLEAN CARE 2027**

**14 - 27 June 2027
Suffield, CANADA**

Ref. Nr: CBRN MTP 2026/OFF-62
TO: SEE DISTRIBUTION LIST
SUBJECT: **INVITATION TO EXERCISE CLEAN CARE 2027 LIVEX**
DATE: 14 - 27 June 2027
FORM: LIVEX
TYPE: MEDEX
REFERENCES: A. Bi-SC Directive 075-003
B. EXSPEC (ExCC27 LIVEX)
C. AMedP-7.3
D. ACO Directive (AD) 083-004
E. MC 0693

Dear Colleagues,

It is with great pleasure that the NATO CBRN Medical Training Panel (CBRN MTP) in cooperation with the CBRN Medical Working Group Co-Chairs and the Canadian Armed Forces, invite you to the NATO Exercise CLEAN CARE 2027 LIVEX taking place on 14 - 27 June 2027 in Suffield, Canada.

INTRODUCTION

Exercise Clean Care (ExCC) is an official NATO exercise owned by the Committee of the Chiefs of Military Medical Services (COMEDS). It is a biennial tactical level exercise conducted in a Chemical Biological Radiological Nuclear (CBRN) environment and provides a collective training opportunity for medical and CBRN defence units and personnel. The exercise supports a CBRN medical education, training, exercise and evaluation (ETEE) programme in support of the 2022 NATO CBRN Defence Policy, AD 083-004 and MC 0693. The aim of the ExCC series is to exercise integration, communication, and interoperability between deployed NATO medical support, CBRN defence capabilities, and reach back elements, at a tactical, operational and strategic level, to provide CBRN medical support on multi-domain operations.

ABOUT EX CLEAN CARE; EXPERIMENTATION AND TRAINING OBJECTIVES

In accordance with AJMedP-7, the aim of ExCC is “to exercise NATO interoperability between defence and medical capabilities, at a tactical level, to provide CBRN medical support including the management of any casualty in a CBRN environment from point of exposure through to a Role 2 Medical Treatment Facility in the land, air and maritime environment.”

To achieve that, ExCC usually simulates an Article 5 military conflict scenario in order to examine the impact of CBRN-related incidents on operational planning and force movement. Particular emphasis is placed on assessing the implications of various

CBRN incidents for medical support to deployed forces, including the coordination of CBRN defense and military medical capabilities in a complex and dynamic operational environment.

The mandated exercise objectives are:

- Exercise multinational CBRN defence and medical units together to assess, develop and improve CBRN medical capability and interoperability.
- Exercise civil-military medical cooperation in response to a CBRN terrorism and bio-response.
- Exercise enhanced CBRN first aid including trauma in the hot zone by non-medical responders.
- Exercise the management of CBR and combined casualties by medical personnel.
- Capture training media to support future training opportunities to increase resilience to a CBRN incident or outbreak.

The mandated experimentation objectives are:

- Trial different forms of CBRN casualty simulation to support future training and exercises.
- Trial Casualty Protective / MEDEVAC equipment and interoperability between NATO nations and civil health organizations.
- Observe and capture lessons from the management of fatalities in a CBRN environment at different points in the operational patient care pathway including CBRN forensics.
- Review extant publications in the AMedP-7 series.

The mandated training objectives are:

- Manage any casualty in a CBRN environment.
- Manage the medical aspect of a CBRN incident.
- Manage a chemical casualty.
- Manage a biological casualty including sepsis.
- Manage a radiological casualty.
- Exercise civil-military medical coordination.

EXERCISE FORMAT

ExCC is typically conducted as a five-day full-scale LIVEX, designed to provide a realistic, field-based training environment for the training audience (TA). ExCC follows a scenario-driven approach, with sequential injects requiring participants to execute medical CBRN response procedures in real-time and under operational conditions. The five-day LIVEX typically culminates in a Distinguished Visitors Day (DVD), showcasing key capabilities and activities, followed by a structured hot wash to capture immediate observations and initial lessons learned. While the core LIVEX execution spans five days, the overall exercise timeframe for the TA extends to approximately two weeks, including arrival, integration, and redeployment. For participants involved in preparatory CBRN training (e.g., the Emergency Medical Training (EMT) course or similar modules) the total duration may be longer, as these activities are usually conducted in the days preceding the LIVEX phase. This phased approach ensures that participants are adequately prepared and able to fully engage in the operational training environment.

CONCEPT OF EX CC27 LIVEX

ExCC27 LIVEX will be executed in the standard four phases of the exercise planning process outlined in BI-SC 075-003:

Phase 1: Foundation Training. Advanced Distributed Learning (ADL) 387 “NATO CBRN Medical Awareness Course” to be completed prior to ExCC27.

Phase 2: Crisis Response Planning. The EX will use an operations plan with CBRN and medical annexes (presumably based on a modified OCCASUS scenario).

Phase 3: Execution. The execution phase of ExCC27 will occur at the Suffield, CAN Training Area and potential supporting locations. This Phase will start with the initial exercise set-up, an offering of the NATO CBRN Emergency First Aid course, and all other remaining pre-exercise requirements. Phase 3 will include TA reception, cross-over briefings, and a five full-day LIVEX with DV day (21 – 25 June).

Phase 4: Assessment. The assessment phase will start during Phase 3 with collection of observations. The Assessment Phase will include the collation of observation and generation of Lessons Identified, the assessment of the delivery of the Exercise Objectives, and the assessment of the delivery of the Training Objectives. The assessment phase will continue in accordance with the NATO Lessons Learned Process reporting to the CBRNMed WG, COMEDS Plenary, and JCBRND-TEP. Medical lessons will be forwarded to the MilMed COE and CBRN defence specific lessons will be forwarded to the JCBRND COE.

TRAINING AUDIENCE

The primary training audience consists of medical units and treatment facilities (Role1, Role 2, Role 2 enhanced, MEDEVAC), CBRN defense enhanced generalist/specialist units, civilian first responders and MED-DOIT. The secondary training audience includes casualty decontamination units, medical C2, CBRN defense C2 as well as specialized assets such as Recce, SIBCRA, SIBA, deployable and reach back laboratories.

HOST NATION AND EXERCISE LOCATION

Canada will serve as the Host Nation for the 2027 LIVEX, which will be conducted at Canadian Forces Base Suffield, Canada. The LIVEX will run concurrently with PRECISE RESPONSE 2027 (PR27), while being conducted as a separate exercise at a different location.

PLANNING AND COORDINATION

Units interested in participating in the LIVEX are kindly requested to nominate up to two representatives to attend the ExCC27 **Main Planning Conference, to be held 1-2 October 2026 in Rome, Italy**. The nominated PAX should be in a position to represent their unit and speak on its behalf during the planning and coordination of the exercise. Their participation will provide an opportunity to contribute to the development of the LIVEX and ensure that the interests and capabilities of participating units are appropriately considered during the planning process.

POINTS OF CONTACT

Should you require any further information regarding the 2027 LIVEX, the MPC, or potential participation, please do not hesitate to contact the POCs listed below:

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Signed in original document by

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