**EADRCC Consequence Management Exercise "BOSNA I HERCEGOVINA 2017"**

In accordance with the Civil Emergency Planning Exercise Policy a consequence management field exercise will be conducted in September 2017, jointly organized by the Euro-Atlantic Disaster Response Coordination Centre (EADRCC) and Bosnia and Herzegovina, the hosting nation. The field exercise will be preceded by a training programme, a Table Top Exercise and a Command Post Exercise with the aim to train and exercise procedures for the Local Emergency Management Authority (LEMA), the UN model On-site Operation Co-ordination Centre (OSOCC) and liaison officers, as well as team leaders of participating consequence management teams.

**Lead-in Scenario**

## Initial disaster:

In early September 2017, heavy rainfall affected the wider area of northeast Bosnia and Herzegovina. By mid-September, rivers, lakes and reservoirs in the Sava River Basin were on the verge of flooding. On 20 September 2017, the River Bosnia and its tributaries flooded the region. Similar to the massive flooding of May 2014, the entire northeastern area of Bosnia and Herzegovina is affected.

The populated areas in Tuzla canton are heavily impacted. These areas include Tuzla city, Lukavac city, Gračanica city as well as settlements near Modrac Lake and along the river Spreča. The flash floods have triggered landslides on the slopes of urban and rural areas in the region. The landslides on Mount Majevica have already damaged 40 residential buildings including houses, schools, local clinics.

The consequences are devastating. The total number of victims is still being confirmed but at least 20 people remain missing or unaccounted for. Over 160 houses are destroyed or damaged resulting in the relocation of over 1500 residents throughout Tuzla canton. Important quantities of livestock in the region remain threatened. The supply of consumable goods (food, water, milk, hygiene needs etc.) is heavily impacted as 15 bridges were severely damaged and many roads were destroyed. Due to slippery pavement many car accidents were reported in the wider area of the canton, particularly in the area of Lukavac, Tuzla, Živinice, and Srebrenik, but also in the broader area of Majevica mountains and Bijeljina region. Most likely, the fresh water supply is contaminated with sewage and industrial run-offs. Unsubstantiated reports of unexploded ordnance and mines were registered in several locations previously thought to be cleared.

The health system is backlogged due to the high number of injured people. Local and regional communities, still not fully recovered after the floods in May 2014, are struggling to cope with the situation but quickly becoming overwhelmed as they lack sufficient response capabilities. After activating national response mechanisms, a request for international assistance is being considered as likely necessary.

## Second disaster:

On 21 September 2017 at 03:15 UTC, a Magnitude 5 Richter scale earthquake struck the wider area of Lukavac. The devastating earthquake lasted for 12 seconds and the effects were felt in the neighboring areas of Tuzla, Gračanica and remote places such as Živinice.

The earthquake was not of great strength, but had a relatively shallow depth. It originated at a depth of 15 km, with its epicenter between the village of Bistarac and Šići. Initial reports indicate substantial damage to a number of older buildings, particularly from the 50s.

Seismologists predict powerful aftershocks which could result in additional damages to include the bursting of dams. The population remains on high alert as any dam breaks could result in catastrophic flooding from Lukavac to Doboj.

The consequences of the earthquake are still in the process of being confirmed but initial assessment indicates that approximately 30 people died with many more feared trapped. About 120 people are injured and many more are expected as recovery operations begin. An accident at the Đurđevik mine trapped many miners. Also, a technological accident was triggered by the earthquake in the industrial complex in Živinice, leading to release of hazardous substances. Public and private telecommunication infrastructures are heavily affected by the earthquake and landslides. This has an impact on the efficiency of rescue operations and public communications.

The authorities of Bosnia and Herzegovina assess that there are not enough national response capabilities to deal with the two overlapping disasters and decide to initiate a request for immediate international assistance.

During the planning process exercise planners from the DISTAFF Working Group will develop events, incidents and injects in order to create an interesting play for the teams and to meet the exercise objectives. The resulting list of events will be circulated as an independent document to members of the Directing Staff only.

## Exercise Location

The field exercise will be conducted in eight main sites all located in the vicinity of Tuzla. Teams participating in the field exercise should arrive on 24 September 2017, to be accommodated, to receive information, and to prepare for the field activities. Departure of teams and observers will be from 29 to 30 September 2017.

The exercise sites are named as follows:

* + - Modrac Lake;
    - Guming;
    - Oskova River;
    - Maline;
    - Terminali;
    - Durdevik Coal Mine;
    - Sodaso;
    - Priboj (Lopare) TBC.

Upon arrival, participating teams will be provided with a map of the exercise area, indicating the above mentioned exercise sites.

The DISTAFF will adjust the type and intensity of the events in accordance with the type and skills of teams

## Exercise Programme

The exercise will consist of three phases

* + - Phase one (24 – 26 September) – arrival of teams to the host country, preparations and training, including a table top exercise (TTX) and a command post exercise (CPX);
    - Phase two (27 – 28 September) – field exercise (FTX), the core part of the exercise, hot-wash meetings;
    - Phase three (29 – 30 September) – demonstration of team skills; departure of teams.

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| **Sunday, 24 September – Arrival** |  |
| 07:00 – 20:00  07:00 – 20:00  19.00 – 20.00 | Reception and Departure Centre (RDC) open  Arrival of LEMA, OSOCC, DISTAFF, ASSESSORS and Teams. Coordination meeting – Exercise Support Staff | (Base Camp) |

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| **Monday, 25 September – Training Day 1** | | |
| **Time** | **Event** | **Comments** |
| 09.00 – 09.20 | Opening Ceremony and welcoming remarks by the Exercise Directors | Base Camp |
| 09.20 – 09.40 | ANNOUNCEMENTS | Meeting for all participants |
|  | Administrative announcements  (meals, drinking water, transportation, financial issues, etc.) |
|  | Medical Services |
|  | Safety and Security |
| 09.45 – 10.15 | Organising the work of the staff elements |
| (*Plenary session*) | Distribution of communications equipment and vests  Communication procedures and training | For DISTAFF,  Assessors, OSOCC, LEMA and team leaders |
| 10.15 – 10.30 | Communication check |
| 10.30 – 12:00 | BRIEFINGS |  |
| (*Parallel Group sessions*) | Structure and duty assignments | For DISTAFF,  Assessors, OSOCC and LEMA |
|  | Command and Control  The roles and tasks of DISTAFF |  |
|  | Functions and tasks of the LEMA  Function of the On-Site Commanders and the Safety Advisers |
|  | Functions and tasks of the OSOCC Role of the liaison officers |
|  | Functions of the Assessors Team |
| **12.00 – 13.30** | **Lunch** | **Base Camp** |

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|  | **Mandatory training in parallel sessions** |  |
| 13.30 – 15.30 | CBRN Training (theoretical) for teams from: Armenia, Azerbaijan, Italy, Montenegro, Romania, Ukraine and US   * On Site Commanders for CBRN incidents (BIH) * Mobile Medical Teams (Israel, Pakistan, Romania and US) * Head / Deputy Head of LEMA   (The three last groups only to attend the lecture on Command and Control) | Base Camp  Organised by NATO Civil Experts |
| 13.30 – 15.00 | Training for SIMPRESS players (occupational safety included) | Media Sub WG / Occupational Safety Sub WG |
| 13.30 – 15.00 | Training for local interpreters | NATO Interpreters |
| 13.30 – 17.15 | Preparation of exercise sites by LEMA, DISTAFF and Assessors (On-site) | Exercise sites |
| 15.30 – 16.15 | Media Training for all CBRN Teams | Base Camp Media Sub WG |
| 16.30 – 17.15 | Media Training for SAR and Medical Teams | Base Camp Media Sub WG |
| 17.30 – 18.15 | Media Training for LEMA / OSOCC / Exercise Support Staff | Base Camp Media Sub WG |
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| **Tuesday, 26 September – Training day 2 / Table-top and Command Post Exercise** | | |
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| **Mandatory training in parallel sessions** | | |
| 08.00 | Departure of teams for Practical Training | Base Camp |
| 08.30 – 10.30 | Medical CBRN procedures in a “warm” zone. Medical teams from TBD. | Base Camp Organised by Medical Sub WG |
| 08.30 – 10.30 | CBRN training (practical) for CBRN teams demonstrated by TBD | TBD Site |
| 08.30 – 10.30 | Practical training for the USAR teams | TBD Site |
| 08.30 – 10.30 | Practical training for the water rescue teams | TBD Site |
| 08.30 – 10.30 | Incident Command Refresher Training for LEMA and OSOCC staff | Base Camp Organised by US Army Corps of Engineers |
| 10.45 – 12.15 | Briefing on Protection of Civilians in a complex emergency for military and selected civilian participants | Base Camp  NATO HQ Sa, UNICEF, CIMIC COE (TBC) |
| 08.00 – 12.00 | Preparation of exercise sites (On-Site DISTAFF, Assessors) |  |
| **12.00 – 13.30** | **Lunch** | **Base Camp** |
| 13.30 – 14.00 | Situational briefing by Head of DISTAFF immediately followed by a Command Post Exercise | DISTAFF, LEMA,  Team Leaders, OSOCC |

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| 14.00 – 17.00 | Command Post Exercise (Participants: Core DISTAFF, LEMA, OSOCC, Liaison Officers) |  |
| 13.30 – 16.30 | Rehearsal of Team Skills Demonstration | TBD Site |
| 17:30 – 18.00 | Hot Wash – Command Post Exercise | Base Camp |
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| **Wednesday, 27 September – Field Exercise Day 1** | | |
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| 08.00 – 09.00 | Training for role players (occupational safety included) | LEMA  Base camp |
| 09.00 – 17.00 | Exercise activities (*DISTAFF starts injects, teams leave the Base Camp, teams work at the EX sites and return to the Base camp*) |  |
| 18.00 – 18.45 | Hot-Wash with Team Leaders, Liaison Officers, OSOCC, Assessors and DISTAFF | Base camp |
| 19.30 – 22.30 | Night time field exercise activities for selected teams |  |
| 19.30 – 22.30 | Virtual Reality Exercise for the teams not participating to the night time field exercise. | Base camp |
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| **Thursday, 28 September – Field Exercise Day 2** | | |
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| 08.00 – 09.00 | Training for role players (occupational safety included) | LEMA  Base camp |
| 09:00 – 16.00 | Exercise activities (*DISTAFF starts injects, teams leave the Base Camp, teams work at the EX sites and return to the Base camp*) |  |
| 18.00 – 18.45 | Hot-Wash with Team Leaders, Liaison Officers, OSOCC, Assessors and DISTAFF | Base camp |
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| 19:00 – 22:00 | Reception organised by Bosnia and Herzegovina (TBC) | Base camp |
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| **Friday, 29 September – Demonstration of Team Skills** | | |
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| 09.30 – 11.45 | Static Display (exhibition) | TBD |
| 10.15 – 10.45 | Demonstration of team skills | TBD |
| 11.15 – 12.00 | Closing Ceremony | TBD |
| 12.10 – 12.30 | Press Conference | TBD |
| **13.00 – 14.30** | **Lunch** | **Base camp** |

## Exercise participation

Participants in the field exercise are:

* + - The Ministry of Security of Bosnia and Herzegovina, the Federal Administration of Civil Protection (FACP), the Cantonal Government of Tuzla – LEMA (augmented with representatives of authorities of levels included in the response simulation) and Cantonal Civil Protection simulation teams; FACP relief/rescue simulation teams, Red Cross with simulation teams, role players and injury “make-up” teams; State Regulatory Agency for Radiological and Nuclear Safety (SARNS), Republic Administration of Civil Protection (RACP) and Armed Forces of Bosnia and Herzegovina; Town of Tuzla and Municipalities of Tuzla Canton with required services and simulation teams;
    - NATO International Staff – EADRCC, and NATO HQ Sarajevo;
    - Crisis Management and Disaster Response Centre of Excellence;
    - Joint CBRN Centre of Excellence
    - National and NATO Civil Experts working in the exercise command elements;
    - Various international, regional and national civil or military consequence management teams of NATO and partner nations to be deployed as an EADRU.

## The Overall Aim of the Exercise

The overall aim of the exercise is to exercise cooperation and contribute to enhancing national capabilities of NATO Allies and partners in the CEP area.

## Exercise Main Objectives

1. Support national authorities building resilience through improved disaster preparedness, planning, prevention and response, and strengthening their capability to manage potential civil emergencies;
2. Improve cooperation and tools available to partners;
3. Practice EADRCC procedures and capabilities in order to improve cooperation among Allied and partner nations during a consequence management operation, including response to chemical, biological or radiological incidents;
4. Strengthen Bosnia and Herzegovina’s capabilities to receive international assistance and effectively organise and co-ordinate consequence management operations involving international response teams;
5. Facilitate cross-border co-operation among neighbouring countries, including by practising the provisions of the Memorandum of Understanding for the Facilitation of Vital Civil Cross Border Transport;
6. Conduct a “Virtual Exercise” and exercise the use of Virtual On-site Operations Coordination Centre (VOSOCC);
7. Practice, as appropriate, co-ordination and co-operation between International Organisations;
8. Practice internationally agreed guidelines, including the INSARAG guidelines for urban search and rescue teams (USAR); and

**LIST OF ABBREVIATIONS**

ASS OSC Assistant On-Site Commander

BCP Border Crossing Point

BoO Base of Operations

CBRN Chemical, Biological, Radiological and Nuclear (agents)

CBR Chemical, Biological and Radiological

CEP Civil Emergency Planning

CEPC Civil Emergency Planning Committee

CIP Critical Infrastructure Protection

CIS Communication and Information System

CPG Civil Protection Group

DISTAFF Directing Staff

EADRCC Euro-Atlantic Disaster Response Co-ordination Centre

EADRU Euro-Atlantic Disaster Response Unit

EAPC Euro-Atlantic Partnership Council

EPT Exercise Planning Team

ERCC Emergency Response Coordination Centre

ETD Estimated time of departure

FTX Field Exercise

FIR First Impression Report

FPC Final Planning Conference

HDS Head of Directing Staff

HQ Headquarters

IPC Initial Planning Conference

IPOC Initial Point of Contact

LEMA Local Emergency Management Authority

LO Liaison Officer

MPC Main Planning Conference

MTF Medical treatment facility

OCE Officer Conducting the Exercise

OSC On-Site Commander

OSDS On-Site Directing Staff (Distaff)

OSOCC On-Site Operations Co-ordination Centre

PC Press Centre

PfP Partnership for Peace

PIC Public Information Centre

POC Point of Contact

PWP Partnership Work Programme

RDC Reception and Departure Centre

SAR Search and Rescue

SES State Emergency Service

SPIC Simulated Public Information Centre

TC Team Commander

t.b.d. To be determined

t.b.c To be confirmed

TTX Table-Top Exercise

UN–OCHA United Nations Office for the Co-ordination of Humanitarian Affairs UNDAC United Nations Disaster Assessment and Co-ordination Team

USAR Urban Search and Rescue