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EU-CHEM-REACT Field Exercise (FsX)

Assumptions, content, requirements, scenario

Co- funded by
European Union
Civil Protection

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PDPA PRIEŠGAISRINIŲ DARBŲ IR PASLAUGŲ ASOCIACIJA

Background

- **Based on TTX outcomes**
- Practical confirmation of TTX findings
- Multi sector response
- CBRN disaster, fire incident combined with natural disaster to bring various stakeholders
- Real geographical location

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Participants (teams)

- Responders
  - fire and rescue service, at all relevant levels,
  - medical and health authorities,
  - other entities involved by law in emergency response
  - Police/Military
- Tactic/strategic Staff (command post)
- National contact point EU CPM
- EUCP Experts

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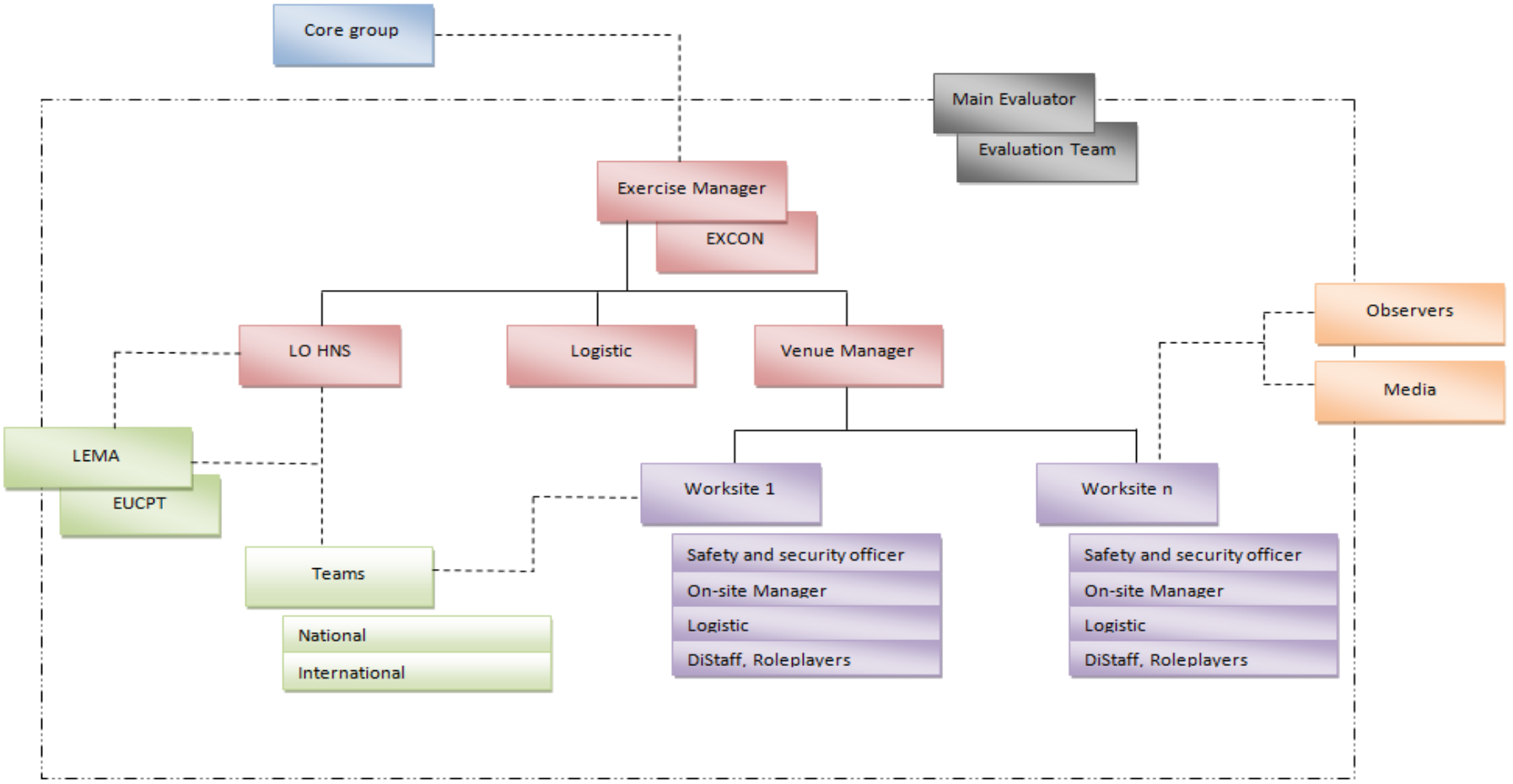
Exercise documents

- Manual (full version)
- Manual for players
- Safety and security briefing
- Evaluation sheets for participants

Organisation



Exercise management

- Project steering committee
- Exercise manager
- EXCON
- Venue managers (On-site managers)
- Safety and security officers
- Evaluators
- Observers
- Media

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Background scenario

- Follow up on the actions conducted on the Table Top Exercises
- TTX scenario assumed two major incidents taking place in the town of *Yavoriv*
  - Explosion in chlorine stockage at *Epoksid Chemical Works*
  - Torrential rains accompanied by strong wind

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Background scenario

- Incident overwhelming local response capacities,
- Number of injured people,
- Necessity of evacuation large number of Yavoriv inhabitants,
- Direct threat that toxic cloud will move towards territory of Poland,
- **Activation of the European Union Civil Protection Mechanism.**

Background scenario

- European Community **deploys rescue capacities** including CBRN teams, firefighting and medical capacities to assist national resources involved in the rescue operations.
- International resources are requested to extend mission duration.

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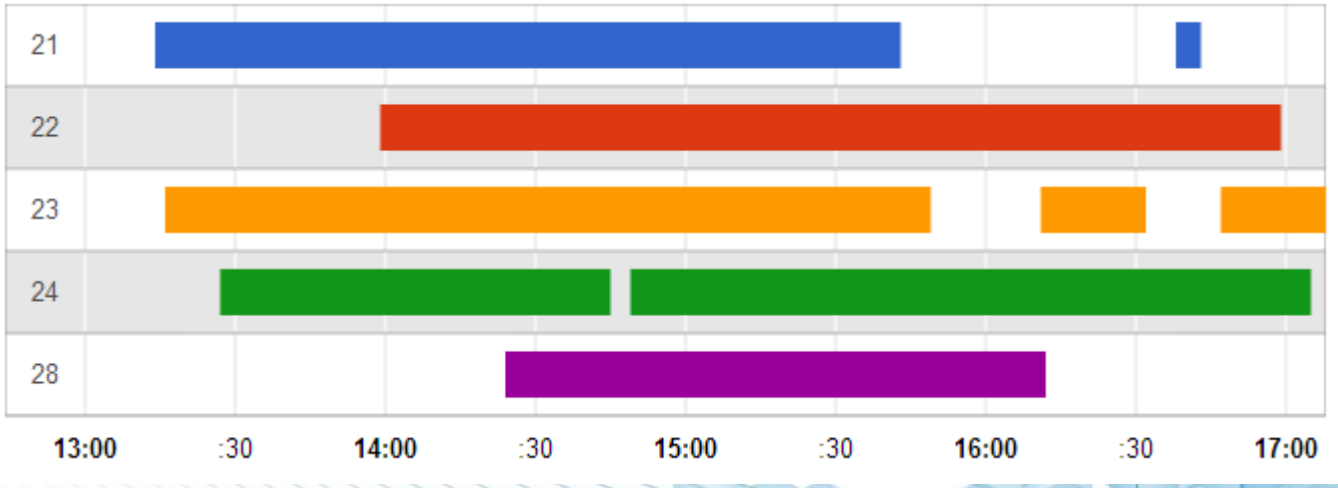
SCENARIO

Time start	Injects #	Team/Module/ Other	Delivery Method	From	Event	Objective	Message	Expected Outcome
16:47		All	E-mail	GDACS	Filling VO	Read and Consult VO	GDACS Red Earthquake Alert On 04 June 2017at 16:47UTC, an earthquake occurred in a large area of Faultland (Lisbon South Bay) between the provinces of Lisbon, Barreiro and Setual, potentially affecting 810 000 within 30km. The earthquake had magnitude 7.2 and depth 5 km. The Epicentre was on the Tagus River, related to the lower Tagus valley fault zone. The earthquake originated a Tsunami.	Log in to VO of all teams, EUCPT and TAST and monitor comments
04:00		All	VO	ERCC	Preliminary Response Overview and the begging of the deployment of the EU Assistance		ERCC Preliminary Response Overview	File information, check VO
16:00	20:00	EUCPT/TAST	Verbal	EUCPT trainer	Refresher Training	Refresh knowledge		well prepared EUCPT/TAST
09:00	11:00	EUCPT/TAST	verbal	EUCPT trainer	Refresher training	Refresh knowledge		well prepared EUCPT/TAST
09:00	11:00				ERCC/MS/Staff briefing in Barreiro (Strategic Headquarter)	- Briefing of the exercise - Exercise Organization and communication - Scenario - Script - Location - Safety and Security		
11:00			Verbal	Main Trainer	Introduction program trainees			Introduction to trainees forms, procedures and learning objectives of the modules
11:00			Verbal	VM	Visit of Sites Staff	- Set up of sites - Storylines - Learning Objectives - Victims, role players and Injects - Safety and security		Detailed knowledge of each site
11:00			VO	HighCon	Deployment Virtual Modules	Virtual modules and goods register in VOSOCO, provide addition or different resources for coordination by EUCPT - Introduce Inkind goods - Test the RDC procedures		Coordination by EUCPT
13:00		EUCPT	Verbal	ERCC	ERCC briefing	All selected EUCPT to receive Brussels mission briefing by ERCC (escalated to MPC Headquarter) and prepare their Activities/Arrival. A meeting with the Civil Protection of Faultland upon arrival. UNOAC will contact EUCPT TL once they arrived in Lisbon.		EUCPT asking , first coordination with TAST by mobile phone possible.
16:00		Module A			Arrival of USAR team A at Border	USAR team will arrive and receive update briefing by LEMA Representant (Role Player) in RC Facilities (LMA Headquarter - Portella)		• Arrival at the correct time and place • Supervise border crossing (VAV) • Use of waiting time • Coordination between Team Leaders • Plan of actions assessment and setup BoO
16:15		Module A	Verbal	Local authorities	Immigration & Sanitary control	Procedures - Control of vaccin of all team members. Drugs/ authorities. Check on drug lis		
16:30		Module A	Verbal	Local authorities	Customs	Procedures		
16:45		Module A	Verbal	Local authorities	Coordination of RDC set up	• To create a functional RDC • To support the local author border procedures		
17:00		Module B			Arrival of USAR team B at Border	USAR team will arrive and re Representant		
17:15		Module B	Verbal	Local authorities	Immigration & Sanitary control	Procedures - Control of vaccin of all team members. Drugs/ authorities. Check on drug lis		
17:30		Module B	Verbal	Local authorities	Customs	Procedures		
17:45	#1	Module B	Verbal	Local authorities	Customs	Communication assets and g authorities . Logistical constr trainer will be seized until th		
18:00		Module C	VO		Arrival of USAR team C at Border	USAR team will arrive and re Representant		



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Hydrocyanic Acid Spill

Background: A certified transport vehicle is involved in an accident resulting in the uncontrolled spill of hydrocyanic acid.

Required Venue/Location: Road intersection within the training area.

Key CBRN Tasks and Actions

(a) Mobilize and plan response
(b) Deploy to hazard location
(c) Establish incident site
(d) Recon, target recognition, understand threat
(e) Establish hazardous zone
(f) Actions on objective (triage, initial entry, monitoring, sampling, technical decon of CBRN response elements)
(g) Mitigate hazard (leak, seal, pack)

Mass Decontamination

Background. A toxic plume results from the hydrocyanic acid spill accident which contaminates a nearby bus and its passengers in the vicinity of the incident.

Required Venue/Location. Location near the road intersection and Scenario #1

Key CBRN Tasks and Actions

(a) Mobilize and plan response

(b) Deploy to hazard location

(c) Establish incident site

(d) Establish hazardous zone

(e) Triage

(f) Personnel rescue

(g) Mass decontamination for contaminated casualties

(h) Site closure

Scenario #2

Radiation source recovery

Background. During a routine police check of a suspicious vehicle, local police authorities identify a 20cm x 20cm package with what appears to be radioactive labeling.

Required Venue/Location. Any road intersection within the training area.

Key CBRN Tasks and Actions

(a) Mobilize and plan response

(b) Deploy to hazard location

(c) Establish incident site

(d) Recon, target recognition, understand threat

(e) Establish hazardous zone

(f) Actions on objective (detection, identification, technical decon)

(g) Coordination with RADON

Scenario #3

Environmental sampling mission.

Background. Due to local seismic activities, concerned citizens have field reports of HAZMAT and other pollutants making their way into local lakes and tributary waterways. Although not confirmed, this is a real concern given the amount of natural oil and gas being transported throughout the country. In order to quell the concerns of the populace, emergency management agencies make a request to dispatch an appropriate CBRN response element to multiple locations (three or four) in order to collect water, soil, and other environmental samples. These samples will be transported to a laboratory for further analysis. The Scenario may be supplemented by an explosive device (artillery shell from WII)

Required Venue/Location. Bodies of water located within the training location.

Key CBRN Tasks and Actions

(a) Mobilize and plan response

(b) Deploy to hazard location

(c) Establish incident site

(d) Recon, target recognition, understand threat

(e) Establish hazardous zone

(f) Actions on objective (initial entry, monitoring, sampling, technical decon of CBRN response elements)

(g) Mitigate hazard (leak, seal, pack)

(h) recognize the additional threat

Scenario #4

Combined Mission with fire scenario. Criminal drug laboratory.

Background. Concerned citizens have recently noticed increased suspicious activity at a local neighborhood house. Suspicious activities include unusual odors, excessive amounts of trash (particularly chemical containers), coffee filters, curtains drawn or windows covered with aluminum foil, evidence of chemical waste or dumping, frequent visitors at unusual times, extensive security measures, deliveries made to the residence at all hours by unknown persons. Local law enforcement agencies believe this might be a clandestine methamphetamine laboratory but lack the PPE to make safe entry.

Required Venue/Location. Block of flat or house complex. Could be established in a building under the fire.

Key CBRN Tasks and Actions

(a) Mobilize and plan response

(b) Deploy to hazard location

(c) Establish incident site

(d) Recon, target recognition, understand threat

(e) Establish hazardous zone

(f) Actions on objective (initial entry, monitoring, sampling, technical decon of CBRN response elements)

(g) Mitigate hazard (leak, seal, pack)

(h) Liaison with law enforcement agencies

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Scenario #5

Rescuing the victims from the height, extinguishing of the fire in the administrative building of the enterprise (3 injects).

Background. Fire on the 2nd floor of an administrative building. Thick smoke comes from the window on the 2nd floor. According to the administration, during the forced evacuation of working personnel, not all people left the building. People are cut off from the main evacuation routes and can not leave the danger zone on their own.

Required Venue/Location. Block of flat or house complex.

Key Tasks and Actions

(a) Mobilize and plan response

(b) Deploy to location

(c) Establish incident site

(d) Recon, target recognition, understand threat

(e) Emergency rescue of the victims from height

(f) Reconnaissance, rescue of the victims in a combined way and extinguishing the cells of the fire.

(g) Rescue of the victims from the 7th floor of the building with the use of rope techniques

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Scenario #6

Rescuing the victims from the rubble of destroyed buildings and structures (2 inputs)

Background. As a result of the disruption of natural gas from the gas pipeline, there was an explosion in an industrial building and building structures were damaged. It led to the collapse of the ceiling. The employees of the enterprise can be under the rubble.

Required Venue/Location. Industrial building (enterprise "Sirka")

Key Tasks and Actions

(a) Mobilize and plan response

(b) Deploy to location

(c) Establish incident site

(d) Recon, target recognition, understand threat

(e) Carrying out a preliminary examination of the place of probable stay of the victims,

(f) Involvement of the cynological service

(g) Use of technical means for the search for people,

(h) Shoring of destroyed structures under which the victims are suffering.

(i) Lifting the loads to extricate casualties

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Scenario #7

Fire extinguishing in an industrial building (1 input)

Background. As a result of violation of the rules of fire safety, there was a fire in an industrial building, the room was smoked and the only way of salvation was cut off by fire and products of combustion.

Required Venue/Location. Industrial building (enterprise "Sirka")

Key Tasks and Actions

(a) Mobilize and plan response

(b) Deploy to location

(c) Establish incident site

(d) Recon, target recognition, understand threat

(e) fire investigation,

(f) determining the decisive direction of operational actions,

(g) rescue people,

(h) organizing extinguishing the fire,

(i) concentrating forces and equipment for the protection of premises and technological equipment,

(j) organizing the work of security posts and checkpoints,

(k) creating a reserve of forces and facilities,

(l) creating a fire extinguishing headquarters, etc.

Scenario #8

Mine clearance (1 input).

Background. During the construction work, a team of workers revealed an object similar to the obsolete artillery shell of the Second World War. Due to the threat of explosion, work was suspended, evacuation of workers was carried out.

Required Venue/Location. Territory near the building of the company "Sirka"

Key Tasks and Actions

(a) Mobilize and plan response

(b) Deploy to location

(c) Establish incident site

(d) Recon, target recognition, understand threat

(e) determining the degree of danger of an explosive object by a pyrotechnic expert

(f) marking a dangerous territory,

(g) conduct a control check of the area,

(h) performing work on the demining of the area,

(i) loading and transporting an explosive object to a site of destruction.

Key CBRN Tasks and Actions.

(a) Mobilize and plan response

(b) Deploy to hazard location

(c) Establish incident site

(d) Recon, target recognition, understand threat

(e) Establish hazardous zone

(f) Actions on objective (initial entry, monitoring, biological sampling, technical decon of CBRN response elements)

(g) Mitigate hazard (spot decontamination of obvious biological materials)

Contact

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