



Federal Ministry for the
Environment, Nature Conservation
and Nuclear Safety

**Umwelt
Bundes
Amt** 
Für Mensch und Umwelt

UNECE Convention on the
Transboundary Effects of
Industrial Accidents

**Assistance
Programme**



OTRA
www.antipol.com

Danube Delta Project for improving hazard and crisis management in and between Moldova, Ukraine and Romania

Principles on oil spill exercise program

The goal of an incident exercise program is:

- To assess the plan, the equipment and the capability of the response team
- To test the national organization in charge of managing oil spill response
- To test the regional cooperation between countries
- To improve ,with proper feedback , the different systems

Exercise categories

- Different categories = different level of a plan to be exercised
- Increase the level of difficulty gradually
Keep your team motivated
- Prepare a real exercise, not a demonstration

Exercise categories

- Notification exercise
- Equipment deployment exercise
- Tabletop exercise
- Full scale exercise

Notification exercise:

- Test the procedures to alert and call out the response teams
- Test communication system
- Check availability of personnel
- Assess the ability to transmit information quickly and accurately

Duration: 1 or 2 hours

Simple level of organization



Equipment deployment exercise

- Test the capability of a local team to respond to a Tier 1 or 2 type spill
- Provide experience of local conditions and of spill scenarios
- Enhance individual skills and teamwork

Duration: 4 to 8 hours

logistic ?

Simple to medium

level of organization



Table top exercise

it consists in proposing an incident scenario and inputs to a response team who will simulate the response

- do not involve the mobilization of equipment or personnel

Focus on :

- the role and action of the individuals
- the interactions between the various parties
- the development of information and response strategies

Duration: 6 to 8 hours

Availability of personnel ?

Medium to high level of organization

Full scale exercise

include the participation of *All the parties*:

- the incident management team
- the field operations teams + **the response equipment**
- and international representatives (tank owners, insurances, experts....)

Duration: 10 to 12 hours

High level of organization
(on site mobilization of different organizations and the response equipment)

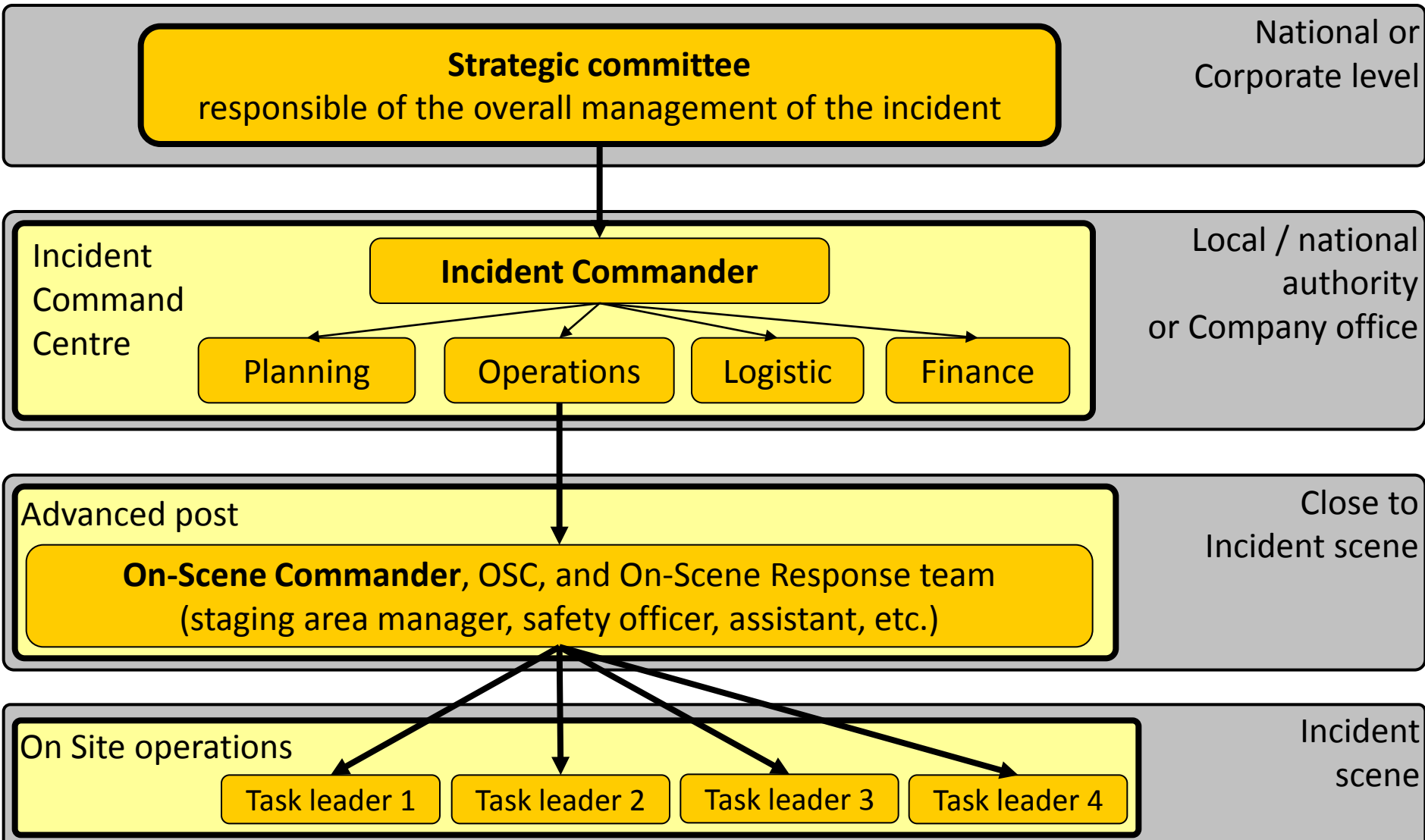


General objectives of a Table top/full scale exercise ?

Will focus specially on the test of:

- The structure of the national organization in charge of accidental pollution response:
who commands who ?
- The management of the incident and of the national incident response team:
Who does what ? Identified position and task, Flow chart
Organization and running of the incident team
- The national accidental pollution response plan:
how ? Definition of a strategy
- The communication procedures with all the stakeholders
- The national incident command post , facilities and equipment: communication, maps, tools, computers....

ICS in Tier 3: one national level



Example of roles in Incident Command team

Local / National Incident Commander

Planning

In charge: ?

- Oil Spill Trajectory / Oil behaviour: ?

- HNS behaviour : ?

Sensitive Areas / Evaluation of impacts: ?

Response Strategies / Clean-Up: ?

Oiled wildlife: ?

Disposal Plans: ?

-Waste management planning: ?

Salvage / Wreck management: ?

Environmental monitoring (sampling) & post monitoring: M ?

Operations

In charge: ?

-Air operations : ?

-At Sea operations : ?

-Land / Shore operations : ?

-Waste management operations : ?

-Safety / Security : ?

Logistics

In charge: ?

Procurement / Expense Tracking : ?

Personnel : ?

Equipment/ Supplies : ?

Transportation : ?

1st aid/ Medical assistance : ?

- External assistance management : ?

- Customs Clearance : ?

- Immigration Clearance : ?

Communication equipment : ?

Finances

In charge: ?

-Release of funds and expenses forecast/ record: ?

Claims management : ?

How to organize an exercise ?

Exercise planning consists of 4 separate activities:

Design

Develop

Conduct

Review

Design phase

- Appoint the exercise coordinator: responsibility of the exercise
- Set objectives: primary and secondary
- Determinate exercise scope: number of participant , location, duration
- ...
- Establish exercise plan: set the date, availability of personal, mobilization, day 1, 2, 3 ...
- Obtain management approval: support of the hierarchy, validations of the cost...

Development phase

- Establish coordination
- Develop a detailed scenario: timeline, simulated parameters: type and volume of oil, impact, weather, sea conditions...
- Finalize plans: facilities, services, equipment, communications, meals, accommodations, transport
- Identification of “role-players” (I.E persons that will simulate external organizations, ministries, industries, etc. During the exercise
- Create a media relations team: objectives ?, how communicate ?, when ?

Conducting the exercise

- Initiate play: phone call ? Fax ? Captain ? Port
- Briefing participants: category, scope and objectives of the exercise
- Maintaining the exercise: prepare sufficient inputs to drive the exercise to termination
- Evaluating activities: designate 1 or 2 persons in charge of the evaluation (exercise controller)
- Terminating play : not at prescribed time, objectives achieved ?

Review phase

- Collect data: feed back from all the participants
 - 2 stages: - just after the end of the exercise
 - more formal session: structured report
- Analyze events: performance and effectiveness of all the parties?
shortcomings, gaps ?
- Report findings and recommendations
- Plan improvements : modification of the plan ? More training ?
more equipment ?

Conclusion

- Various type of exercise for each level (local, national and international)
- Exercises permit to test the general incident organization
- Analysis of shortcomings and gaps will assist the country to improve their organization, procedures and general level of preparedness
- “it is better to make mistakes during an exercise than during a real pollution”

Thank you for your attention.