



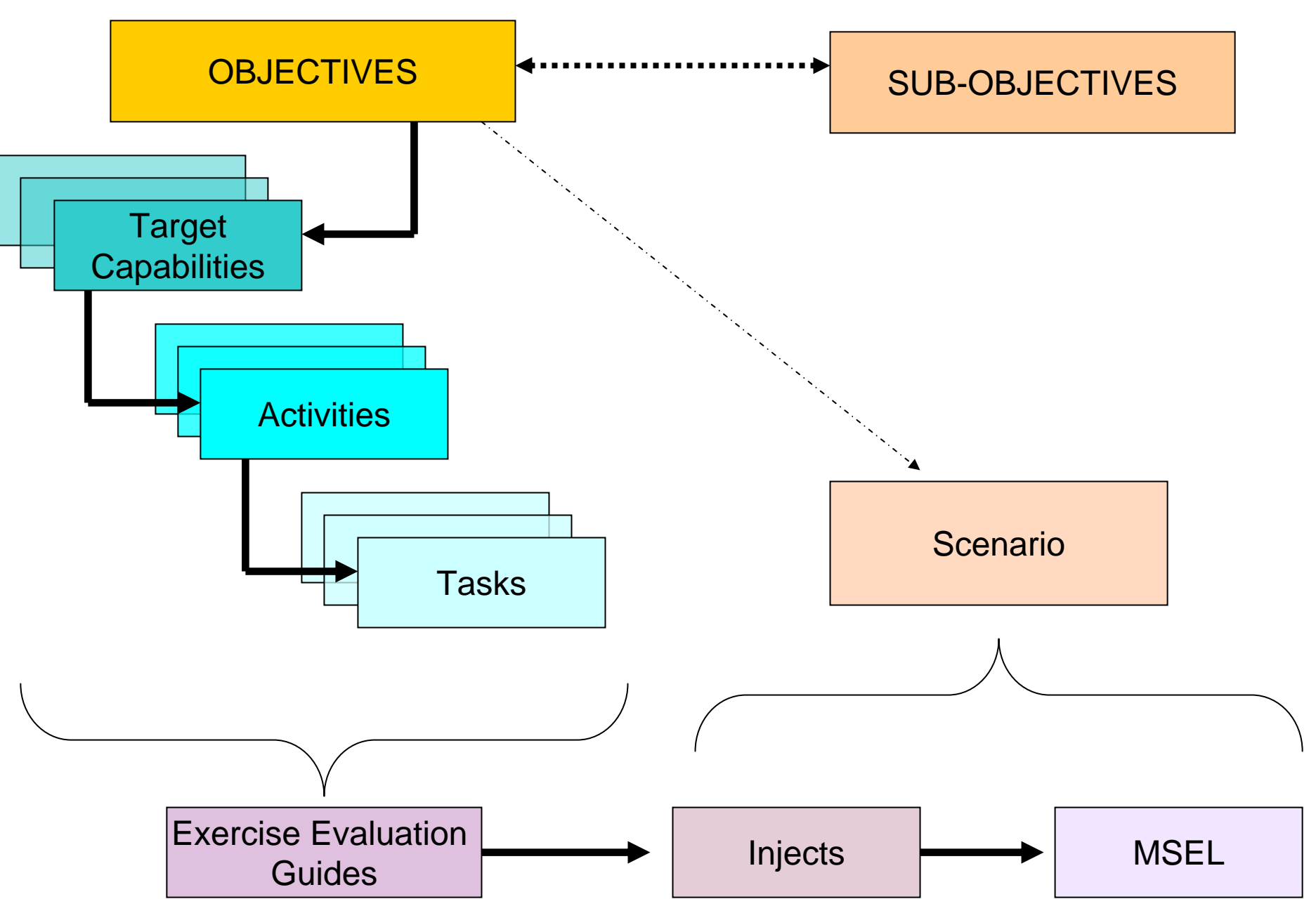
Integrating Safety and Health in Exercises

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Topics

- Conceptual diagram
- Exercise Design Elements
 - Objectives
 - Target Capabilities
 - Activities and Tasks
 - Exercise Evaluation Guides
- What does it take?
- SOSN 2010
- Alternatives
- Bottom Line



Objectives

- Generally 3-5 is manageable
- Broad in nature
- SONS 2010 objectives
 - *1) Establish an effective response organization in accordance with the National Response Framework and the National Incident Management System*
 - *2) Exercise the development and dissemination of information with external stakeholders and the public*
 - *3) Identify and exercise complex response issues*



Target Capabilities

- Functions that demonstrate achievement of objectives
- 36 listed in HSEEP
- Generally 5-8 manageable
- SONS 2010
 - **Safety and health**
 - Incident management
 - UC, UAC, NIC
 - Operations, planning, logistics, equipment deployment
 - Communication
 - Public information
 - Volunteer management



Activities and Tasks

- Activities are a collection of tasks
- Tasks are the events or items that are accomplished within a given activity
- SONS 2010 safety activities
 - Activate responders safety and health
 - Safety and health planning and operations
 - Operational risk management
 - PPE
 - Training
 - Monitoring



Exercise Evaluation Guides

- Document activities and tasks with respect to specific target capabilities
- Document completed tasks to determine achievement of objectives
- Generally have one EEG for each target capability

- HSEEP provides guidance for EEGs, activities, and tasks
 - Tailor to fit needs of exercise

Safety and Health

Exercise Evaluation Guide: SONS 2010

Capability Description:

Responder Safety and Health is the capability that ensures adequate trained and equipped personnel and resources are available at the time of an incident to protect the safety and health of on-scene first responders, hospital/medical facility personnel (first receivers), skilled support personnel, and, if necessary, their families through the creation and maintenance of an effective safety and health program. This program needs to comply with the Occupational Safety and Health Administration (OSHA) and any other applicable Federal and State regulations and health and safety standards.

Capability Outcome:

No illnesses or injury to any first responder, first receiver, medical facility staff member, or other skilled support personnel as a result of preventable exposure to secondary trauma, chemical/radiological release, infectious disease, or physical and emotional stress after the initial incident or during decontamination and incident follow-up.

Jurisdiction or Organization:	Name of Exercise: SONS 2010
Location:	Date: 3/24/2010 - 3/25/2010
Evaluator:	Evaluator Contact Info:

Note to Exercise Evaluators: Only review those activities listed below to which you have been assigned.

Activity 1: Activate Responder Safety and Health

Activity Description: In response to Unified Command (UC) and/or Unified Area Command (UAC) recognition of the complexity or hazards in the incident, mobilize and designate Safety Officer to begin operations or continue IC-initiated operations.

Tasks Observed (check those that were observed and provide comments)

	Task /Observation Keys	Time of Observation/ Task Completion
1.1	The UC/UAC shall designate a safety officer who is knowledgeable in the operations being implemented at the emergency response site with the specific responsibility to identify and evaluate hazards, and to provide direction with regard to the safety of operations for the emergency. <i>- All personnel and other agencies are informed of delegation</i> <i>- Safety Officer/Assistant Safety Officer (ASO) is qualified in the tactical operations being evaluated</i>	Time: Task Completed? Fully [] Partially [] Not [] N/A []
	Designate Safety Officer within the incident command system <i>- plan to integrate other agency safety officers into UC/UAC safety function</i>	Yes [] No []
	UC/UAC ensures the development of a safety and health plan	Yes [] No []
1.2	Safety Officer assumes responsibility for supervision and management of the Assistant Safety Officer(s) based on incident severity and complexity. <i>- Safety Officer implements plans and procedures</i> <i>- Subordinates mobilized and briefed</i> <i>- Communication with field established and maintained</i>	Time: Task Completed? Fully [] Partially [] Not [] N/A []
1.3	Safety Officer maintains coordination and communication on safety and health issues between agencies and departments. <i>- Call lists up-to-date</i> <i>- Ensure back-up safety and operational systems are in place</i> <i>- Establish accountability system based on NIMS/ICS principals</i>	Time: Task Completed? Fully [] Partially [] Not [] N/A []
	Safety Officer develops and implements Site Safety Plan (SSP) to manage and monitor incident safety and health operations	Yes [] No []
1.4	Safety Officer ensures on-going safety and health assessments of response operations.	Time: Task Completed? Fully [] Partially [] Not [] N/A []
	Safety Officer advises /UC/UAC on overall safety and health issues <i>- provides information to plans, operations, logistics, command as appropriate</i>	Yes [] No []

Activity 2: Safety and Health Planning and Operations**Activity Description:** Upon appointment as Safety Officer, assess safety and health hazards, inform UC/UAC of needs, and develop site-specific safety and health plan.**Tasks Observed** (check those that were observed and provide comments)

	Task /Observation Keys	Time of Observation/ Task Completion
2.1	Observe the scene and review/evaluate hazard and response information as it pertains to the safety of all persons at the location. <i>- Perform scene survey</i> <i>- Interpret results of environmental/personal monitoring</i>	Time: Task Completed? Fully [] Partially [] Not [] N/A []
	Identify, evaluate, and recommend controls for safety and health hazards using the operational risk management process.	Yes [] No []
2.2	Perform an incident safety analysis. <i>- Hazards are identified</i> <i>- Compile and analyze responder personal monitoring data</i> <i>- Utilize predictive modeling tools as necessary</i> <i>- Risk analysis conducted, recorded and disseminated</i> <i>-Determine appropriate controls to mitigate risks</i>	Time: Task Completed? Fully [] Partially [] Not [] N/A []
2.3	Identify responder safety and health resources required. <i>- Appropriate personnel, equipment and supply needs identified</i>	Time: Task Completed? Fully [] Partially [] Not [] N/A []
2.4	Develop site-specific safety messages. <i>- Safety Officer/Assistant Safety Officer prepare written site-specific safety and health messages</i> <i>- UC/UAC approves and disseminates messages</i>	Time: Task Completed? Fully [] Partially [] Not [] N/A []
	Develop site-specific safety and health plan (SSP)	Yes [] No []
2.5	Provide command structure with observation-based recommendations for the safety of on-site personnel. <i>- Safety Officer reviews and communicates results of on-going responder/personal monitoring</i> <i>- Safety Officer briefs UC/UAC with recommendations</i>	Time: Task Completed? Fully [] Partially [] Not [] N/A []

What does it take?

- Safety and health resources at all levels of planning
 - Planning conferences
 - Evaluation workgroup
 - Control workgroup
 - Scenario workgroup
 - After action activities
- Resources during exercise
 - Evaluators and controllers
 - Players
 - Independent of real-world safety

SONS 2010

- OSHA lead evaluation effort
 - 5 personnel involved in planning
- 2 exercise safety controllers
- 4 exercise safety evaluators
- 4 real-world safety controllers
- 5+ participants
- EEG analysis and AAR development

Alternatives

- Safety and health integrated into other target capabilities
 - Safety and health activities/tasks added to target capability
- Example
 - HAZMAT response has safety and health component
- Still requires assets for planning and execution
- Safety and health can still function even though not evaluated



Bottom line

- To effectively integrate safety and health into an exercise requires commitment and planning
- Determine which exercises are most important with respect to evaluating safety and health as a target capability
- Incorporate safety play when not evaluated as specific function



Questions/Comments?
