Swedish Civil Contingencies Agency

National Cyber Security Exercise (NISÖ 2012)

- Conducting the exercise and main lessons learned

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Deputy Project Manager and Head of Ex Con

Swedish Civil Contingencies Agency

- Why, what and who?

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Purpose

The purpose of NISÖ 2012 is to strengthen society's ability to ***manage national IT-related crises***, primarily by developing the ability to cooperate and coordinate between public and private actors.

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Objectives

Participating organisations are to:

1. work together to create and uphold a common situational awareness.
2. work together to create consequence and operation assessment.
3. cooperate to create coordinated information to the public and media.
4. cooperate within their individual networks to facilitate coordinated decision-making for efficient use of society's collective resources (technical operative collaboration).
5. apply policies, process and routines for management of serious IT incidents.

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Participating organisations

- Participants in NISÖ 2012 were private organisations from the energy, telecommunication and transport sectors together with responsible agencies.

- In total 17 organisations took part in the exercise

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- How?

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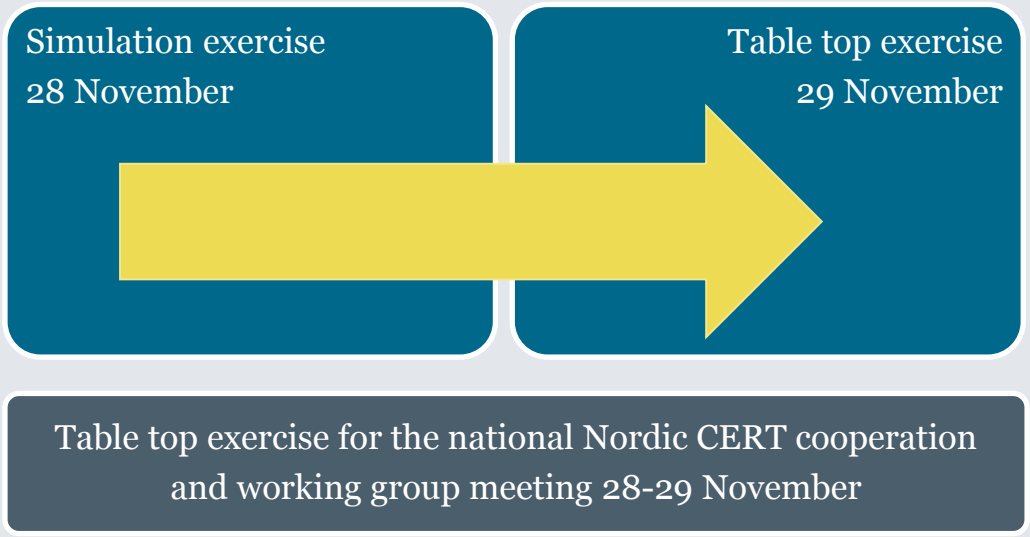
Exercise methods

- Real-time simulation, day 1
- Table-top, day 2
- Parallel table top exercise running two days



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- The scenario

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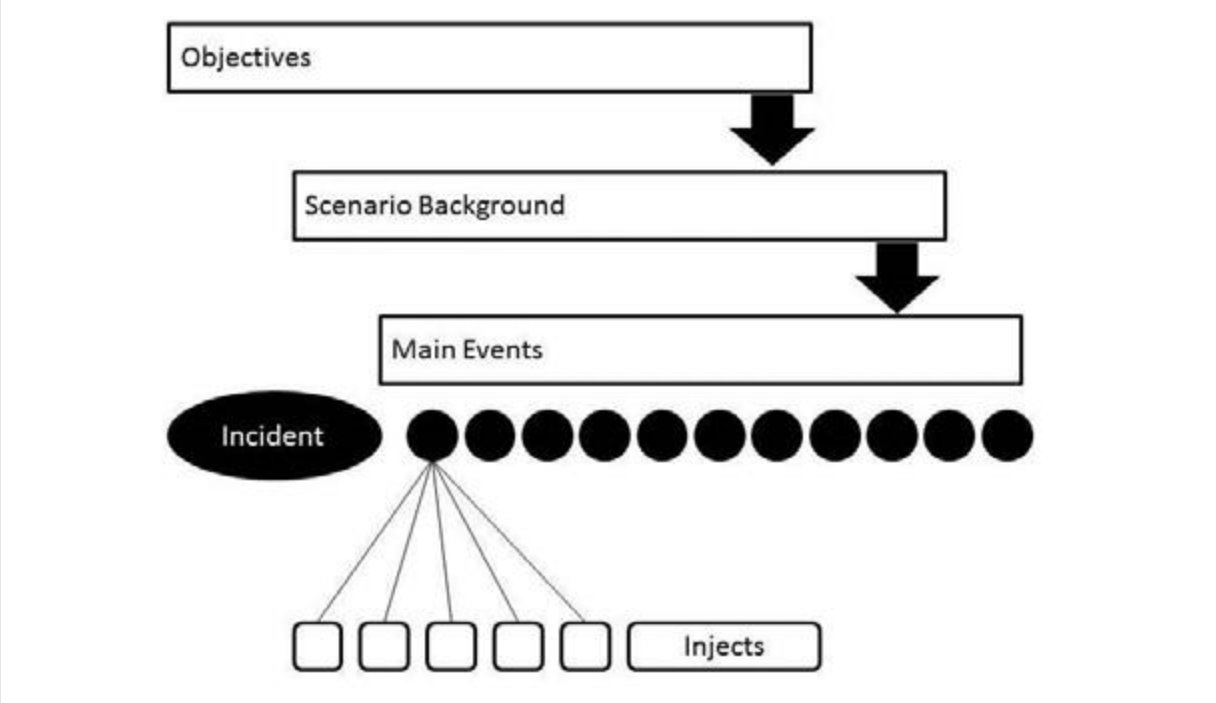
From objectives to injects



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- Real-time simulation

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Simulation exercise

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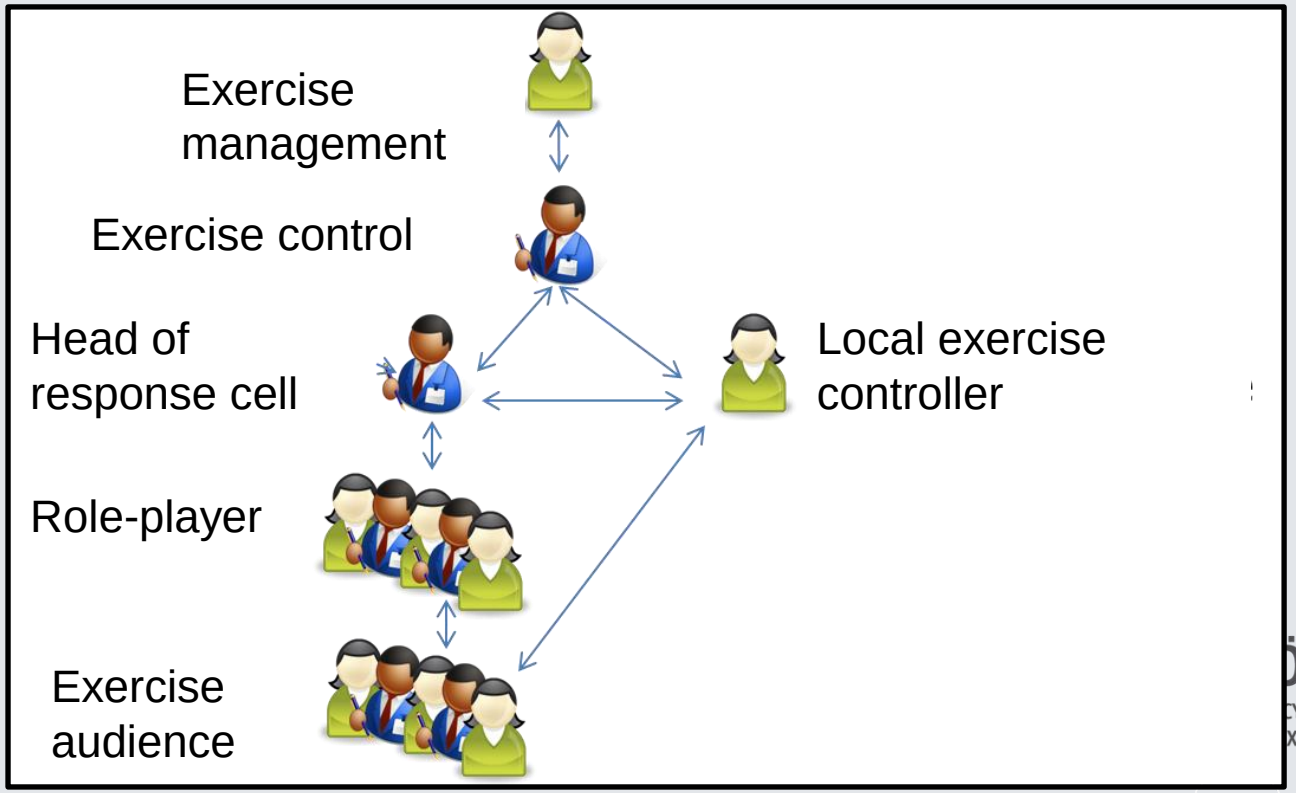
Myndigheten för samhällsskydd och beredskap

Roles in the exercise control



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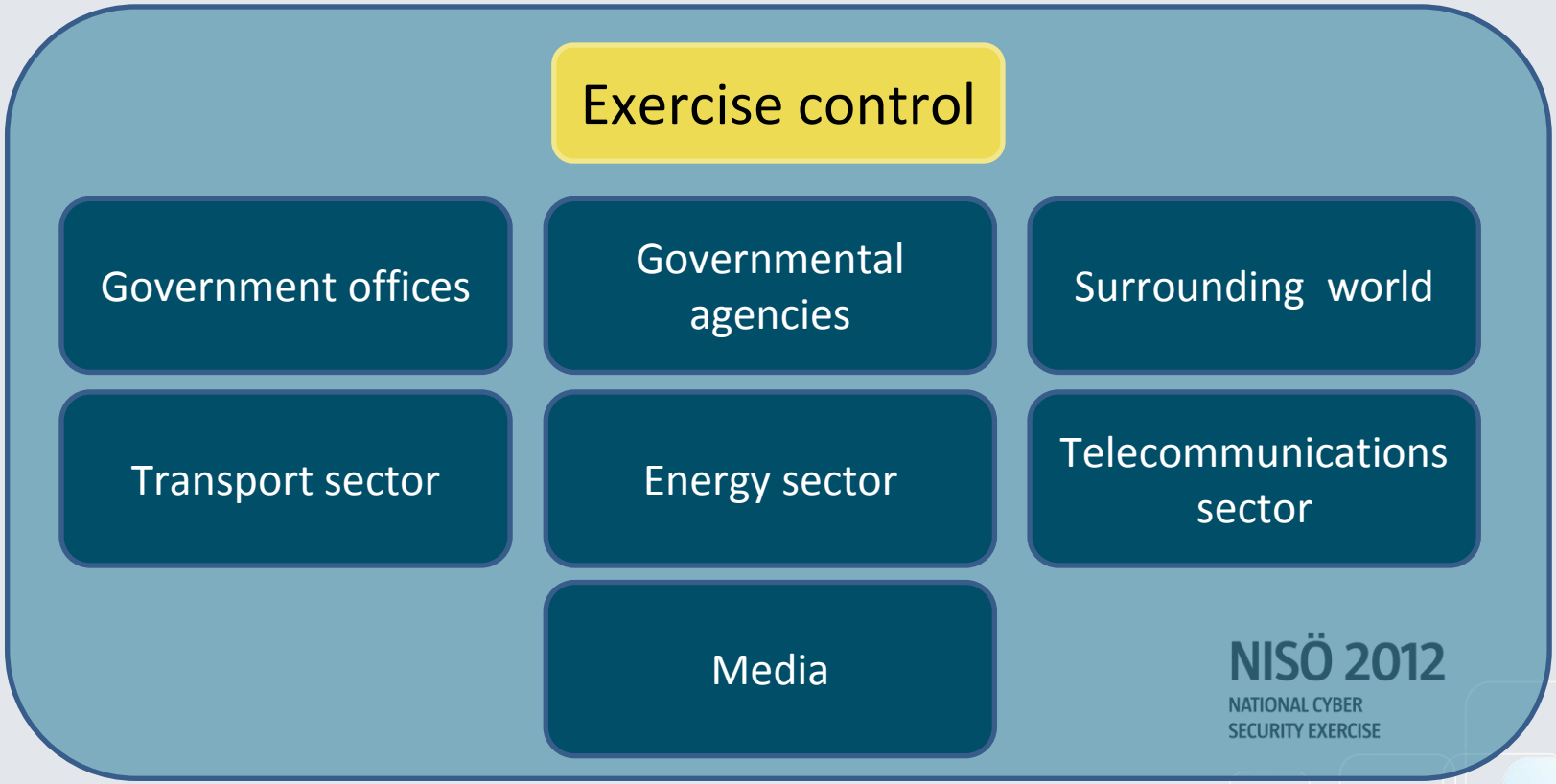
The exercise control with response cells



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Storyline and events

DDoS-attacks and defacements

Information theft and Internet publication

Insider attack (transport sector)

Hacking attack on the telecommunications sector

Hacking attack on the energy sector

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Myndigheten för samhällsskydd och beredskap

Exercise web

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The dynamic media play

- Tools for the exercise audience to reach the objectives
- Construed from organisations' own injects
- Only written material
- Produces simulated news for the actors' information gathering
- Articles are published on the exercise web portal
- Flashback and Pastebin

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- Table-top

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Table-top exercise 1 of 2

- Discussion-based
- Same scenario as simulation-exercise
- Partially preparded
- Analysis of simulation completes preparation
- Possibility of other discussions than during simulation (long-term etc.)

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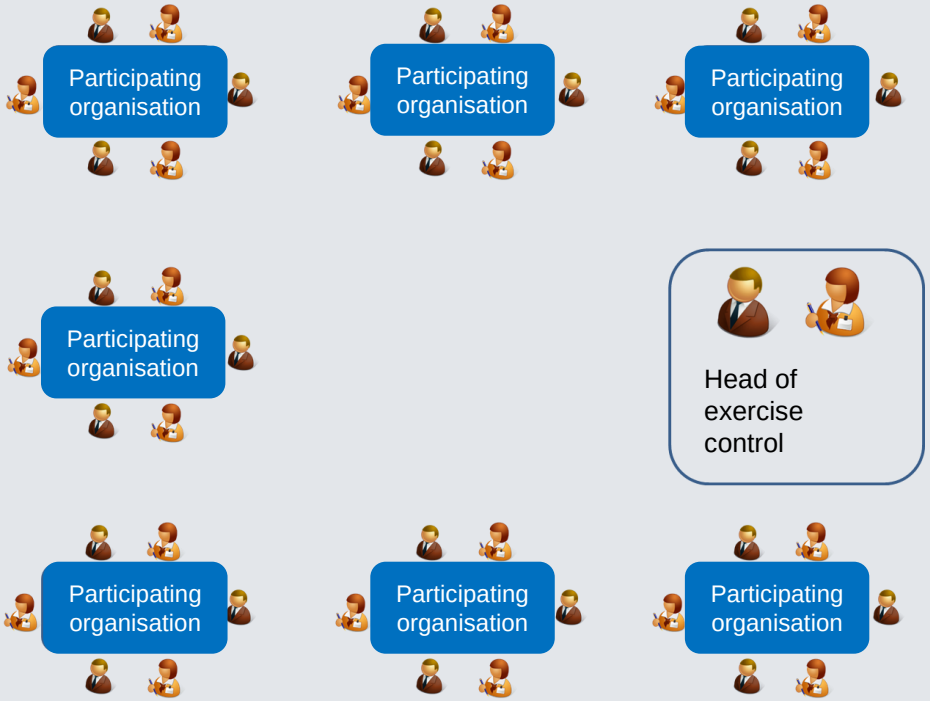
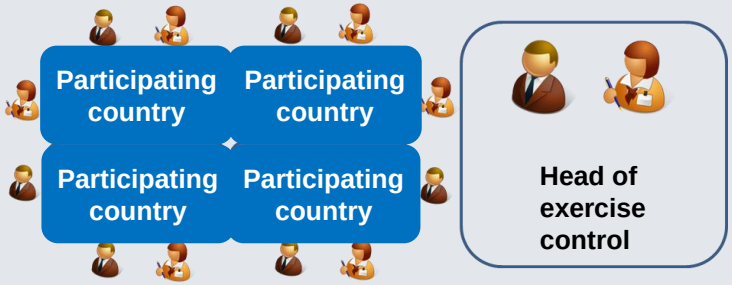
Table-top exercise 2 of 2

NISÖ overall table-top exercise





NISÖ national Nordic CERT Cooperation table-top exercise

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- Evaluation

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Three evaluation processes for the exercise

- Evaluation focus on objectives
- Evaluation of the planning process
- Evaluation of National Response Plan

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- AAR & Lessons identified

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9 focus areas

- Cross-sectoral co-operation
  - Awerness raising activities
  - Strenghten co-operation and information sharing
  - Update policies, plans and processes

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9 focus areas

- Common operational picture
  - Improve information sharing and collaboratrion
  - Enhanced capability in analyzing consequences and response messures

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9 focus areas

- Crisis comunication
  - Further develope structures for collaboration
  - Prepare alternative platforms for communcation
  - To be further intergrated in crisis management

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9 focus areas

- Prioritizing of resources
  - Increase knowledge of ”availible” resourses for cyber crisis management

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Thank you for your attention!

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