

French cybersecurity exercises

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Prime minister's services



General Secretariat for Defence and National Security (SGDSN)



ANSSI



- Piranet is part of a series of national level crisis management exercises organised by the SGDSN, which include Pirate-Air, Pirate-Mer, Pirate-NRBC, Metro-Pirate...
- Each of these exercise corresponds to a national level plan.
- SGDSN runs 4 major exercises per year.
- Piranet tends to be organised every two years.

National level exercises



- Each exercise requires 6 months planning.
- Planning consists mostly of meeting between SGDSN, ministries and private partners.
- Planning phases and key steps are well identified and methods well formalized. Planners have not felt the need to use dedicated tools at this stage.

Planning



- 1/ Define the objectives
 - Particularly tricky for cyber exercises: variety of actors involved, variety of objectives.

- 2/ Define the scenario
 - Major constraints prevent 100% realistic scenarios: time being the first issue. Since the scenario must allow to achieve the objectives, it must be both technically and politically relevant, which in 2 or 3 days is very difficult to achieve given escalation delays.

- 3/ Draft injects
 - Getting all participating entities to draft injects is very time consuming. It can be also difficult since some injects have to be drafted so that they allow for an objective to be achieved, even if unrealistic... which participating entities tend to fight.

Main planning phases and constraints in cyber exercises



- Main objectives:
 - Test the crisis prevention / management plans
 - Test the reactivity / behaviour of key actors
 - Raise awareness

- Secondary objectives:
 - Evaluate alert triggering procedures, information exchange procedures, critical resources mapping, public private relations, international crisis cooperation, crisis communication strategies...

Example
objectives of our
national level
exercises



- Date: 7-9 February 2012 (3-day exercise)

- Participation:
 - > 500 public & private participants
 - Several ministries
 - Main ISPs
 - TLD operator

- One exercise control cell

- Fake media pressure with real journalists

Piragnet 12



Merci.
Questions?