New requirements for incident handling

Rune Sydskjør - Uninett CERT
EUNIS June 6, 2019
Norway's Norsk Hydro lost $50 million in cyber attack

A cyber attack that targeted Norwegian industry giant Norsk Hydro in March cost the company around $50 million.
«New» requirements in the framework

- overview of the sectors critical infrastructure or systems that support critical functions.
- routines for sharing information on incidents and risks in sector
- contingency plan for larger incidents
- skillz on relevant systems and ability to consider the severity and consequences of the incident
- be able to decide if critical infrastructure in our sector is in danger or if its possible that it is going to be affected by the incident
- overview of the scope of the incident and see incidents in the same sector in context
- reporting to NSM/NorCERT (The norwegian national security authority)
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Why asset inventory is important?
CERT/IRT/CSIRO/SOC - Web of trust

- Cyber security is a global problem. No one has the full overview and maybe not all the necessary capabilities.
- Trusted partners and safe communication is crucial.
- Close cooperation with other teams is necessary.
- Uninett CERT is a member of several national and international networks where we receive information, tools and methods which will benefit our sector.
Communications map - National level
Uninett centric

- NorCERT
- Ministry of Education
- Law enforcement
- Sector IRTs
- UNINETT CERT
- Constituent IRTs
- Other parties

Lines represent:
- Governance
- Reporting
- Prevention
- Detection
- Incident response and coordination
- Analysis

National and international
### TLP - Traffic light protocol

<table>
<thead>
<tr>
<th>Color</th>
<th>When should it be used?</th>
<th>How may it be shared?</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED</td>
<td>Sources may use TLP: RED when information cannot be effectively acted upon by additional parties, and could lead to impacts on a party’s privacy, reputation, or operations if misuse.</td>
<td>Recipients may not share TLP: RED information with any parties outside of the specific exchange, meeting, or conversation in which it is originally disclosed.</td>
</tr>
<tr>
<td>AMBER</td>
<td>Sources may use TLP: AMBER when information requires support to be effectively acted upon, but carries risks to privacy, reputation, or operations if shared outside of the organizations involved.</td>
<td>Recipients may only share TLP: AMBER information with members of their own organization who need to know, and only as widely as necessary to act on that information.</td>
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<tr>
<td>GREEN</td>
<td>Sources may use TLP: GREEN when information is useful for the awareness of all participating organizations as well as with peers within the broader community or sector.</td>
<td>Recipients may share TLP: GREEN information with peers and partner organizations within their sector or community, but not via publicly accessible channels.</td>
</tr>
<tr>
<td>WHITE</td>
<td>Sources may use TLP: WHITE when information carries minimal or no foreseeable risk of misuse, in accordance with applicable rules and procedures for public release.</td>
<td>TLP: WHITE information may be distributed without restriction, subject to copyright controls.</td>
</tr>
</tbody>
</table>
37 IRT’s in our sector

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https://www.uninett.no/cert-team-list
Handle information - experience from incidents and exercises
Questions?

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