



**National IT and Telecom Agency**

Ministry of Science  
Technology and Innovation

# The Danish GovCERT

## Prerequisites for strong national cooperation on cyber security

### The National Danish IT and Telecom Agency

June 28th 2011



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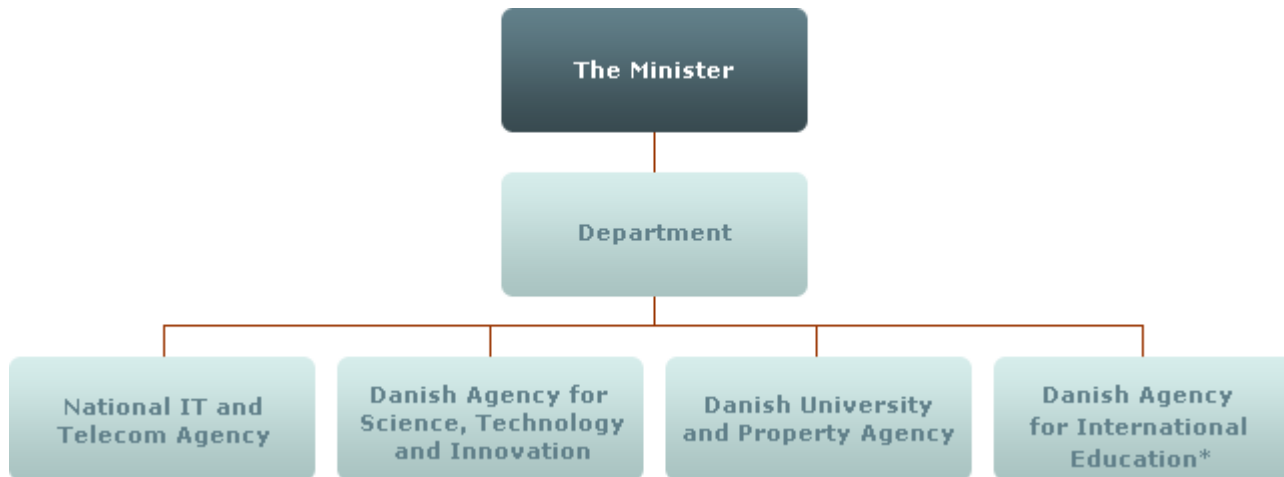
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# Agenda

- 1) The Danish Setup
- 2) The primary Players
- 3) Cooperation in Practice
- 4) Legal basis



## Organisation

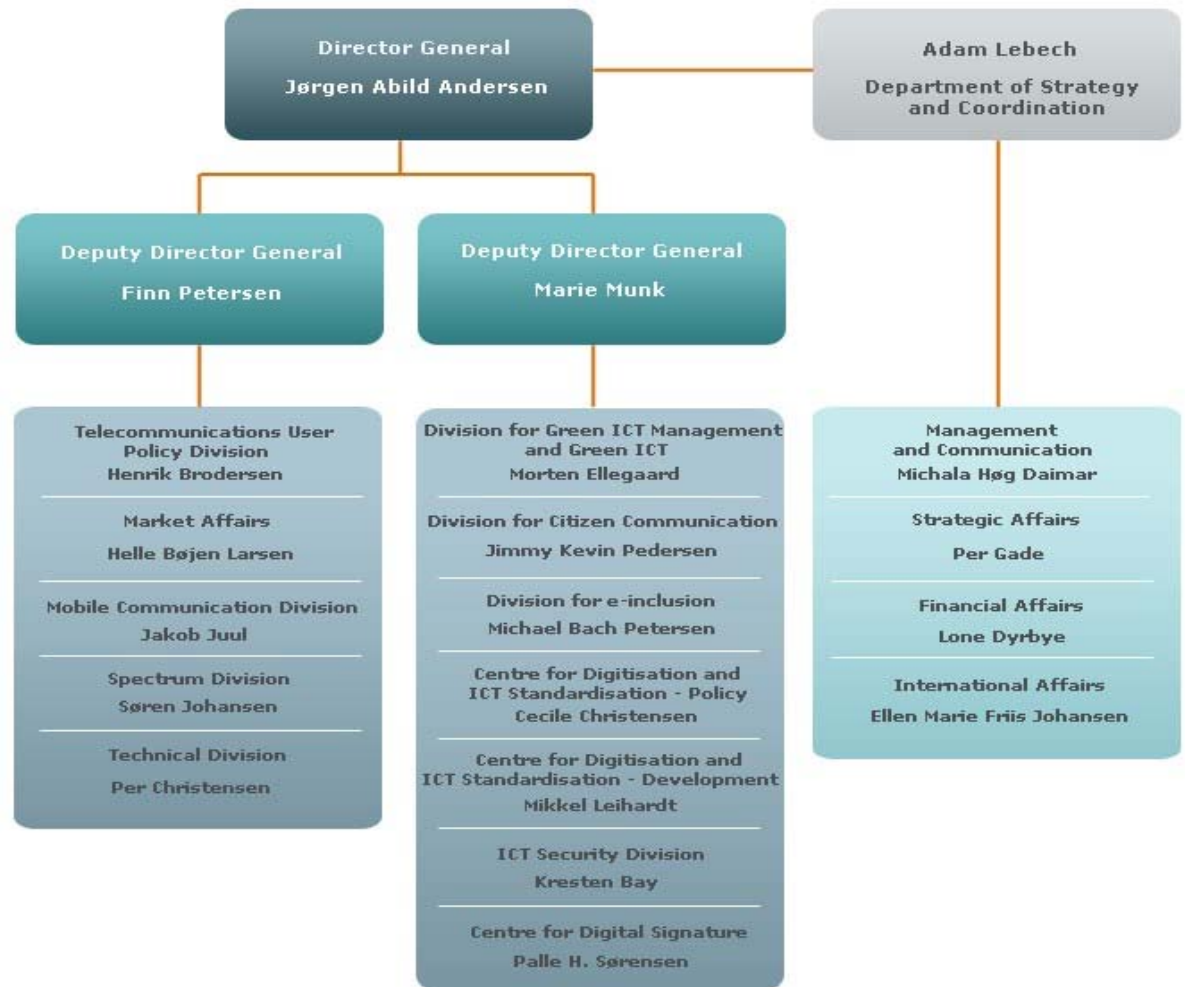




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## Organisation





## IT- SECURITY DIVISION



- Danish GovCERT
- Emergency Preparedness and Crisis Management
- Competence Center for IT-security



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## Danish GovCERT at a glance:

- Created in May 2009. Located at the regulator.
- Fully functional in 2010.
- 12 people, all security cleared.
- National point of contact.
- Protecting the Danish critical internet infrastructure.
- Site and network accredited to NATO/EU  
SECRET



# Context

- Constituency is primarily Danish Governmental institutions.
- Also services to Regional & Local Government, certain critical sectors (Finance, ICT and Energy)
- AND citizens and SME (provided by DK-CERT)
- Close working relations with Danish intelligence services.
- Legal mandate for GovCERT is progress, and legal base for Emergency Preparedness established.
- Use of GovCERT is voluntary



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# GovCERT Proactive services

- General risk assessment on internet risks published quarterly, mitigation strategies and tools.
- Pan-government vulnerability handling
- Public sector IDS system



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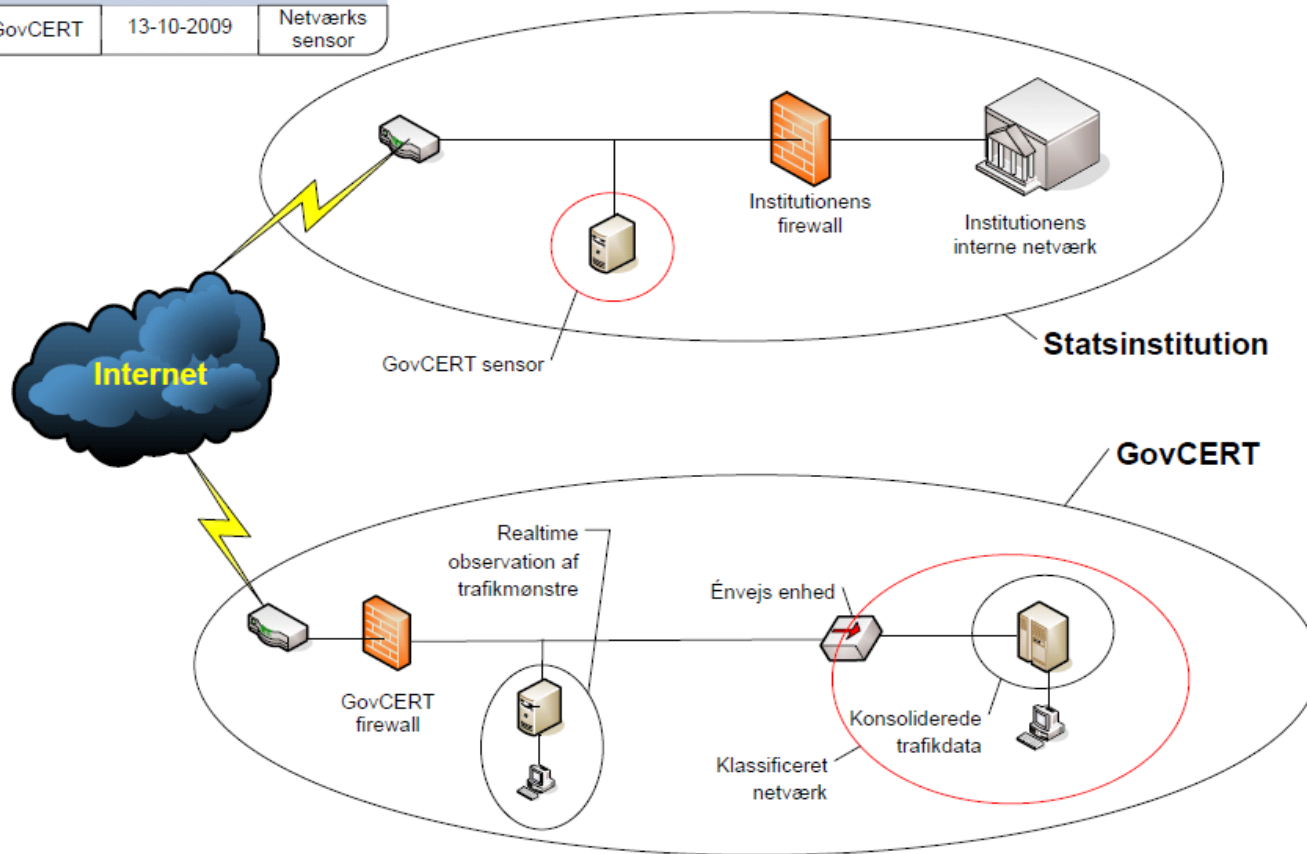
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### IT- og Telestyrelsen

GovCERT

13-10-2009

Netværks  
sensor





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# GovCERT Reactive services

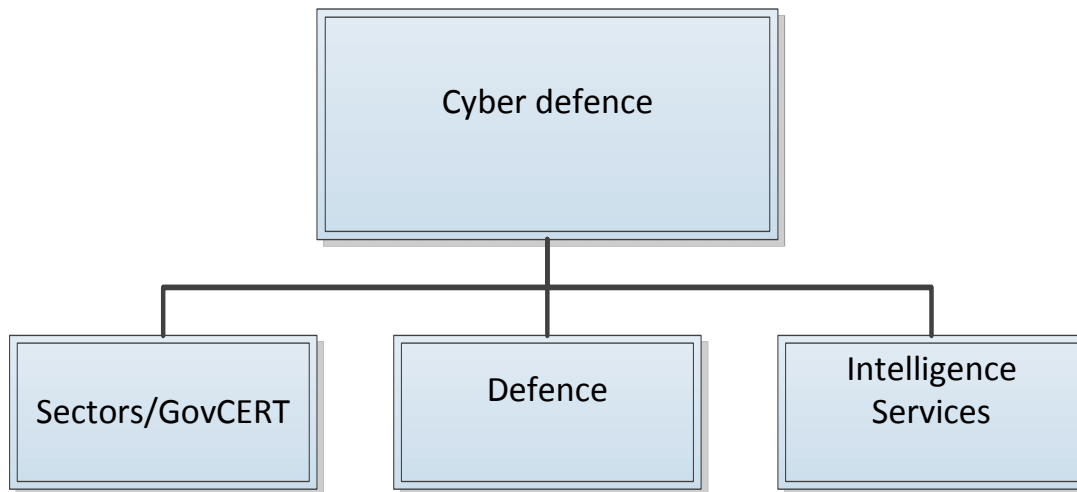
- Incident Handling
- Alerts
- On-site and off-site assistance to Gov't
- Abuse within constituency
- Securing of Evidence in cooperation with Danish NHTCU (NITEC)
- Null routing
- National Crisis Management
- National Point of Contact



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# The role of Danish GovCERT in cyber defence





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# Danish Crisis Management

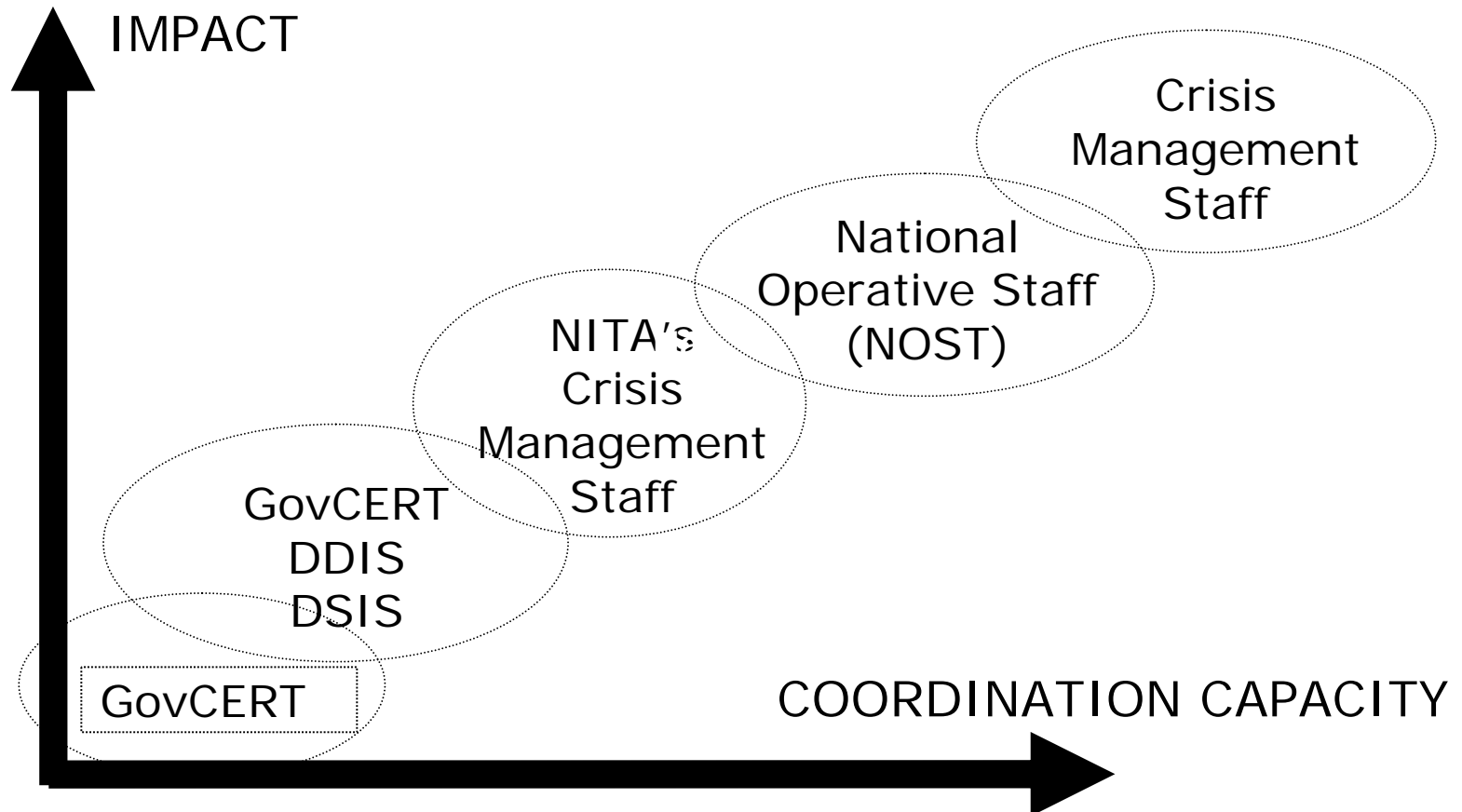
- In Denmark, the GovCERT is embedded in NITA's Crisis Management Staff
- In the event of a substantial internet attack,  
Ministry of Defence/Danish MILCERT,  
Danish Security Intelligence Service,  
Danish GovCERT,  
will liaise (24x7 POC's established) to determine cause and possible effects



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# Danish crisis management process





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# Cooperation in Practice

- Cyber Contingency Plan
- Staff Sharing in case of an incident
- Legal basis for information sharing in progress
- Common Procedures





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# Prerequisites

- Build trust! - know people
- Adhere to the same security standards
- Joint hiring process
- Exchange staff
- Know the words that are marked with “copyright”
- Acknowledge that this is a political process – agree on goal!
- Get the legal basis right



# CERT legislation: Legal Caveats - 1

- Charter of Fundamental Rights of the EU, art. 8: Such [personal] data must be processed fairly for specified purposes and on the basis of the consent of the person concerned or some other legitimate basis laid down by law. Everyone has the right of access to data which has been collected concerning him or her, and the right to have it rectified.
- European Convention on Human Rights, art. 8: Everyone has the right to respect for his private and family life, his home and his correspondence. There shall be no interference by a public authority with the exercise of this right except such as is in accordance with the law and is necessary in a democratic society in the interests of national security, public safety or the economic well-being of the country, for the prevention of disorder or crime, for the protection of health or morals, or for the protection of the rights and freedoms of others.



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## CERT legislation: Legal Caveats - 2

- Article 29 group: An IP-address is personal information
- Data Protection Directive:
  - Citizens right to insight/correction
  - Cannot use personal information in another context
- Interception or search?



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# Legislation

- The Danish GovCERT may without a warrant collect, process and store inbound and outbound data (traffic data and content data) from institutions connected to the service in respect of certain conditions
- Data must be deleted when the purpose has been met



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# Legislation – storage of data

- In case of an incident:
  - Data related to the incident can be stored for a maximum of 3 years
- Suspicion of, but no incident:
  - Content data (full packet capture) can be stored for a maximum of 14 days (begin with 6 days)
  - Traffic data (netflow data) for a maximum of 12 months



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# Legislation – information sharing and control

- Allows GovCERT to share traffic data (e.g. IP-addresses) with other CERTs internationally, national authorities and some private companies
- Allows GovCERT to pass on content of full packet capture to
  - Danish Police in case of a severe security incident
  - MILCERT if necessary to protect Danish digital infrastructure.
- Creates an independent control body



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# Questions ?



- Point of contact:
- [Contact@govcert.dk](mailto:Contact@govcert.dk)