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Informācijas tehnoloģiju drošības incidentu novēršanas institūcija

ENISA National Cyber Security Strategies workshop

Responsible Disclosure

May 13, 2015 RIGA LATVIA

Varis Teivans
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What is Responsible Disclosure?

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- **Responsible**
  - Coordinated disclosure
  - Rules of engagement & principle of doin the least possible harm just to provide POC
    - ISO/IEC 29147, ISO/IEC 30111
  - Intention
- **Full disclosure**
  - Good
  - Bad
  - Ugly

Responsible Disclosure leading actors

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- **Vulnerability**
- **Researcher / Hacker**
- **Target**
  - **System**
  - **Software**
  - **Hardware**
    - **Vendor**
    - **Owner**

- **TIME**

Responsible Disclosure leading actors

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- **ENISA defines vulnerability as: The existence of a weakness, design, or implementation error that can lead to an unexpected, undesirable event compromising the security of the computer system, network, application, or protocol involved**

  Availability+Integrity+Confidentiality

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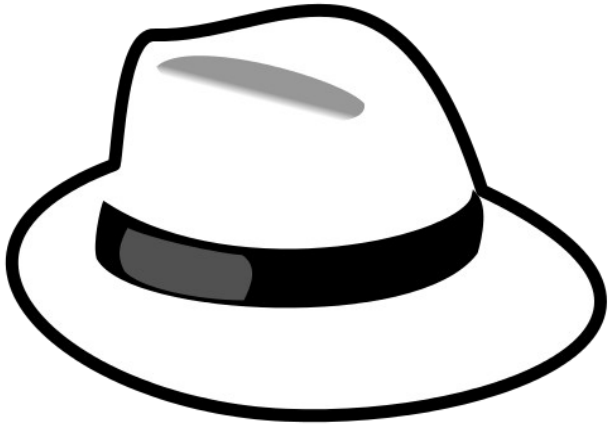
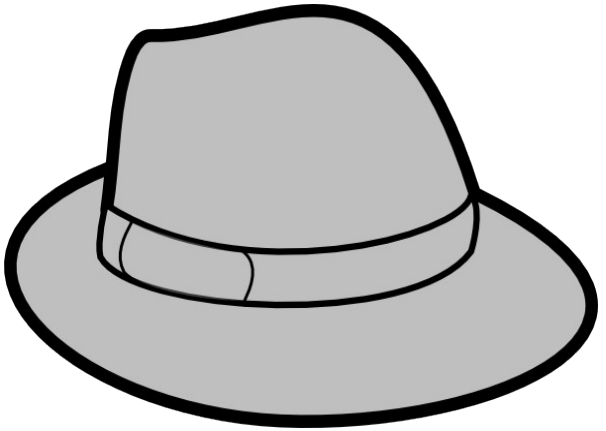
- **Black hat or White hat ?**


Responsible Disclosure implementation

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- **Responsible disclosure VS Bug Bounty**
- **Motivators**
- **CERT as coordinator**
- **Timeframe**

Responsible Disclosure Goals

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- **A common RD framework that can be applicable country / EU wide**
- **Protect the researcher ?**
- **Comply with existig legal framework?**

Responsible Disclosure Experience in Latvia

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- **Implemented: Swedbank**
- **Not implemented but has use cases**
  - **Valmiera municipality**
  - **Bank authentication**
  - **Several government web sites & information systems**
  - **Mobile apps**
  - **Public transport RFID**

Responsible Disclosure Things to consider

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- **Bug bounty / Bug hunting**
- **Defining a reaction time**
- **Responsible / Coordinated**
- **Reaward**
- **There are risks but benefits seem to be more**
- **Educated & security aware society**

Thank you!