

WE CAN  
DO SO  
MUCH  
TOGETHER

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# What cybersecurity means for the power generation industry

# Landscape

Increment in  
**connected devices**

**Old protocols** with  
no cybersecurity in  
mind

**Different devices**  
from different  
manufacturers

**User-friendly**  
oriented devices

Transition to  
intelligent **digital**  
**networks**

# Scenario becomes worse...

Systems must remain operative during the attack

- Availability rather than Confidentiality
- Less efficiency in backup strategies

Response time must be extremely short

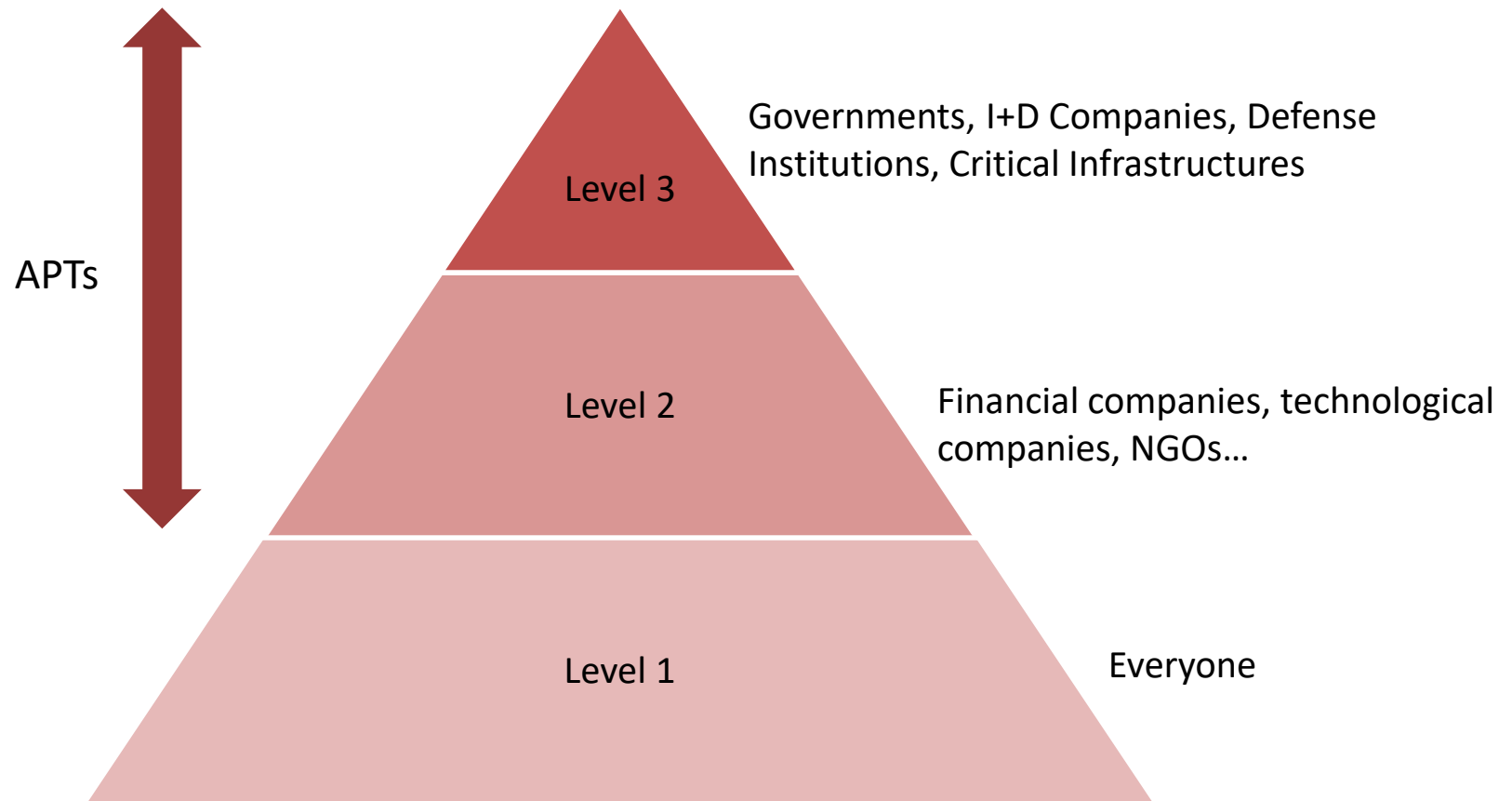
- Vulnerable to Denegation of Service attacks
- Security measures can affect latency

Sophistication

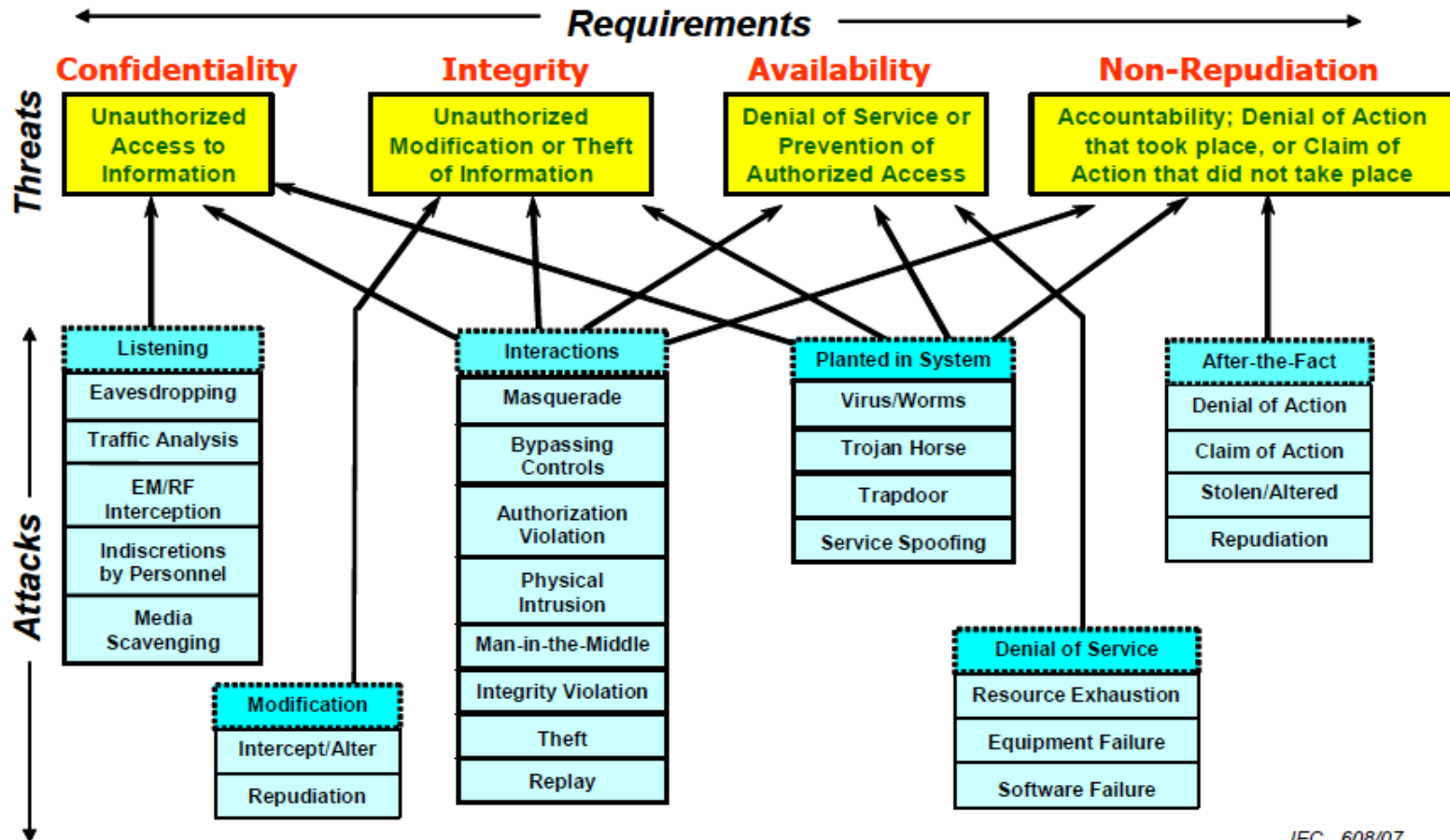
- Defenders have a lack of expertise
- Well-prepared attackers
- Tailored malware

Critical infrastructure

- Governments involved
- APT: Advanced Persistent Threats

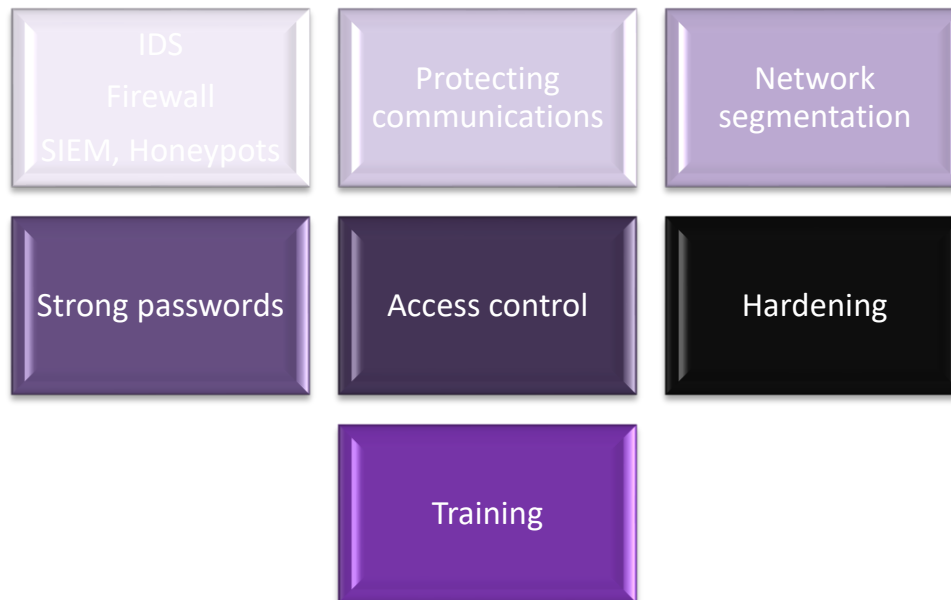


# Threats



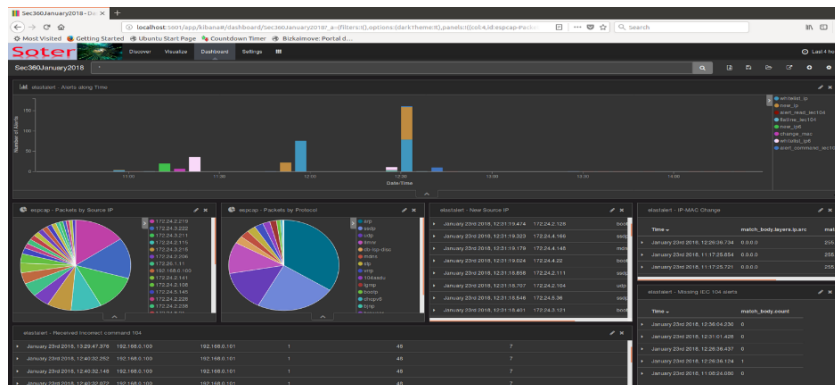
IEC 608/07

# Basic contramesures



Blockchain?

## Use case



## What if everything fails?

## Disaster Recovery Plans

## Resilience

# Blockchain could work as

- Background infrastructure to connect different devices
- It can prevent an incoming attack by comparing logs
- It guarantees traceability, integrity, confidentiality and non repudiation

