

**The Network of the Future:  
Challenges of the Internet of Things**

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The Policy:  
What we have to do with the  
Internet of Things?

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## The Policy: What we have to do with the Internet of Things?

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- ONS
- Problems with DNS/ICANN
- ONS on top of a gTLD – consequences
- Policy for an ONS

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## ONS

- Automated networking service based on DNS
- Centralized database managed by VerSign
- Locates authoritative metadata and services associated with a given EPC
- Similarities/differences DNS/ONS

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## Problems with DNS

- Internet service with history of security issues
- Direct transfer of weaknesses to ONS
- Ruled by a single organisation (ICANN)

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## ICANN - Point of international criticism

- Public policy set by a private entity
- US influence
- Legitimacy, transparency, accountability

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## ONS on top of a gTLD – consequences

- „Unique root“ vs. Multiple-root system
- Distributed ONS System with peer roots
- ICANN for ONS?

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## Policy for an ONS

- Access to sensitive data, critical resources
- Multilateral management
- Ruling by a single country/organisation might hinder international acceptance
- Digital divide