

# What is the Cyber Territory of a Country?

Silke Holtmanns (Cyber Security Team Espoo)

Joint work with:

Ian Oliver (Nokia), Sini Ruohomaa (Ericsson),

Jon Crowcroft (Univ of Cambridge), Stephane Betge-Brezetz (Nokia)

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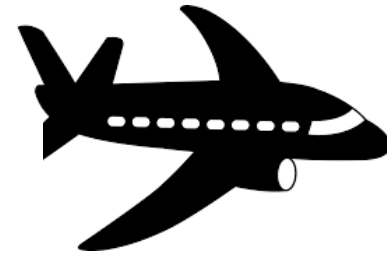
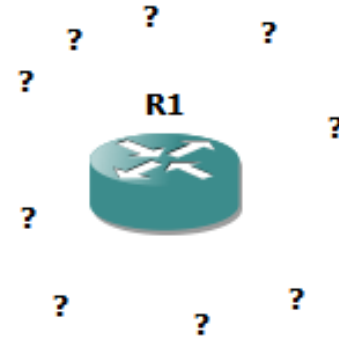
# Classical Country Border



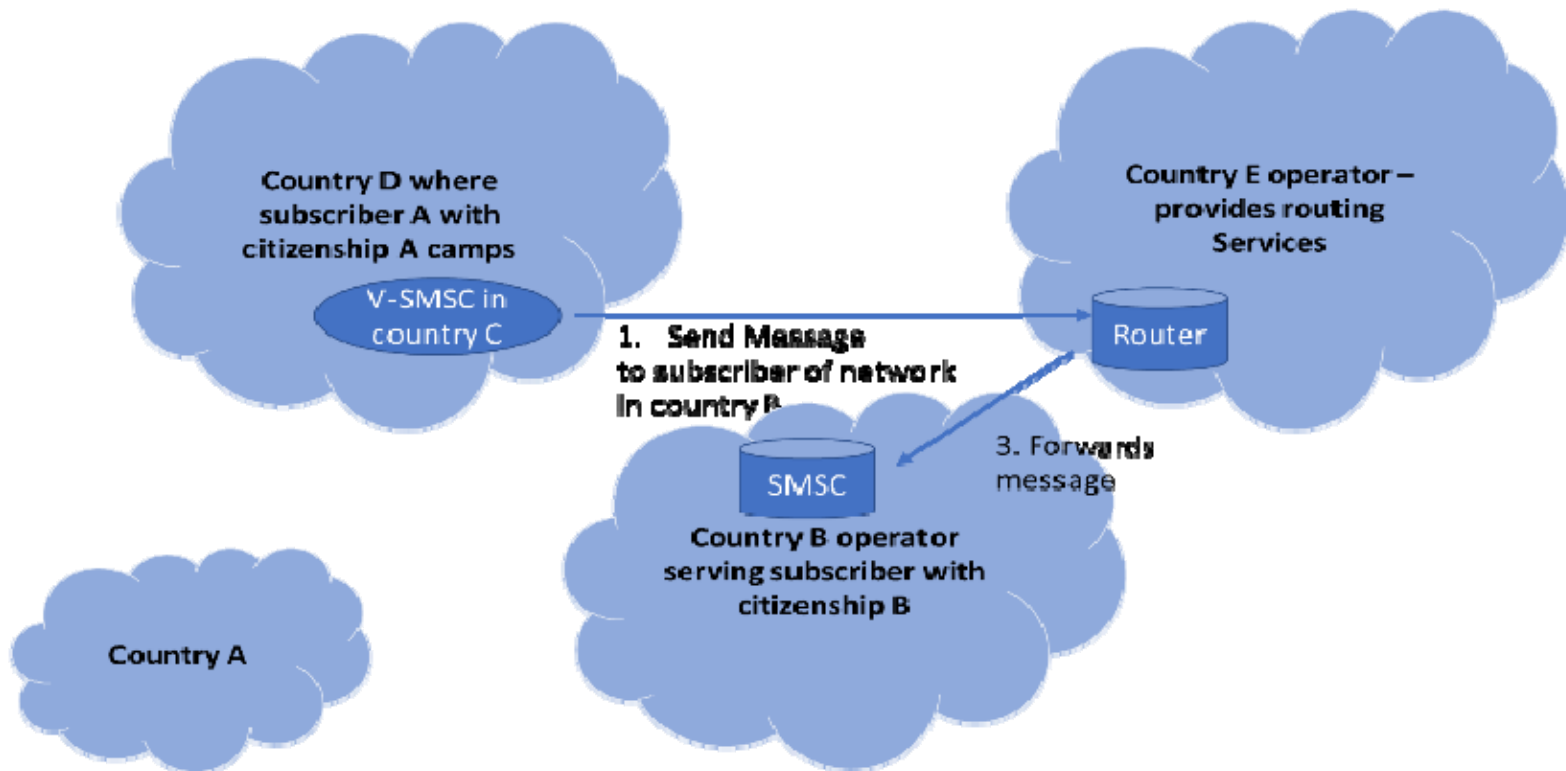
# Classical Country Border



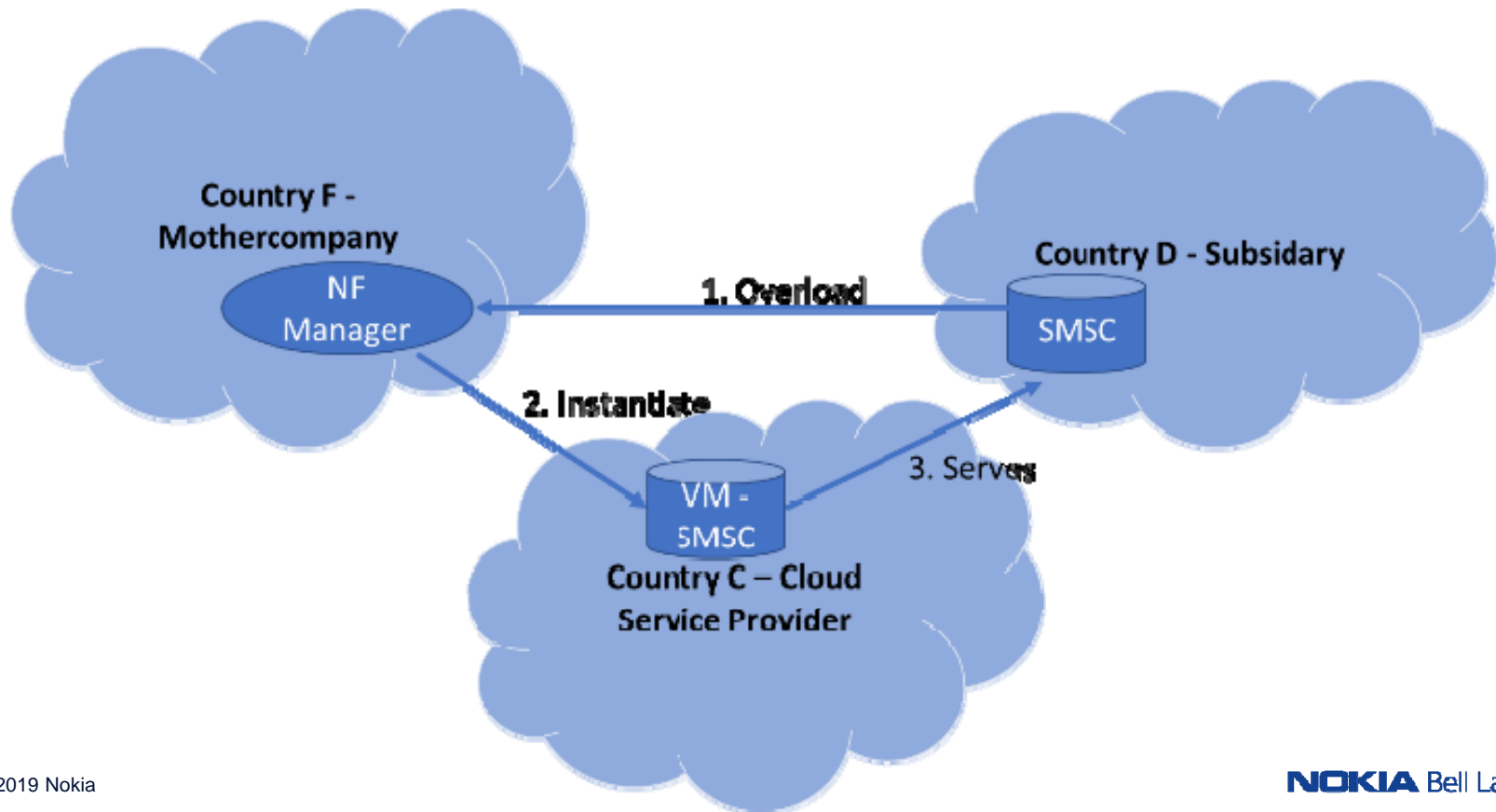
# The New Age for Telcos



# The problem.....roaming



# The problem.....company set-ups



# Rules for data? Whose rules

- Rules for privacy
- Rules for liability
- Rules for data storage
- Rules for location tracking
- Rules for lawful interception
- Rules for support of governmental agencies
- Rules for digital invasion & hacking back?

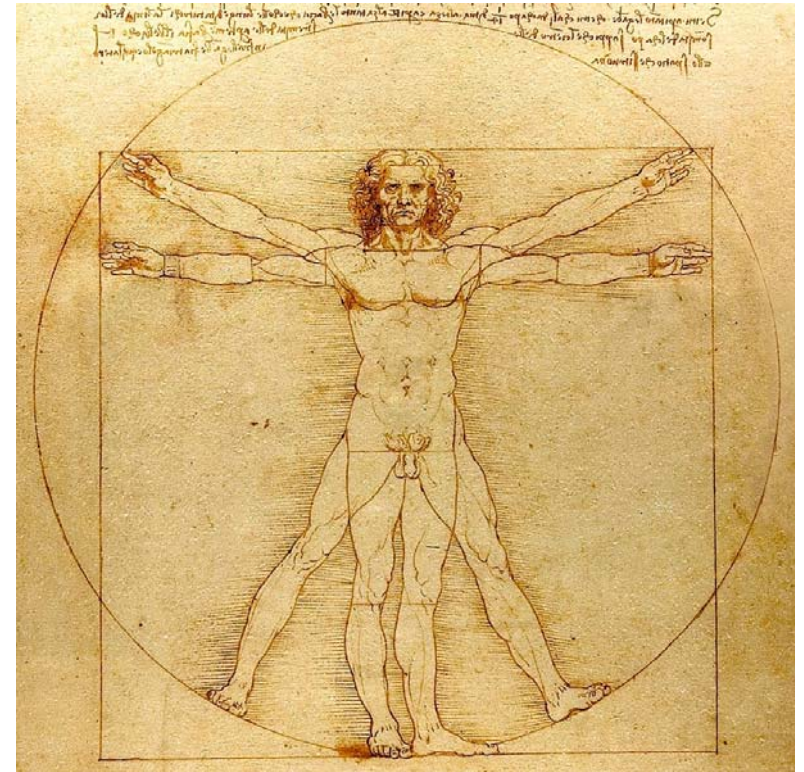
# Defining Concepts for Cyber Territory of a Country – The Citizen

## Concept

- Data element is bound to the citizenship of the data generator

## Issues:

- What about the data receiver (e.g. phone call)
- Citizenship would need to be stored
- How to define citizenship for technical entities e.g. virtual node, management data





# Defining Concepts for Cyber Territory of a Country – The Residence (temp/permanent)

- Data element is bound to the residence of the data generator

## Issues:

- What about the data receiver (e.g. phone call)
- Residence would need to be stored and attached
- Difficult with international hostings/cloud



# Defining Concepts for Cyber Territory of a Country – The Legal Processing Entity

## Concept

- Data element is bound to the rules of the country where the processing entity is registered

## Issues:

- Service might be located in convenient countries
- Routing / hosting
- Subsidiary questions
- Creation of legal "bubbles"



# Defining Concepts for Cyber Territory of a Country – The Physical Location of Servers

## Concept

- Data element is bound to the physical placement of the servers

## Issues:

- Routing intermediaries
- In virtualization physical placement is not known
- Sometimes used in combination with citizenship



# Defining Concepts for Cyber Territory of a Country – Relevance Based

## Concept

- Relevant for a country, therefore wants to "rule the data"

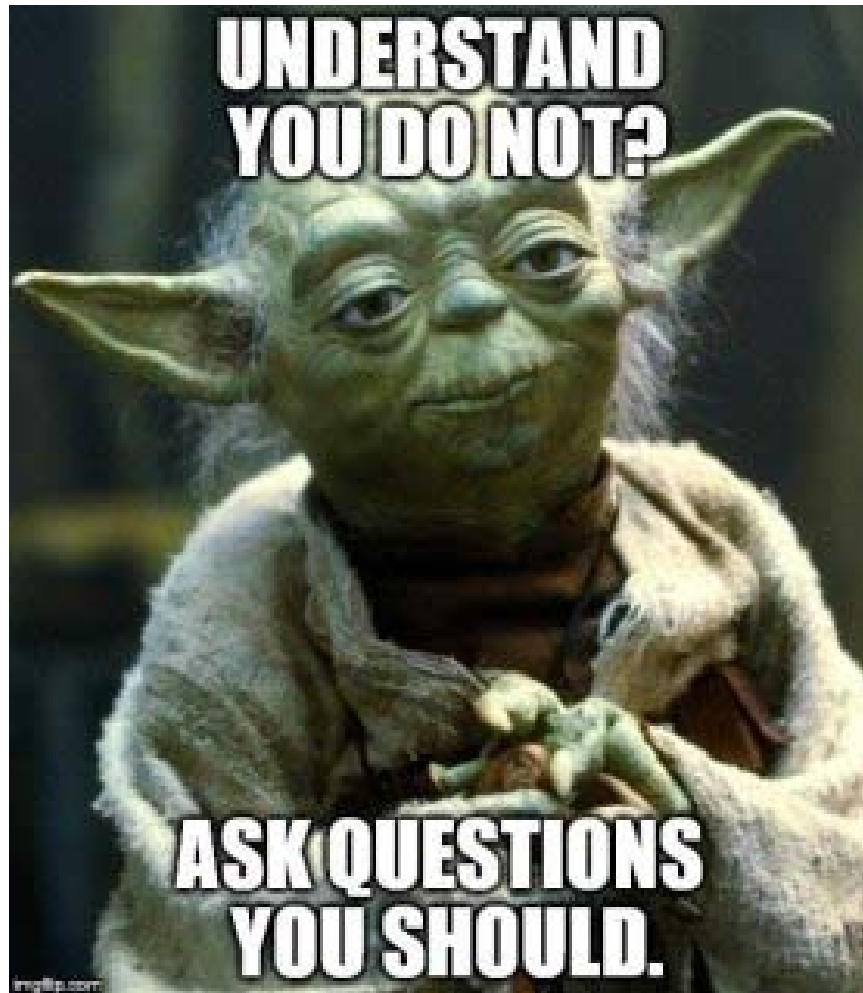
## Issues:

- I do not want even to start.....



# We Need to Talk





**UNDERSTAND  
YOU DO NOT?**

**ASK QUESTIONS  
YOU SHOULD.**

**NOKIA**