Conference Review

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ICIN'2013 TPC Chairman

Agenda

- General remarks
- The future of real-time communications
  - Dean Bubley, Disruptive Analysis
- Agile telco networks for innovative services
  - Roberto Minerva, Telecom Italia

Looking for a magic answer

Goal

Reduce Time-to-Market to deliver services

Reduce OPEX and CAPEX

Finding new business models and killer apps…

(1) Exploring solutions for increasing network agility

(2) Moving intelligence back an forth between the terminal and the network

(1) Increasing network agility

Goal
Reduce Time-to-Market to deliver services
Reduce OPEX and CAPEX

ICIN'1989
Dominant technology: CS
Services are voice-centric
Transport services not a concern

ICIN'2013
Dominant Technology: IP
Services are multimedia
Transport services equally important as application services

Same solutions?
Make the networks programmable
Externalize & centralize intelligence

(2) Moving intelligence across the UNI

- ICIN'89
  - analog dumb client, no processing capacity
  - Service Logic in the network
- ICIN'2000
  - SIP intelligent client, some processing capacity
  - Service Logic shared between the devices and the network
- ICIN'2013
  - Dumb Web-based client, ever increasing processing capacity
  - Service logic in the network **but** executed in the device

ICIN'2013: What's new?

- Advocated **technical approaches are similar** than in the late 80's but **the tools are different**:
  - New tools for application services:
    - WebRTC and Web technologies in general, context-management
  - New tools for transport services and infrastructure agility
    - SDN, NFV & Cloud technologies, CCN
- and there are **new security threats** (Cloud-related, new type of endpoints…)

- **New types of endpoints** (e.g. IoT/M2M) playing an increasing role

- **New business models**: Not only **cooperation with** OTT players, but also with **utilities, car industry, public transport**…
- Communication technologies as means to enter **new market segments** (mobile banking, recommendations business, e-health, e-learning…)
  - While keeping in mind the importance of privacy management

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Thanks