



**Istituto Superiore
delle Comunicazioni e Tecnologie dell' Informazione
(ISCOM)**

**Regional Workshop for Europe
New Issues in Quality of Service Measuring and Monitoring
25-26 November 2015,
Villa Griffone, Pontecchio Marconi, Bologna, Italy**

**“Ministry ISCOM & FUB Research programme:
Broadband performance monitoring”**

Presented by ing. Tiziano Inzerilli



ISCOM MISSION

- *Services*
- *Standardization*
- *Education*
- *Training*
- *Based and applied research*
- *Security*



Organismo di Certificazione della Sicurezza Informatica



UNINFO



Research Projects of ISCOM with FUB and Universities on network measurement 2015-2016

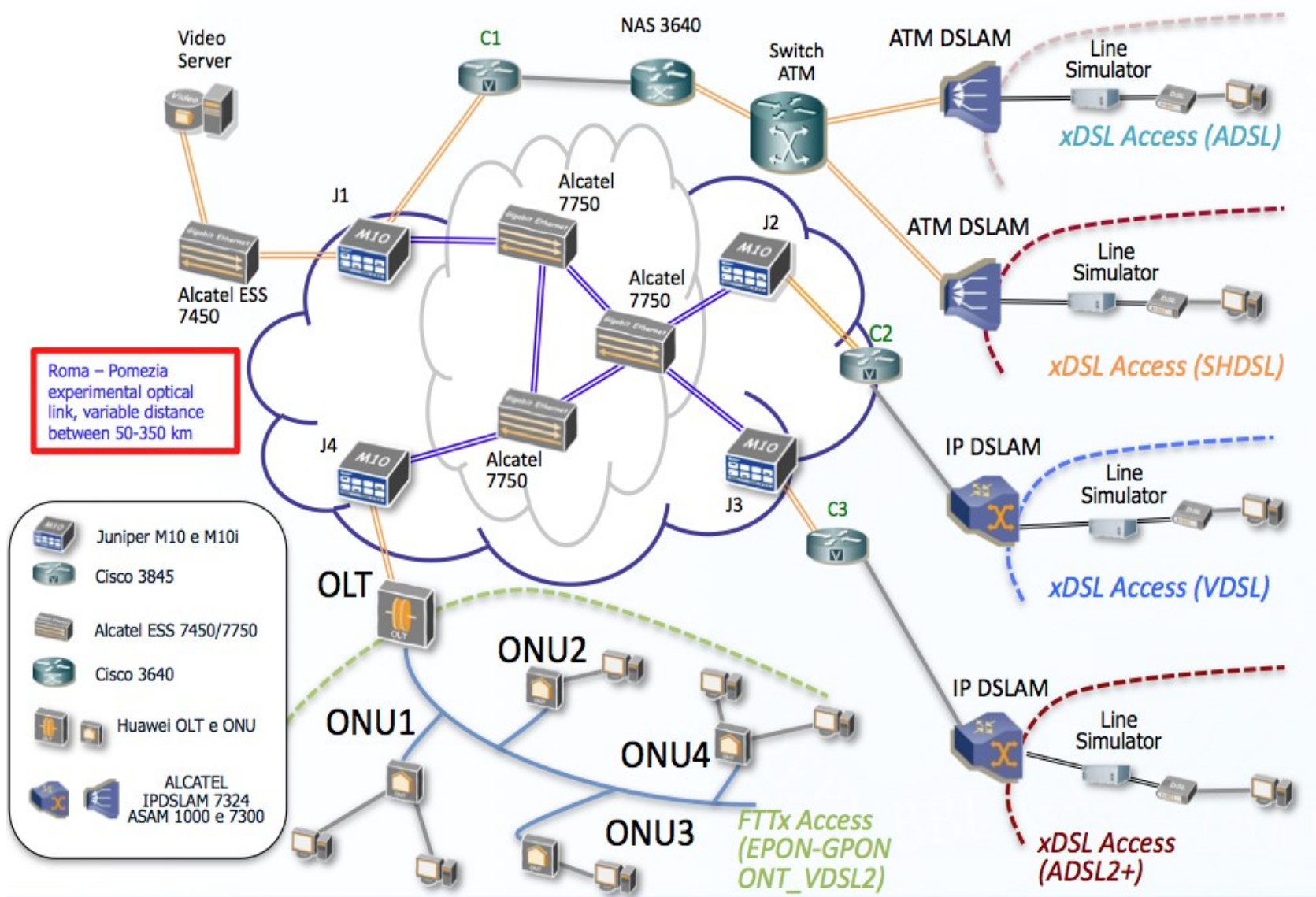
- Q5G (ISCOM-FUB): Overview of NGNs, source and channel coding for provision of audio-visual services
- (ISCOM-FUB-POLIMI): State-of-the-art, forecast on development and impact of FTTx technologies on access networks
- PACAB (ISCOM-FUB-POLIMI): Parameters for best-effort service in broadband access networks
- Assessment of NGN impact on energy saving (Green networks e climatic changes)
- Quality for Multimedia Services (QoS e QoE)



ETSI ES 202 765 v 1.2.1 may 2014

Requirements for certification

- TEST PLANT including “multivendor core-access” (routers, for access and backbone, various DSLAM technologies with broadband xDSL links).
- Tools for traffic generation and analysis:
 - **Download and upload data transmission speed**
 - **Data transmission delay**
 - **Packet loss rate**





Article 3 of AGCOM Resolution 188/09/CSP assigns the following activities to ISCOM , in addition to certification:

Istituto Superiore delle Comunicazioni e delle Tecnologie dell' Informazione, as supervisor and controller of the activities of the independent body (FUB):

supervises reports of Technical Board meetings coordinated and organized by FUB for definition of measurement activities



Participation to Technical Board and Steering Committee meetings

In addition to Technical Board meetings, ISCOM participates to yearly “Steering Committee”, chaired by AGCOM.

ISCOM together with FUB participates to Steering Committee meetings and reports on Technical Board meetings, to allow AGCOM to assess proposals and results of Technical Board meetings.



Annual Report

ISCOM reports to AGCOM every year by 31st of January (starting from the second year) and details its activity on supervision, control and certification conducted the previous year



ISCOM task is conducted

- with the guarantee of independence among private and public parties.
- with a constant monitoring by means of regular meetings and know-how exchange with AGCOM and FUB in order to assure that all run measurements are compliant with the requirements.



To sum up

ISCOM activity is possible thanks to a consolidated cooperation with all stakeholders and with an action oriented to effectiveness and efficiency criteria.



Thanks for the attention

Dott.ssa Rita Forsi

General Director

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