

# MUPBED Booth Demonstrations TNC 2007



Multi-Partner European Test Beds for Research Networking

MUPBED booth demonstrations  
TERENA Networking Conference  
May 21-25, 2007  
Copenhagen, Denmark

<http://www.ist-mupbed.eu>

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# MUPBED Demonstrations

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MUPBED Booth  
TNC07  
Exhibition

## 1. MUPBED control plane functions

- **ASON signalling from IP/MPLS and Ethernet client network domains (IP/MPLS at TID and Acreo, Ethernet at PSNC)**
- **On-demand Ethernet switched connections (SC)**
  - Ethernet SC TID – TI – DT – PSNC
  - Ethernet SC TID – TI – DT – Acreo
  - Ethernet SC Acreo – DT – PSNC
- **Initiated from test bed sites TID, Acreo, PSNC**
- **Shown at the ClearPond topology display**

## 2. On-demand uncompressed video transmission based on Ethernet SC initiated by the (DTU) GUI implementation

- **Data plane: FAU–DT–Acreo–DTU/Exhibition (ca 2000 km), BW ca 400 Mb/s**
- **Control plane: FAU – DT – DTU/Exhibition**

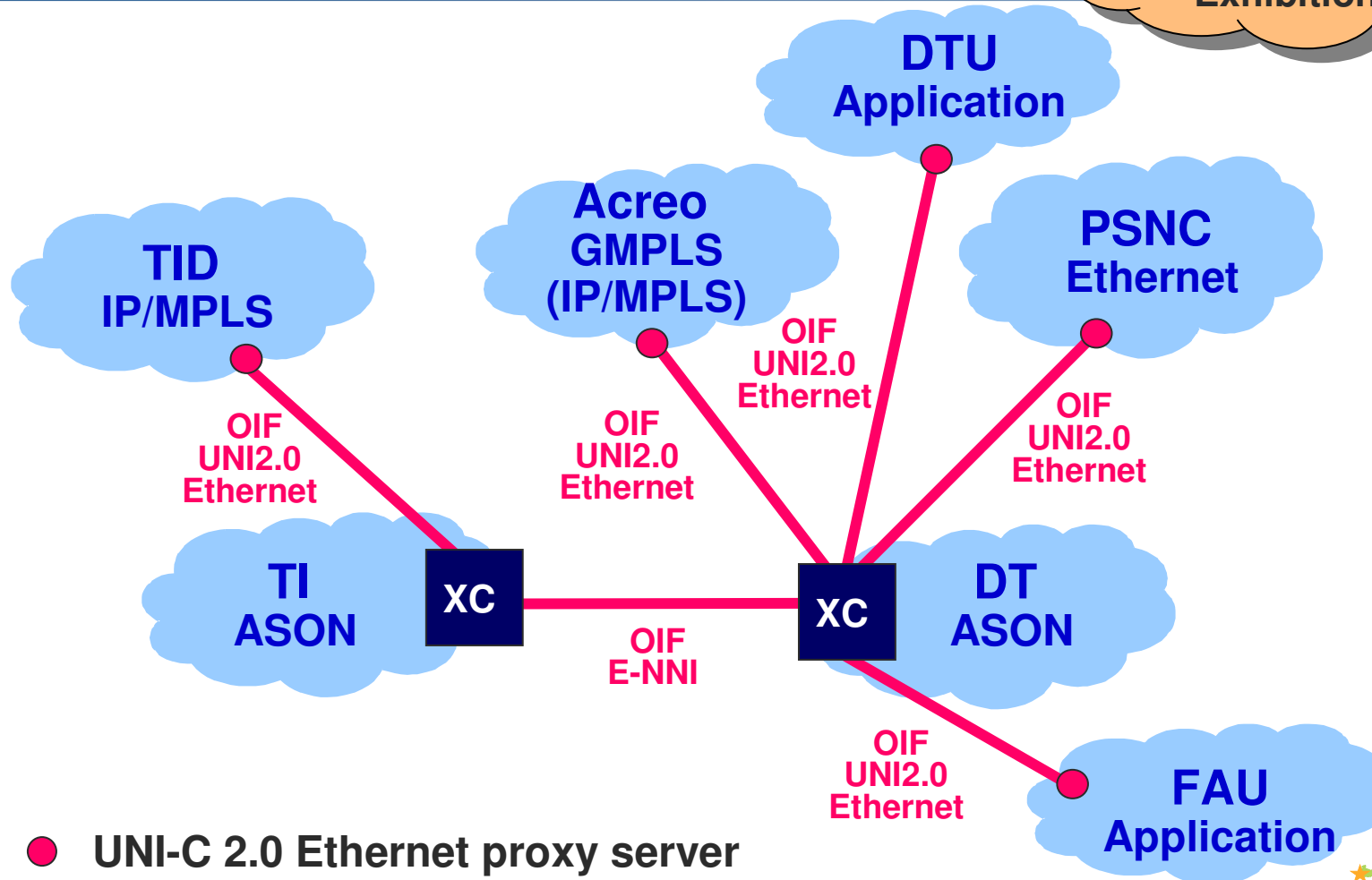
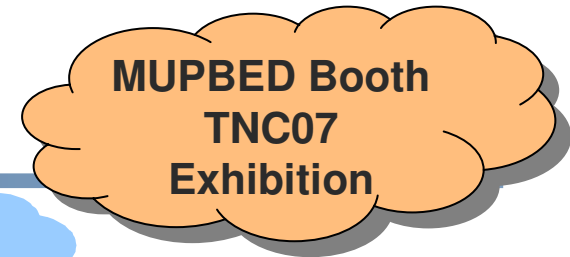
## 3. Remote SAN on-demand demonstration at TI

## 4. HQ video conferencing comprising 3 MUPBED sites TID, DTU

- **Based on statically provisioned L2 connections TID – Acreo – DTU**

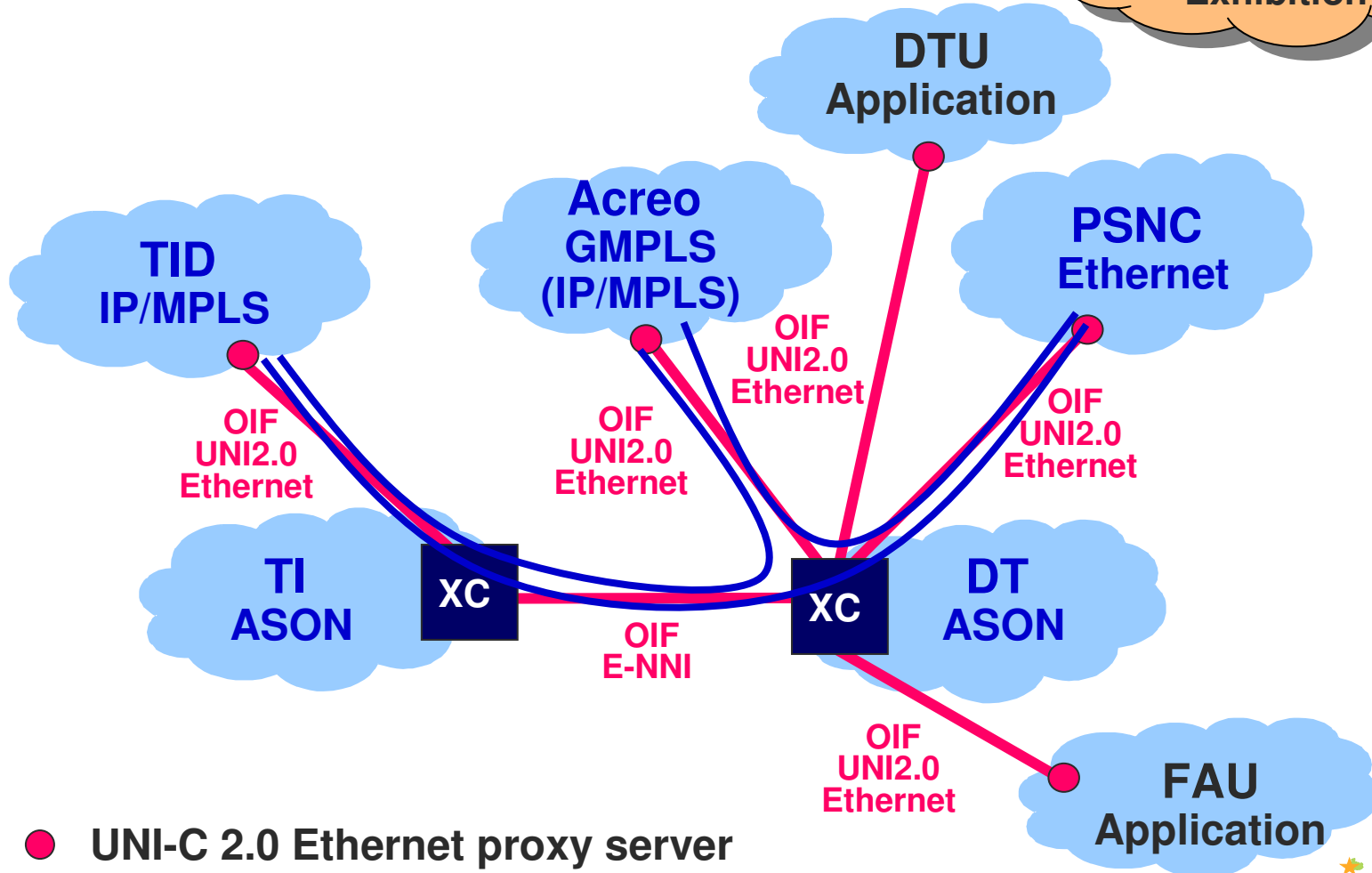


# 1. MUPBED control plane functions



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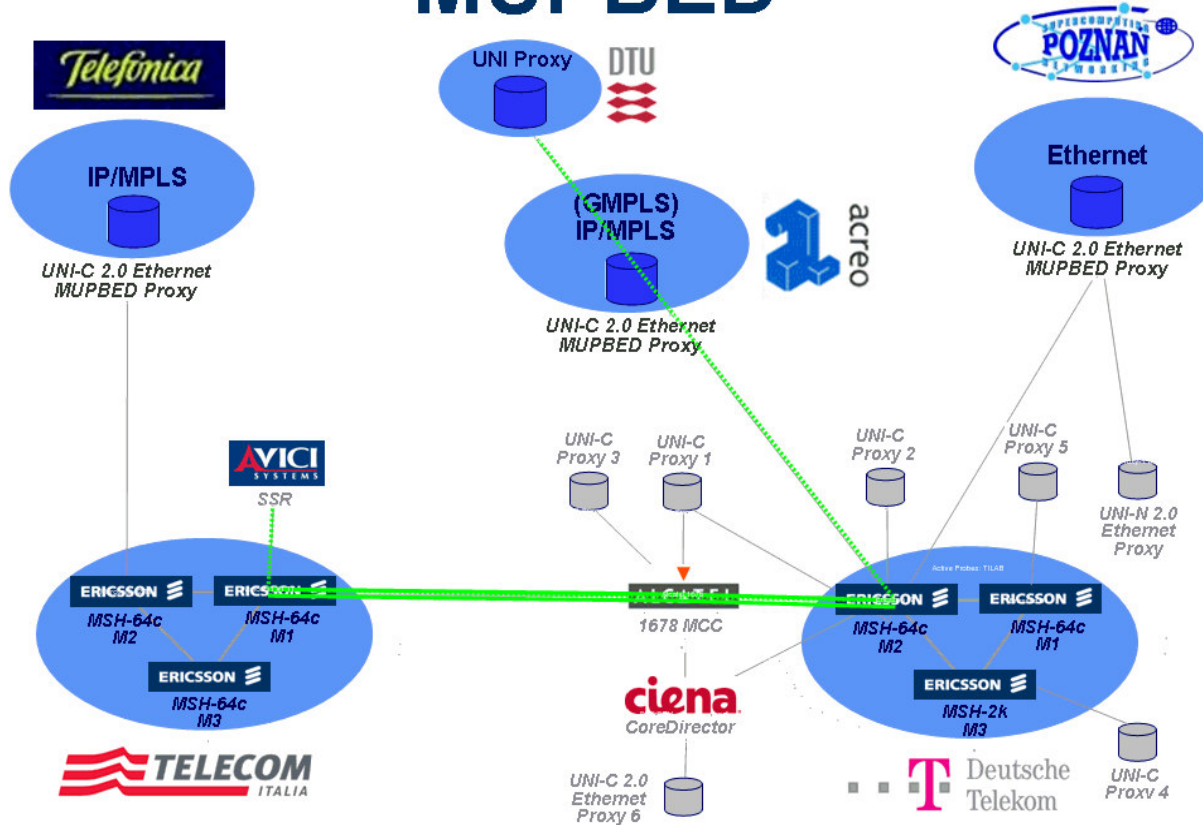
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# ClearPond View (example): Control plane connections

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## MUPBED



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## 2. **Uncompressed, on-demand video transmission based on Ethernet SC initiated by the (DTU) GUI implementation**

- Data plane: FAU–DT-Acreo–DTU/Exhibition (ca 2000 km), BW ca 400 Mb/s
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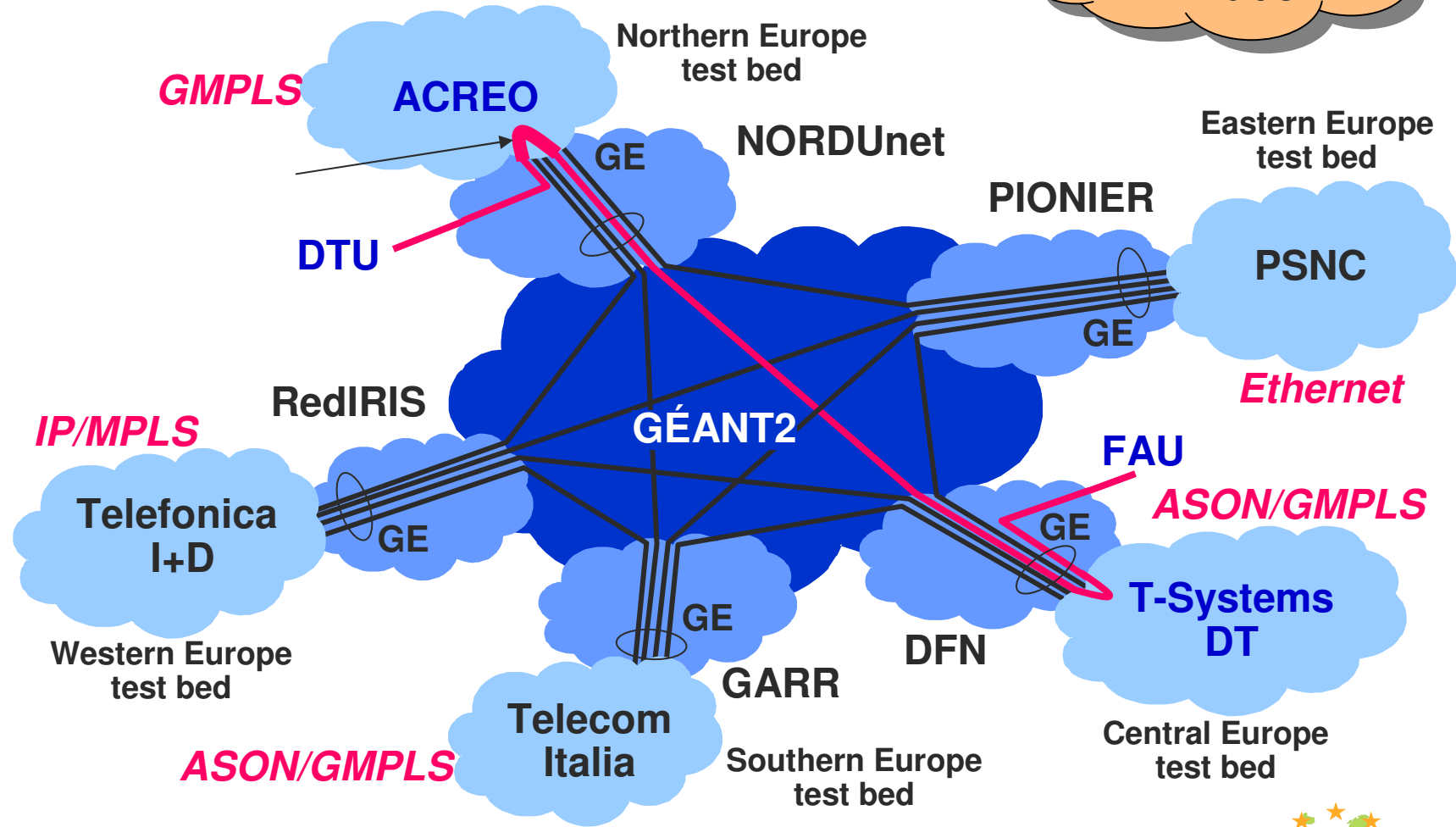
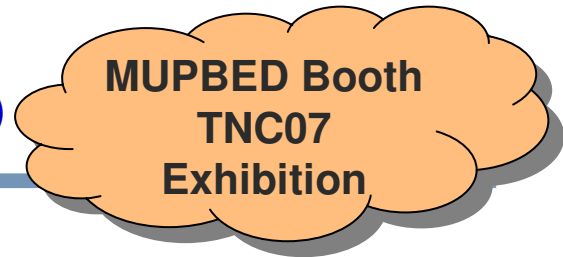
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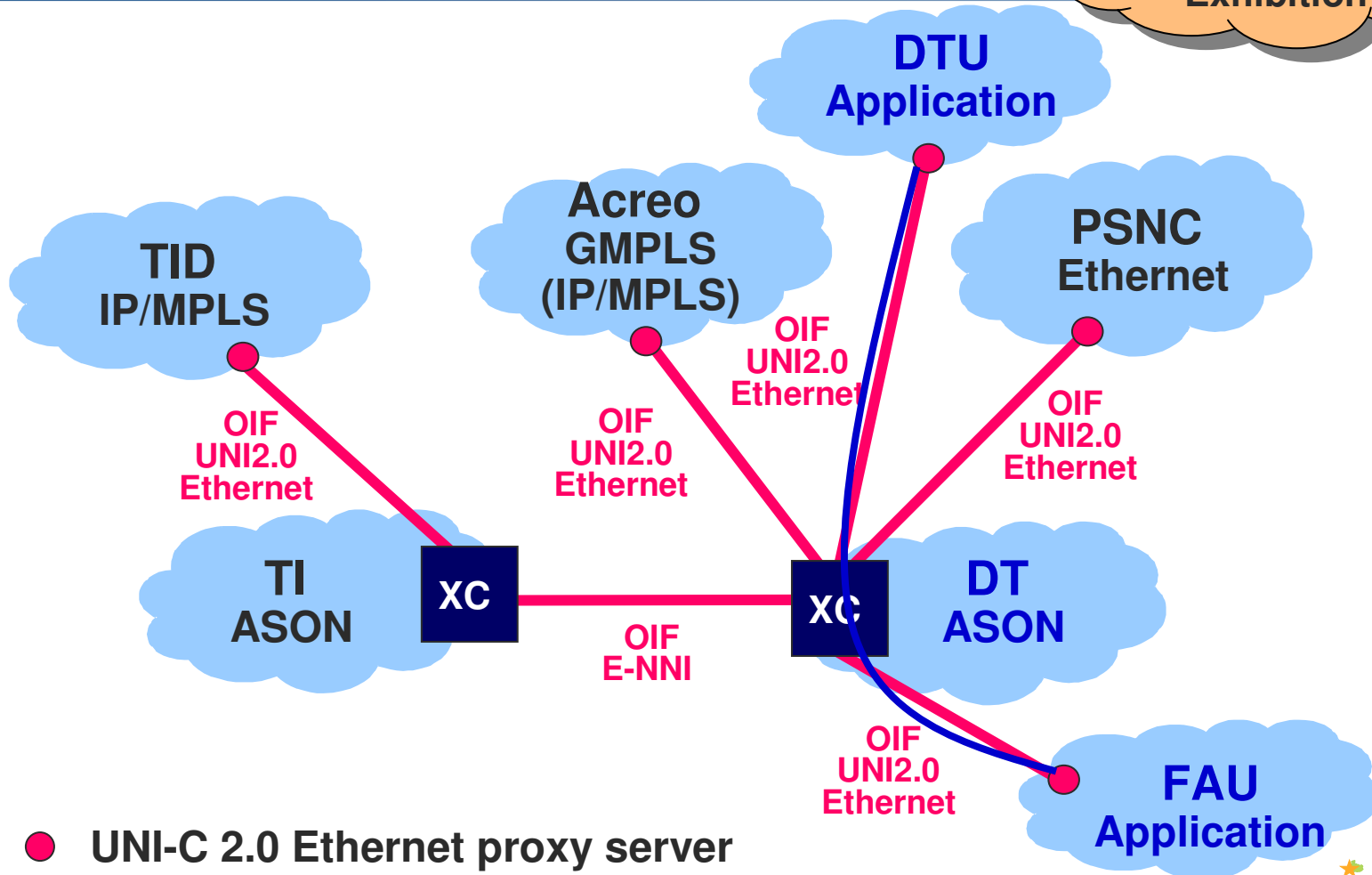
- Based on statically provisioned L2 connections TID – Acreo – DTU



2. Uncompressed, on-demand video transmission  
Data plane: FAU-DT-Acreo-DTU/Exhibition (ca 2000 km)



2. Uncompressed, on-demand video transmission  
Control plane functions: FAU – DT - DTU



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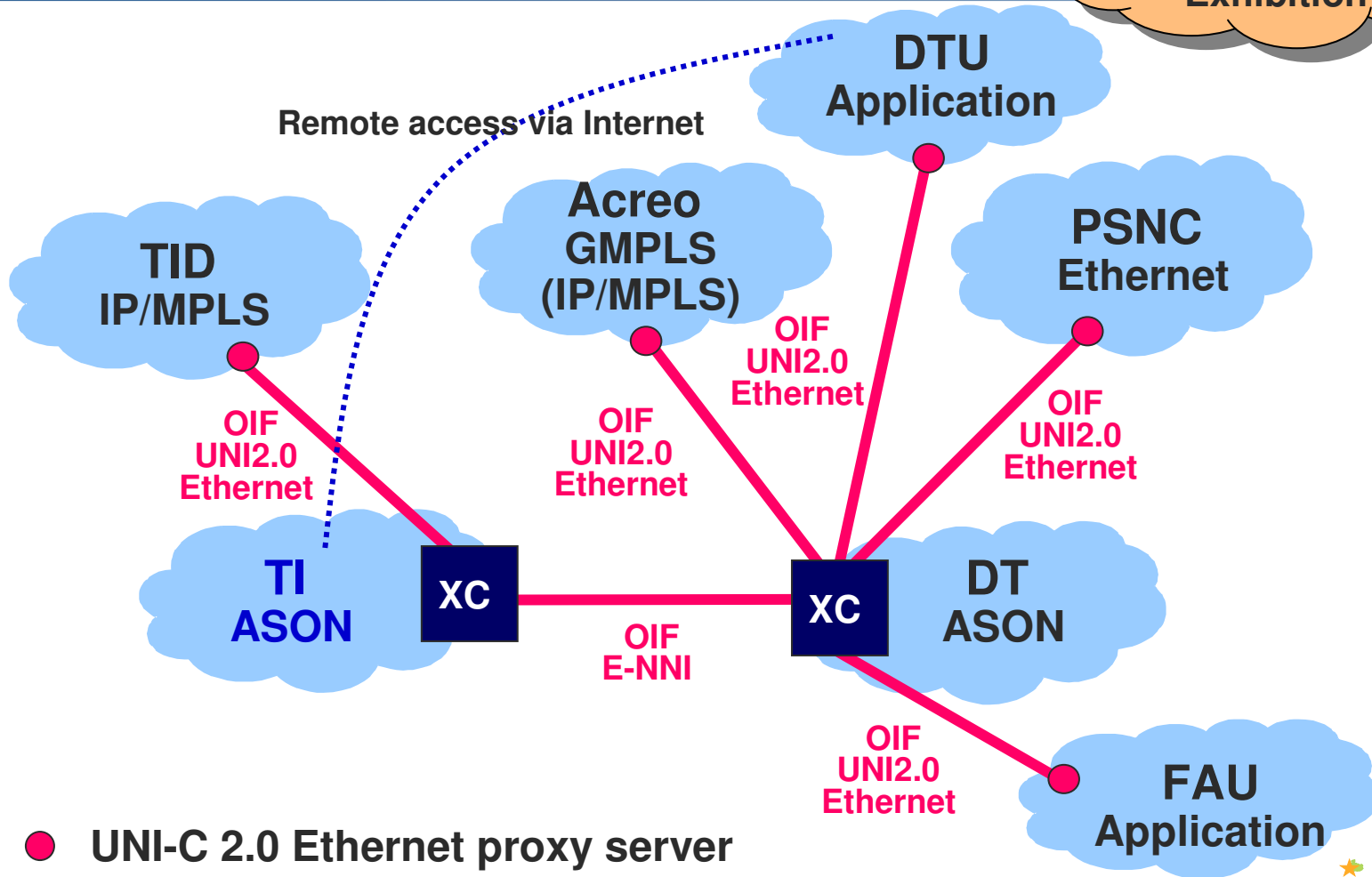
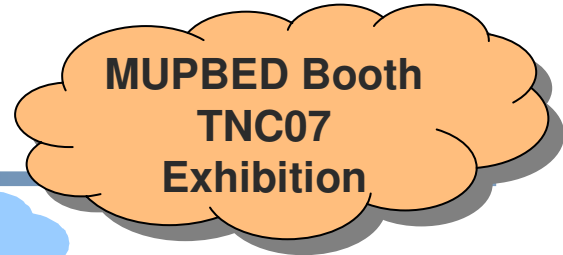
## 3. Remote SAN on-demand demonstration at Telecom Italia (TI)

## 4. HQ video conferencing comprising 3 MUPBED sites TID, DTU

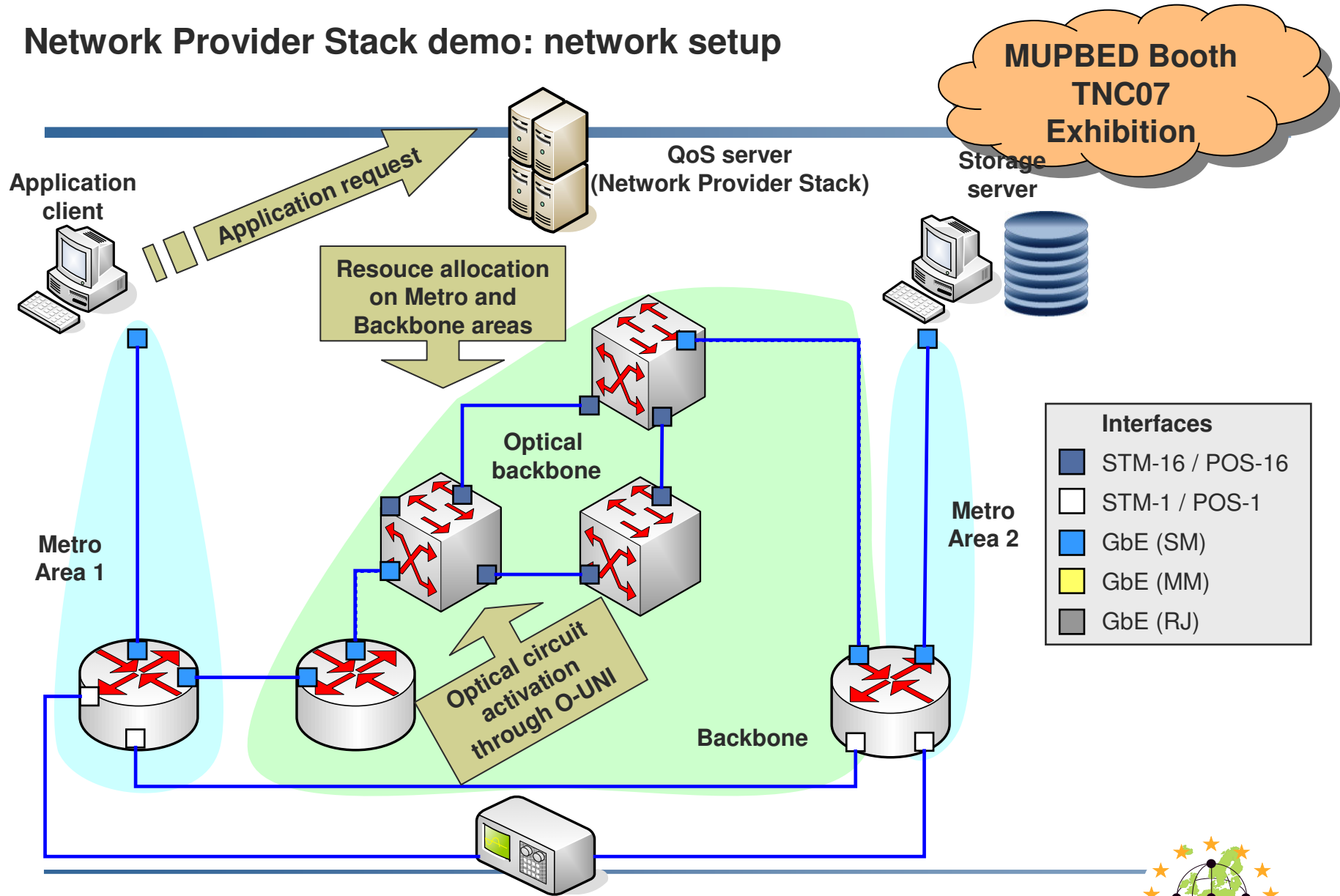
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### 3. SAN on-demand demonstration (Vertical integration - Network Provider Stack)



# Network Provider Stack demo: network setup



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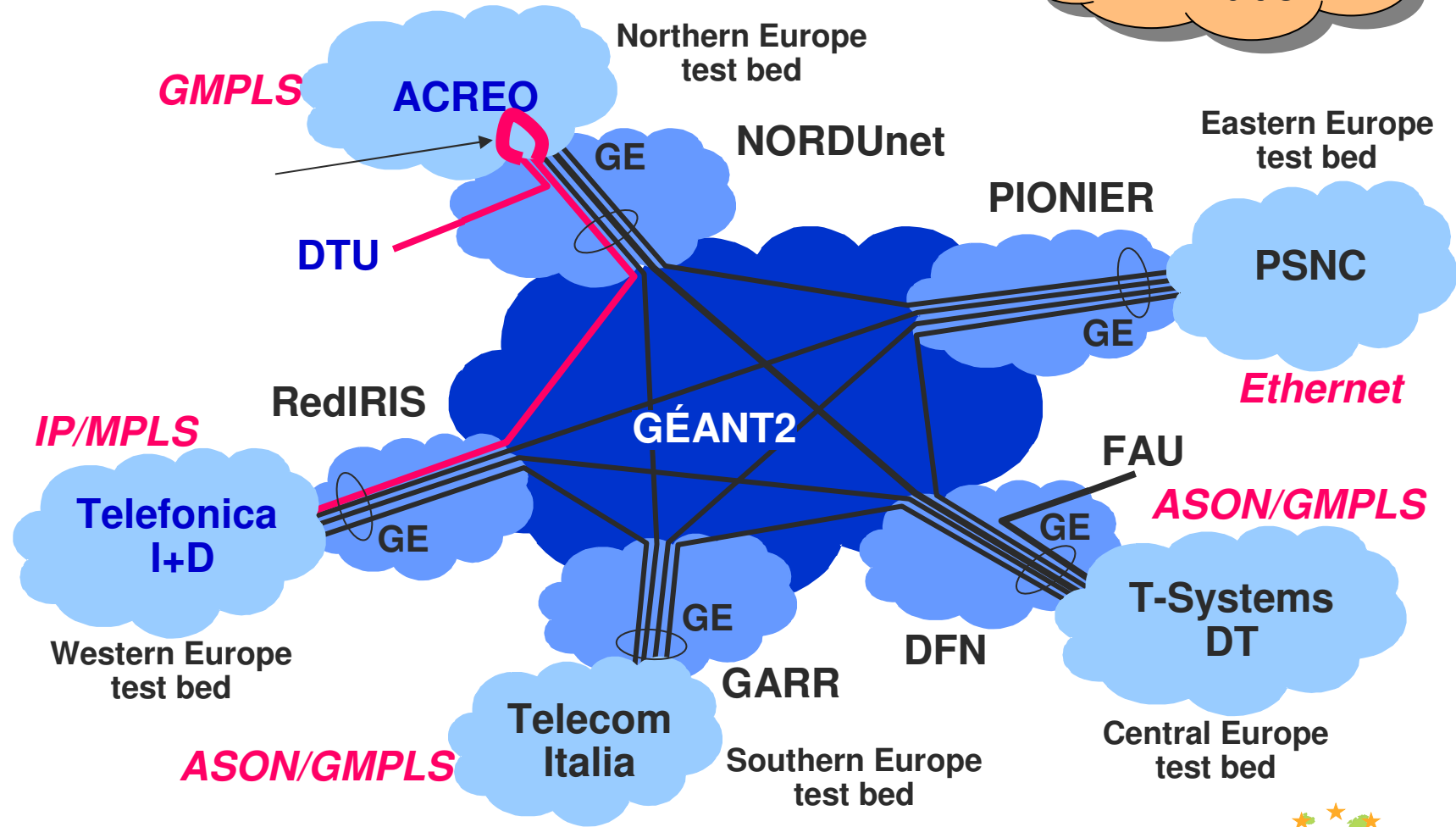
## 4. HQ video conferencing comprising 2 MUPBED sites TID, DTU

- Based on statically provisioned L2 connections TID – Acreo – DTU



4. HQ video conferencing  
Data plane: TID – Acreo – DTU

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# TERENA 2007 – Multi-partner Videoconference Demo

## General scenario

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