

2009 OIF Worldwide Interoperability Demo Enabling Broadband On-Demand Services



Content

- **Company Overview**
- **Functional role in the demonstration**
- **Network interface topology diagram**
- **Technology role in the demonstration**
- **Application role for Carrier networks**
- **Benefits for Carrier Networks**

Company Overview

- China Telecommunications Corporation (China Telecom) is an extra-large state-owned telecom operator. China Telecom's main businesses of integrated information services include: fixed line telephony, mobile communication, internet access and applications etc.
- China Telecom owns the largest global fixed-line telephone network that covers the cities and towns as well as the rural areas of China and penetrates to every corner of the world.
- China Telecom completed listing its shares at New York and Hong Kong stock exchanges in 2002

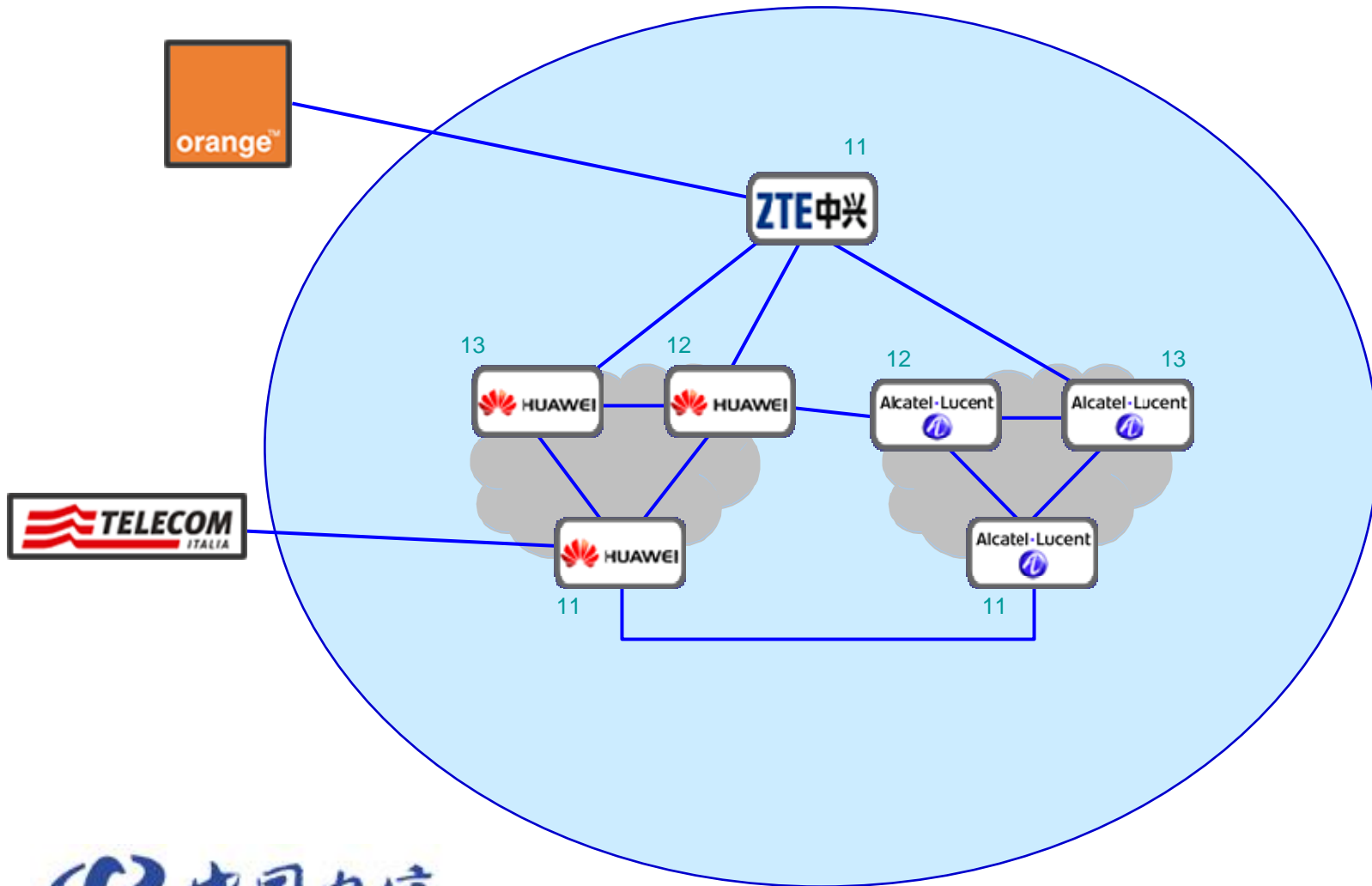


Functional Role in the Demonstration

- CT hosts the interoperability testing site for Call restoration mechanism across multiple domains.
 - without UNI-C equipment
 - UNI-N equipment:
 - Huawei OSN3500
 - Alcatel-Lucent MCC1678
 - ENNI-N equipment:
 - ZTE ZXMP-385
 - Huawei OSN3500
 - Alcatel-Lucent MCC1678

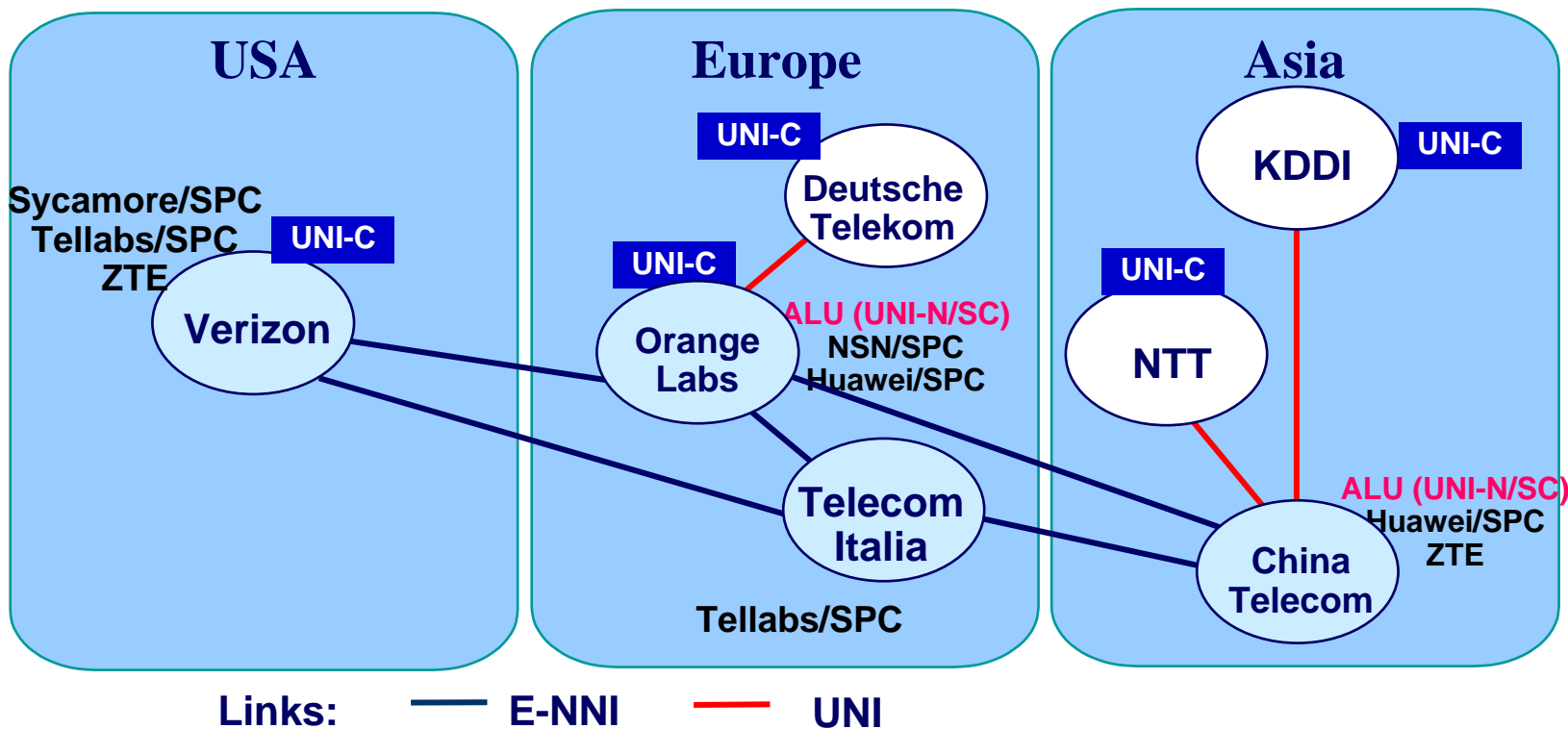


Network Interface Topology Diagram



Technology Role in the Demonstration

- Complete the call restoration across three domains, in CT lab
- Complete the call inter-carrier restoration, as source, destination and transmit lab



Application Role for Carrier Networks

- There are different vendors' ASON equipment within the network of China Telecom.
- The call restoration mechanism across multiple domains can realize end-to-end restoration across different vendors' domains.
- For example:
 - The call must transit through backbone network and metro-network.
 - Different vendors' ASON equipment is applied usually within backbone network and metro-network.
 - The mechanism must be implemented for realization end to end restoration.

Benefits for Carrier Networks

- Advance ENNI application in real world network for meeting the requirement of China Telecom.
 - Improvement of equipment quality and reduction of equipment price are a result of competition between different vendors.
 - Quick and dynamic provisioning of connections between different vendors.
 - Quick and convenient provisioning of end-to-end restoration between different vendors.