

Title:	Public Trial Madrid 2003 Global IPv6 Summit	Document Version: 0.2
---------------	--	-------------------------------------

Project Number: IST-2001-32161	Project Acronym: Euro6IX	Project Title: European IPv6 Internet Exchanges Backbone
--	------------------------------------	--

		Deliverable Type* - Security**: R – PU
--	--	--

* Type: P - Prototype, R - Report, D - Demonstrator, O - Other
 ** Security Class: PU- Public, PP – Restricted to other programme participants (including the Commission), RE – Restricted to a group defined by the consortium (including the Commission), CO – Confidential, only for members of the consortium (including the Commission)

Responsible and Editor/Author: Sathya Rao	Organization: Telscom	Contributing WP: WP4
---	---------------------------------	--------------------------------

Authors (organizations): Jordi Palet (Consulintel).

Abstract: Euro6IX project had a public trial during the GIS2003 in Madrid, May 12-14 th . The project successfully demonstrated the network features and number of stable applications. This document reports the objectives of each of the areas covered during this demonstration.

Keywords: Applications, Demonstrations, Event, GIS2003, IPv6, Public Trial.

Revision History

The following table describes the main changes done in the document since its creation.

Revision	Date	Description	Author (Organization)
v0.1	19/06/2003	Document creation	Sathya Rao (Telscom)
v0.2	08/07/2003	Added template and Final review	Jordi Palet (Consulintel)

1. DEMONSTRATION OF THE USAGE OF THE EURO6IX BACKBONE

- Demonstrate to the IPv6 Community/Conference participants how the Euro6IX network is used, managed and connected to the IPv6 world.
- The demonstrations monitor permanently the Euro6IX Backbone and it's usage and show as well the network view from the perspective of different IXs.

These network features will be demonstrated by using network management tool MAGALIA developed in the project.

2. STANDARD IPV6 APPLICATIONS – LIVE

- Demonstrate to the IPv6 Community/Conference participants which IPv6 applications can be used already today.
- Highlights the quality of the Euro6IX backbone.

Some of the applications demonstrated are:

- Video Multicast, access to Digital Home, “afoto”.
- IPv6 Gaming (Quake 1 and Quake 2).
- Audio/Video Streaming (High bandwidth video/audio).
- IPv6 Multicast client connected to the M6bone, receiving a Vic/Rat session from one of the M6bone participants/Euro6IX Exchanges.
- Instant Messaging client, connected to Instant Messaging server at the nGn site.
- 6Voice: Voice over IPv6.

Some of the applications were demonstrated with Mobile IPv6.

3. NETWORK SERVICES WITHIN EURO6IX

- Demonstrate to the IPv6 Community/Conference participants which IPv6 services are deployed/implemented within the Euro6IX network and the connected IX sites.
- Highlights the quality of the Euro6IX backbone and the outcome of the project.

A number of network services were used by Euro6IX partners and the networks connected to the public trial site.

- IPv6 world through a Tunnel Broker.
- IPv4 world from an IPv6 end system through NAT/PT.
- PKIv6 and Smartcard for Accessing IPv6 Network Services /Apps.
- ISABEL VPN PC.
- Mobile IPv6.
- MRTG and other management tools.

4. NETWORK MAP

The figure below shows the extensive network implemented for demonstrations, with connectivity to Euro6IX network and external networks, as well as used for ETSI Plugtests.

