2nd Meeting of the

IPv6 TASK FORCE
Next Generation

Welcome
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Background

IPv6 brought to the attention of the political sphere during the Lisbon Council in 2000.

European Commission took the initiative to launch the TF in response to the recommendations made by the European Council in its Spring 2001 Meeting in Stockholm.

European Commission in the recent Communication on 3G expressed concern that the further development of 3G could be jeopardised in the absence of a clear IPv6 strategy.

Key Motivation

It is of particular **strategic** *importance to move forward on IPv6, because of the early introduction of 3G mobile communications and the integration of these systems with Internet access, and because of the competition, privacy and affordability benefits that can be realised.*

IPv6 Task Force Objectives

To deliver by end of 2001, a report with recommendations on the actions to be taken in the context of IPv6 (IPv6 Action Plan)

The Action Plan would be submitted to the Spring Council (15-16 March 2002) to take place in Barcelona,

For the Action Plan to be meaningful

- *It is imperative that the Task Force participants clearly demonstrate their active commitment towards IPv6.*

- *The Task Force must be developed into an instrument aiming at the rapid and efficient transition to IPv6 and a catalyst for IPv6 deployment acceleration.*

- *The Task Force is and must continue to be an industry led exercise.*
  - The EC has no intention to replace itself for industry - we do not manufacture routers, we do not produce standards, we do not run networks.

- *The EC intervention is limited to funding of R&D and the preparation of the regulatory framework.*

Actions taken by the EC since the 1st Meeting of the Task Force

- *Tremendous press campaign leading to an increased awareness of IPv6*
  - Major IPv6 announcements by key industrial players, European Parliament, V. Cerf visit, discussions with Central and European countries, clear interest from Japan
- *Commission Communication on Network Security*
- *Organisation of a stream of sessions on mobile communications with particular emphasis on IPv6, in the context of the Euro-China Co-operation Forum 16-20 April 2002*
- *Organisation of an IPv6 stream in the IST Annual Conference - Dusseldorf - 3-5 December 2001*

Actions taken by the EC since the 1st Meeting of the Task Force

- *Concertation meetings (IPv6 cluster of on-going projects)*

- *Additional wave of IPv6 related R&D projects submitted in the Commission Calls for Proposals (Trial related)*

- *Drafting of a Specific Call for proposals for Pan-European trials of innovative services and applications using 2.5G-3G networks*

- *WP 2002 in preparation highlights IPv6*

Terms of Reference *Infrastructure*

- *Operators and service providers, to consider on a priority basis how best to evolve towards IPv6 and to take early steps to obtain adequate IPv6 address allocations, while ensuring the users rights are safeguarded;*

- *Service providers (providing access through, telephony links, xDSL, Cable, fixed wireless to Internet services) to offer IPv6 capable services, by end 2003,*

- *Telecommunications operators to complete conversion of all "legacy" systems to IPv6 capability by end 2005;*

- *Conversion to IPv6 of Europe's Research and Education Networks (comprising the National Research and Education Networks and the European backbone GEANT), by 2003-2004 .*

Terms of Reference *Mobile Wireless*

- ***With a view to implement IP Multimedia under Release 5 in 2003, industry will be requested to submit contributions to 3GPP to accelerate the pace of development of specifications work on IPv6 for 3G mobile communication systems (UMTS);***

- ***3G operators to establish mechanisms for exchanging information on the use of IPv6 with a view to develop guidelines and best practises on the transition to IPv6;***

Terms of Reference *Next Generation Applications*

- *Introduction of IPv6-based systems in cars, aircraft and freight-transport vehicles and infrastructures by end 2004;*

- *IPv6 connectivity in all new consumer-electronic devices by 2005;*

- *Enabling IPv6-based m-commerce by 2005;*

Terms of Reference *Trials Framework*

- *Increase and re-focus of the EU support to RTD and Trans-European Networks to accelerate and facilitate the coherent transition to IPv6 in the period from 2002-2004.*

- *Strengthening of IPv6 R&D activities within the IST Programme (and proposal of measures for FP6) notably on those aspects relating to inter-working and interoperability between systems and networks, to the development of innovative IPv6 based services and applications, and to middle-ware and management tools, by end 2001.*

Next Meeting of the TF

- *Will take place in Barcelona on the 13th September 2002 and will be hosted by UPC.*

- *It follows the Mobile Communications Summit also organised in Barcelona from 9 to 12th September 2002.*

http://www.mobilesummit2001.org/

In conclusion ...

The European Commission wishes to thank you for the efforts that have been made so far.

The European Commission welcomes the new members of the Task Force

The ambition is for the Task Force to deliver its conclusions by end of 2001 in time for concrete actions to be taken by the Spring European Council of 2002

While the effort may appear to be European driven, the European Commission seeks to internationalise its impact