A solid technical background

- Strong R&D activities
- G6 association
- R&D national programs (RNRT)
- AFNIC : native DNSv6; host secondary DNDv6
- ARISTOTE association
- 6WIND creation on September 2000
- Operational deployment on RENATER
- Conformance/Interop tests (ETSI, IRISA…)
But we need something else!

- **We need to speak real deployment**
  - System oriented problems
  - Added value
  - Procedures
  - Breaks
  - How to proceed
  - For what
  - .....
Objectives and organization of the TFF
IP version 6 (IPv6) has to replace the existing version 4 to fulfil the following needs:

- Address capacity
- Deployment of new applications and new services
- Simplification of the network architectures
- Security and reliability of the global Internet
- Simplification of the use of the networks (Internet of commodity)
The wish to work on the deployment

- The question is not to know if we can run IPv4!
- We know the unique solution to deploy networks, systems, services with a quasi unlimited number of « devices » is to move to IPv6.
What the Task Force is not

- A technical group
- *The group of IPv6 experts is in France the G6*
- *G6 is member of the TFF*
- *Technical pbs identify by the TFF will be addressed to G6*
Who can join Task Force?

- An open group
- Clear commitment from the members
- A one year evolution
Our objectives

- Identify the industry and service sectors where IPv6 is going to be vector of development
  Industry, transports, health, education, game…
- Work on a roadmap
- Identify the existing breaks
- Propose actions and recommendations
- Organize events, provide publications…
- Facilitate deployments
Method of work (1)

• **Share our knowledge**
  ✓ State of the art
  ✓ Vision of the future of the system

• **Agenda 2002-2009**
  ✓ quasi certain
  ✓ probable
  ✓ possible
What is important to identify

- The new applications

- R&D platforms
- Prototypes Trials
- Migration to IPv6
- Commercial offer
Method of work (2)

- **We start from a presentation**
  - Experience of deployment, telecom system, application, study…
- **We identify the + and -**
  - How ?
  - What is needed ?
  - Relationship with other systems ?
- **We summarize in term of recommendations**
Main topics

1: ISP & Telcos architectures & services
2: Enterprise networks
3: Networks in the Home
4: IP in public services
5: Mobile applications
6: Security
7: Impact on Society, acceptability
Activities

- One meeting every 6 weeks
- 2 main subjects per meeting
- One secretary
  - Minutes
- Mailing list and web
  - Minutes
  - Presentations
  - List of participants
Future activities

- Set up working groups
- Links with other organizations
- Participations to Internet events
  - Autran, Internet fiesta, N+I…
- Show cases during events
- Push deployment projects
- Promotion actions
Synthesis of the first meetings
Kick-off Dinner

- On the 25th of September 2002 at « le Sénat » (French parliament)
- Sous le haut patronage de Réné Trégouët, Sénateur du Rhône et Président du Groupe de Prospective du Sénat,
1st meeting

- On the 28th of October 2002 at ENSAM Paris
- *Presentation of the objectives of the TFF (Patrick Cocquet).*
- *Presentation of the IPv6 deployment on Renater3 (Bernard Tuy from Rénater).*
- *Presentation of telematic applications for the cars (Gérard Ségarra from Renault).*
2nd meeting

- Presentation of the studies lead per IDATE for the French ministry of Industry and the telecom regulation authority (Roland Montagne)
  - les enjeux du déploiement du protocole IPv6,
  - la migration vers IPv6.
- Presentation of the addressing problems in a GPRS network (Lionel Hoffmann from BOUYGUES TELECOM).
Autran 2003

- 2,5 days in the Alps
- VIP, researchers, engineers, teachers...
- A talk with Claudie Haigneré, minister of research & new technologies
  - The ministry will help in 2003 the new IPv6 Task Force
- TFF working session
  - New telecom actors, projects in Africa...
  - Naming & addressing
2003 Agenda

- **February**: health applications
- **March**: Internet fiesta – Home networks - WiFi
- **April**: ISPs & Web hosting
- **June**: IPv6 Show
- **September**: 
- **October**: 
  - N+I Paris, IPv6 Show + conferences
  - November:
  - December:
Main conclusions

1/ TFF has to be a medium/long term action
2/ Need of information (addressing pb, new models, new applications)
3/ Need of actions from public authorities (Nbr of actors, size of the systems…)
4/ Need to be positive. We know how to build IPv6 systems, we will know how to solve pbs
5/ Importance of the exchange of ideas/experiences to build effective project
6/ Need to target the web hosting sites. Need to start by the servers before deploying clients
Main conclusions

- 6/Internet rules may be complex or not adapted for new actors (mobile, local providers...)
- 8/Mobile applications clearly need IPv6. We can concentrate efforts on these applications (ex car)
- 9/all applications with very large deployment have to be designed with IPv6
- 10/we have to take advantage of the GPRS deployment to show the interest of moving to IPv6. GPRS networks can move to IPv6!
- 11/ Localisation, personal services vs privacy. Need to have a clear contract between the user and the provider.