

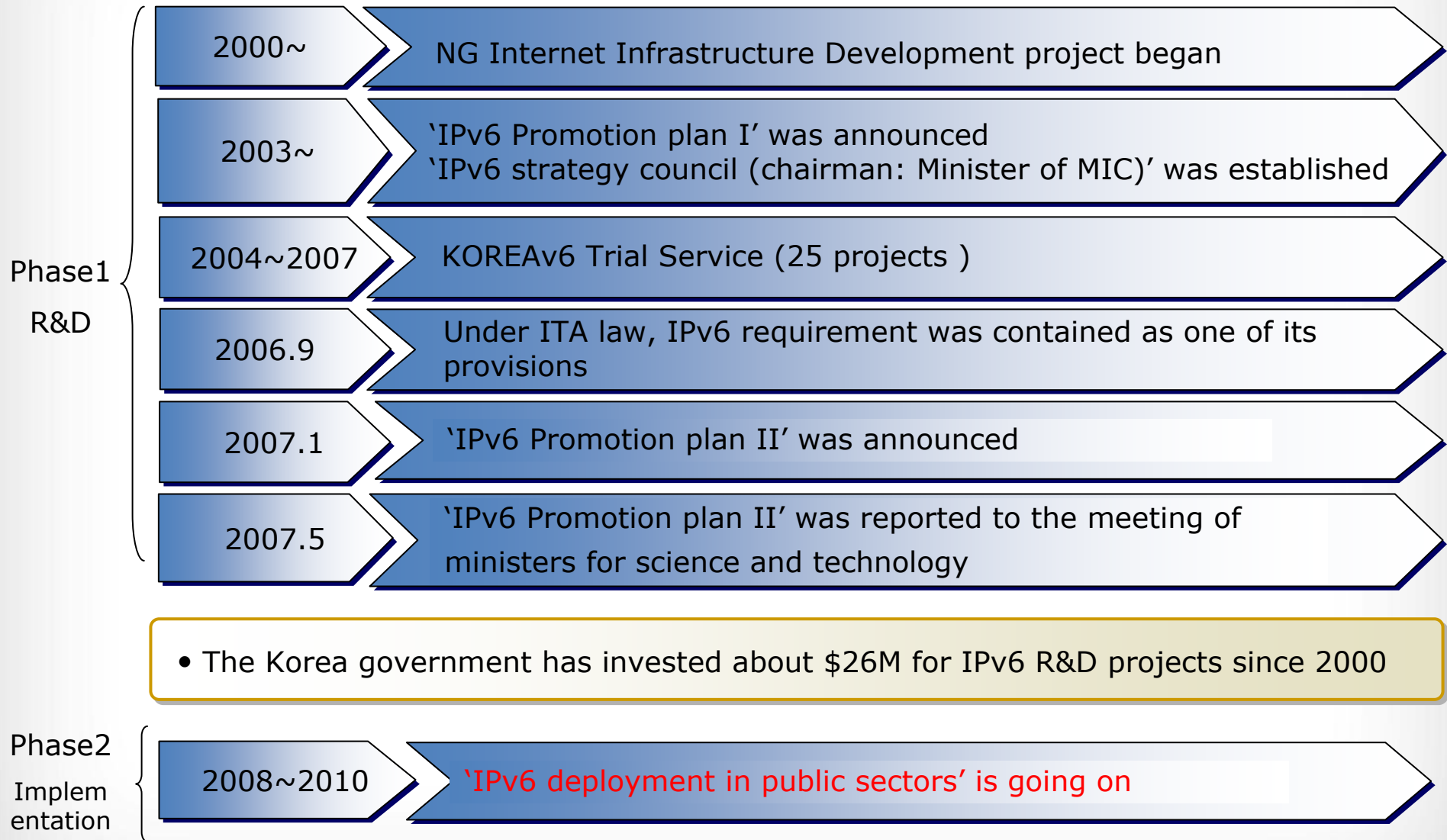


The Status of the Deployment of IPv6 in KOREA



2008. 5. 22. Joobum, Kim

A History of IPv6 in KOREA



Pilot Projects '07

❑ IPv6 Public security trial service

- **Crime report service** based on IPv6
- **Video surveillance system** using IPv6 cameras with face recognition systems
- **VoIPv6** for police administration



❑ IPv6 u-blue city trial service

- **Prevention of disaster** using IPv6 cameras and sensors
- **Monitoring forest fires** and abnormal **weather**



❑ IPv6 **UCC portal** service

- Providing video contents by IPv6
- 40,000 users

❑ **VoIPv6** service for local governments

- Daegu city hall

❑ IPv6 u-city service for rural area

- **Water quality** monitoring
- **Travel information**

- ❑ For **public sectors** (Central and local governments)
 - NIDA will provide network equipments (routers, firewalls, etc) to 10 ~ 20 government agencies
 - Influence and importance of public service that was provided by each agency will be major factors to make decisions for fund support
 - Each agency which wants to apply IPv6 must have plans for application implementation

- ❑ For **research sectors** (Deployment of IPv6 Cluster in DAEDEOK INNOPOLIS)
 - KISTI will provide network equipments to about 10 institutes
 - KISTI will help IPv6 migration of research institutes (design, consulting etc.)

For Research sectors

- ❑ IPv6 conversion and spread for research institutes and universities in DAEDEOK INNOPOLIS
- ❑ DAEDEOK INNOPOLIS is specialized in R&D
- ❑ Until 2010, IPv6 deployment and revitalization

Selection of target Institutes (research centers or Universities)

Support IPv6 equipments (Router, F/W) and construct IPv6 networks

Technical supporting and consulting

Results of Interview

- Many institutes are considering IPv6 migration
- However, they don't know how to construct and manage IPv6 networks, because they have no experience of IPv6
- And they are worrying about **security of IPv6 networks** and performance of dual stack equipments
- Fortunately, **if security and performance are guaranteed**, IPv6 migration can be easily done