



KOREA INTERNET  
EXCHANGE

2004. 09

*National Computerization Agency*  
*Korea*

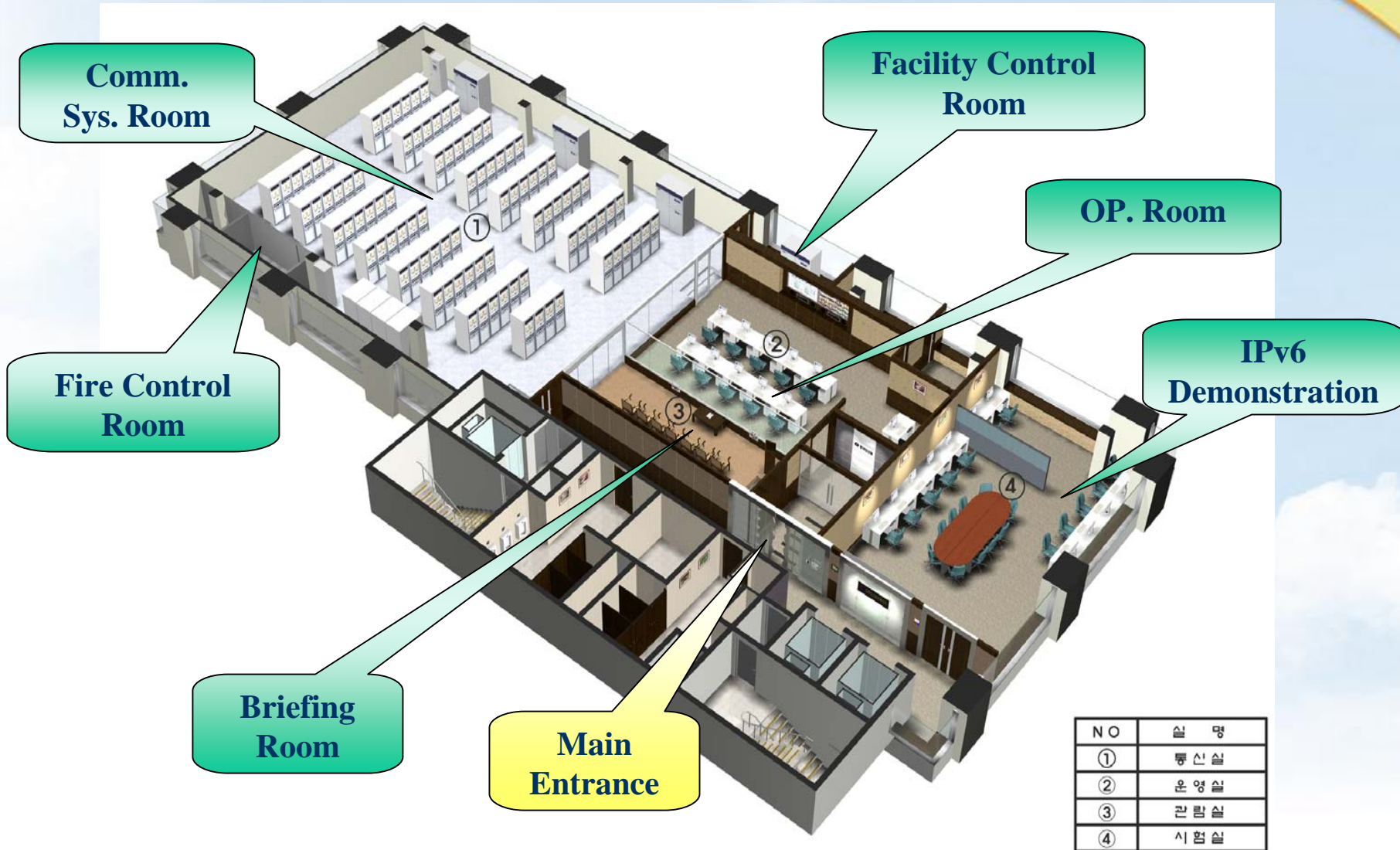
# Agenda



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- **KIX Overview & Facilities**
- **KIX Network & Operation**
- **Future Plan**

# KIX Overview & Facilities



# KIX Overview & Facilities

**Secure Cabinet**



**Access Floor**



**Noise Meter**



**Water Leak Meter**



**Power Dist. Sys.**



**UPS**



**CCTV Monitor**



**Bio Meter Sys.**



# KIX Network & Operation

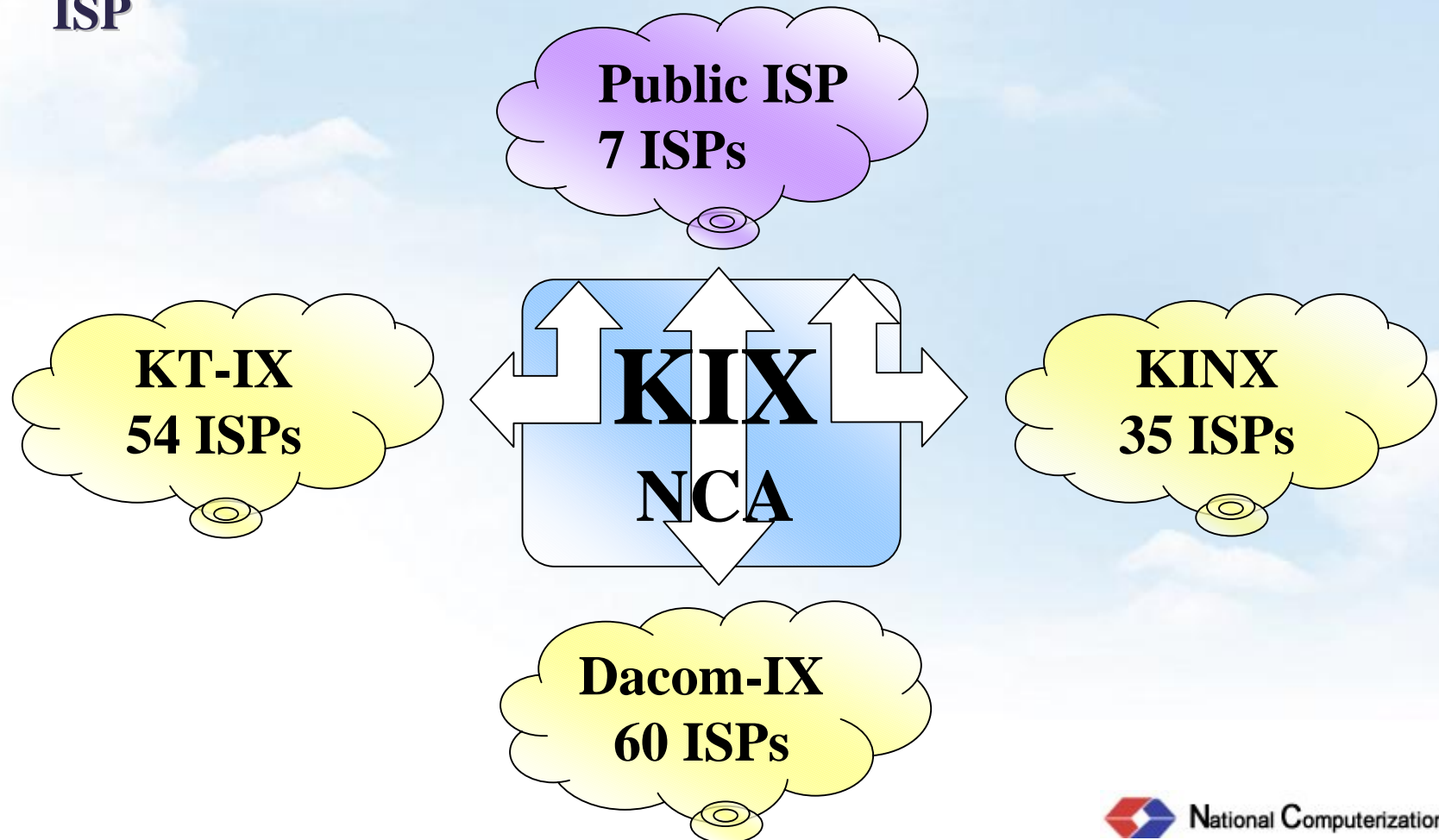


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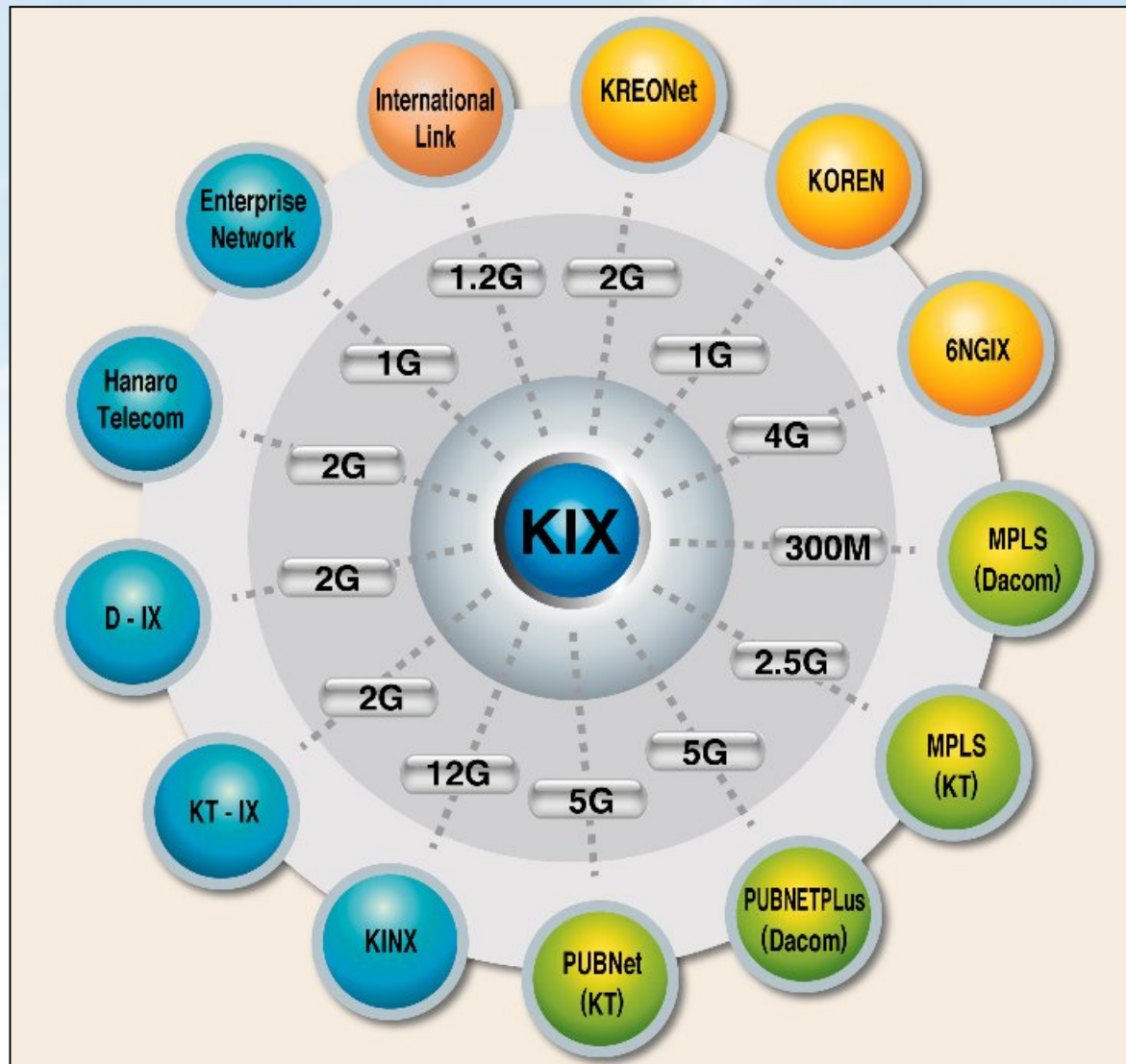
- **The first Internet eXchange in Korea(1995)**
- **Built & Operated by NCA**
- **Interconnected with non-commercial Internet networks and Provide non-commercial Internet networks to transit service**
  - **Non-commercial Internet**
    - High Speed Government Network(PUBNet, PUBNet-Plus)
    - High Performance Computer Network(KREONET)
    - Korea Research and Experimental Network(KOREN)
    - IPv6 Based Internet Access Network(6KANET)
  - **IXes**
    - KT-IX, Dacom-IX, KINX, 6NGIX
  - **Commercial Internet**
    - KT, Dacom, Hanaro, Thrunet, GNG Networks...
  - **Oversea Internet**

# KIX Network & Operation

- KIX is for traffic exchange between Public ISP and Commercial ISP

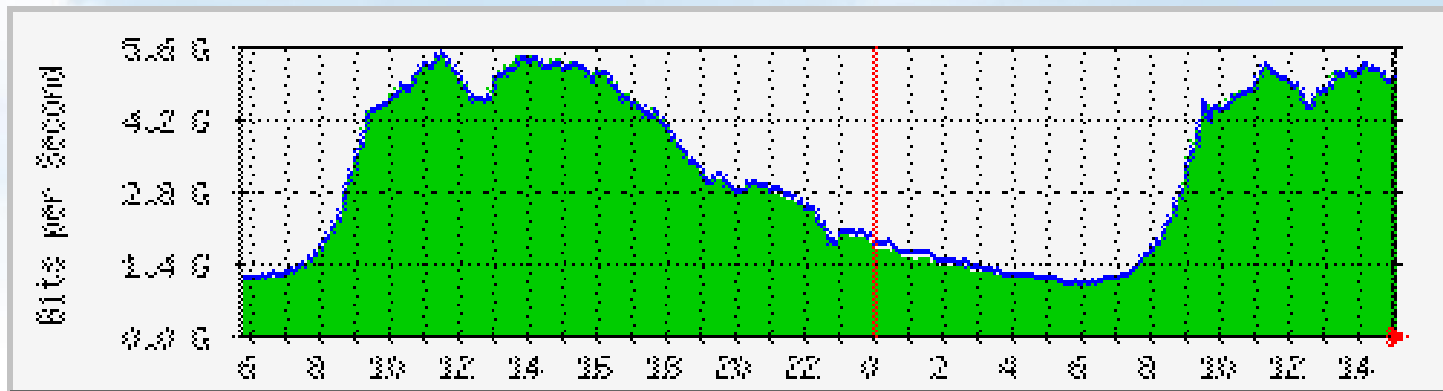


# KIX Network & Operation

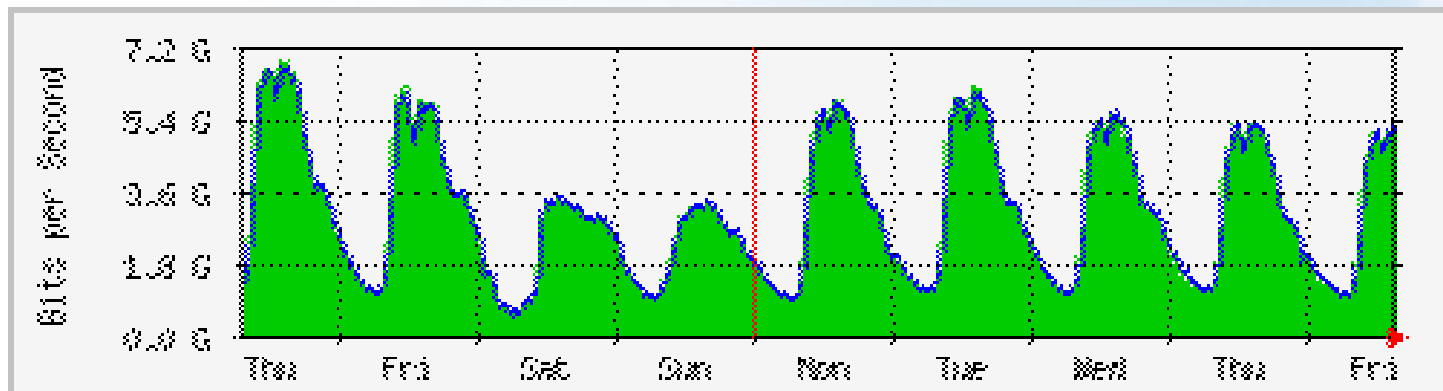


# KIX Network & Operation

## ● Daily Traffic : Peak Traffic 6Gbps



## ● Weekly Traffic



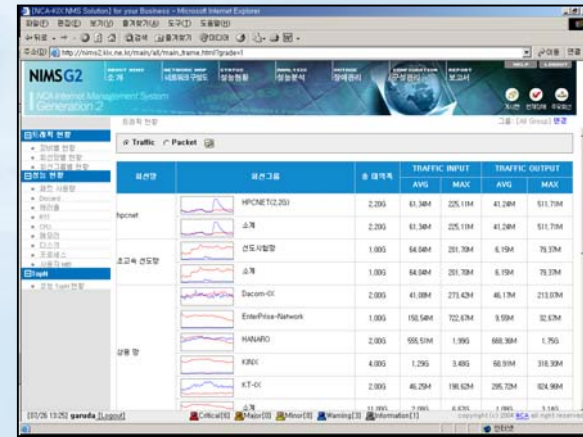


# KIX Network & Operation

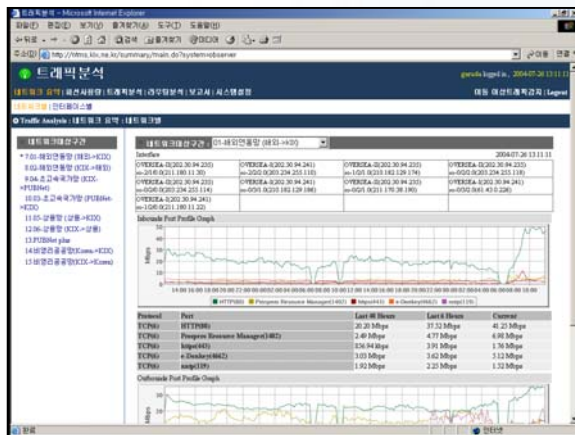
- 24 x 7 x 365 Stable Operation & Management
- <http://www.kix.net.kr>



● Looking Glass



● Network Monitoring



● Traffic Analysis



● Intrusion Detection Monitoring

# Future Plan

- **Enlarge Link BandWidth**
  - **KINX Connectivity(12Gbps => 20Gbps)**
  - **KII Link(10Gbps => 30Gbps)**
- **Realign Relevant Regulation**
  - **Rule of Inter-working, Qualification of IX**
- **International Cooperation to build A/P. region ISP**



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# Thank you

