

# Nokia at 3GSM World Congress

Towards openness in All-IP mobility networks :  
**Dr. JT Bergqvist**, Senior Vice President Nokia Networks

Nokia Press Conference  
Cannes  
February 20. 2002

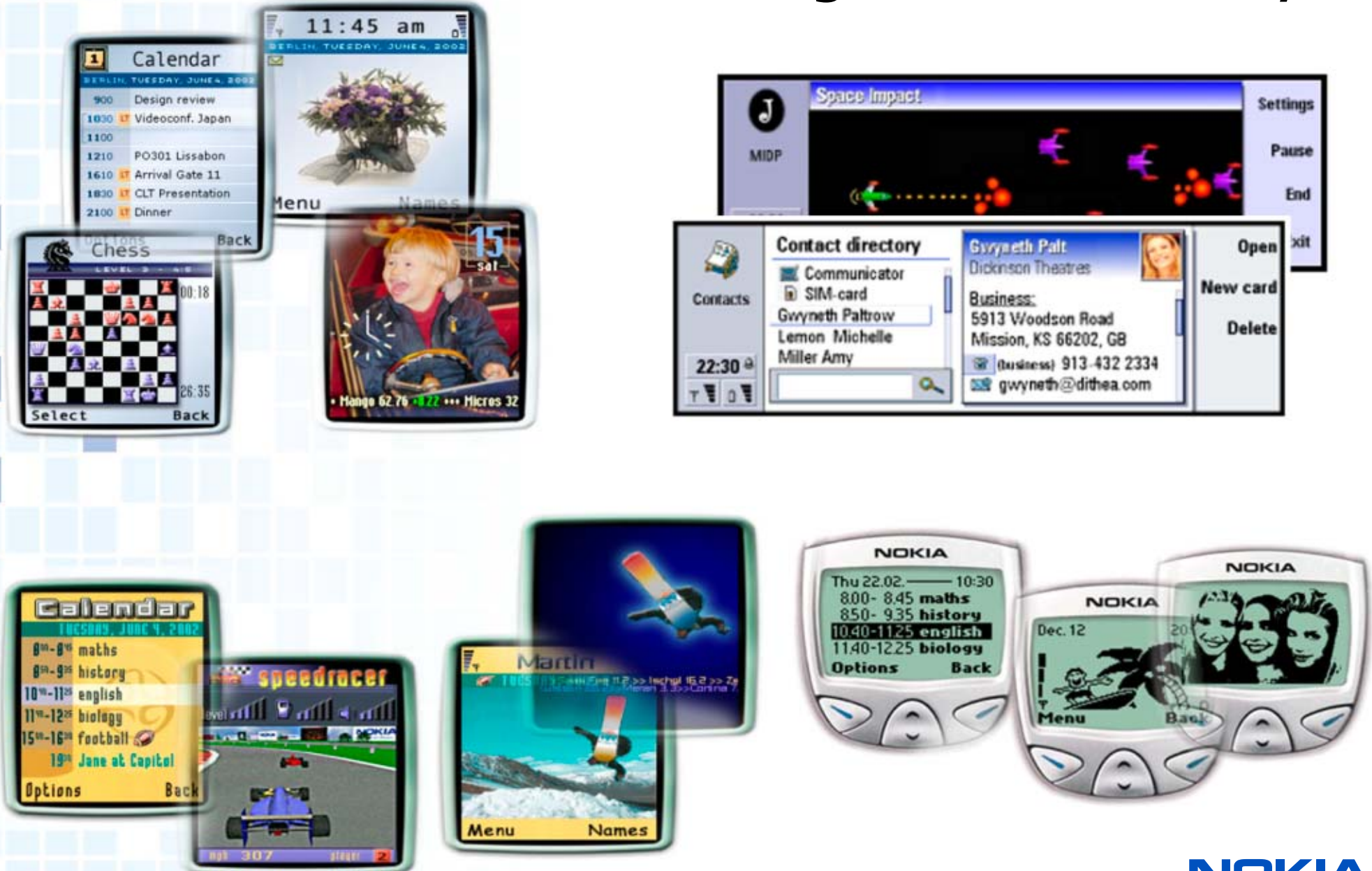


# The themes

- What will be needed when mobility networks data loads grow
- Nokia drives openness in mobility networks
- Implementing the openness strategy
- Corporate connectivity

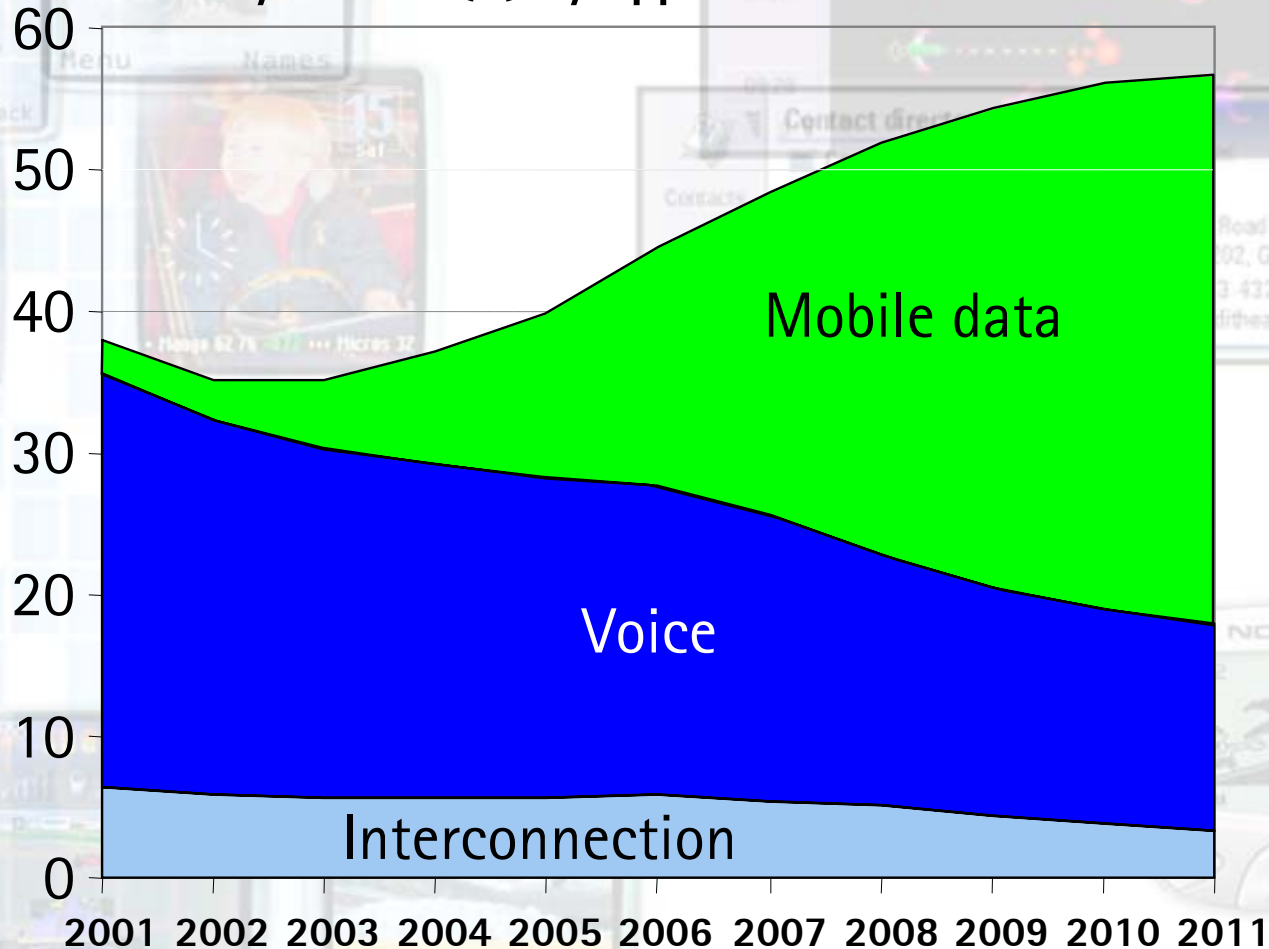


# Real value for users starting to show already



# Mobile operator revenues set to grow radically

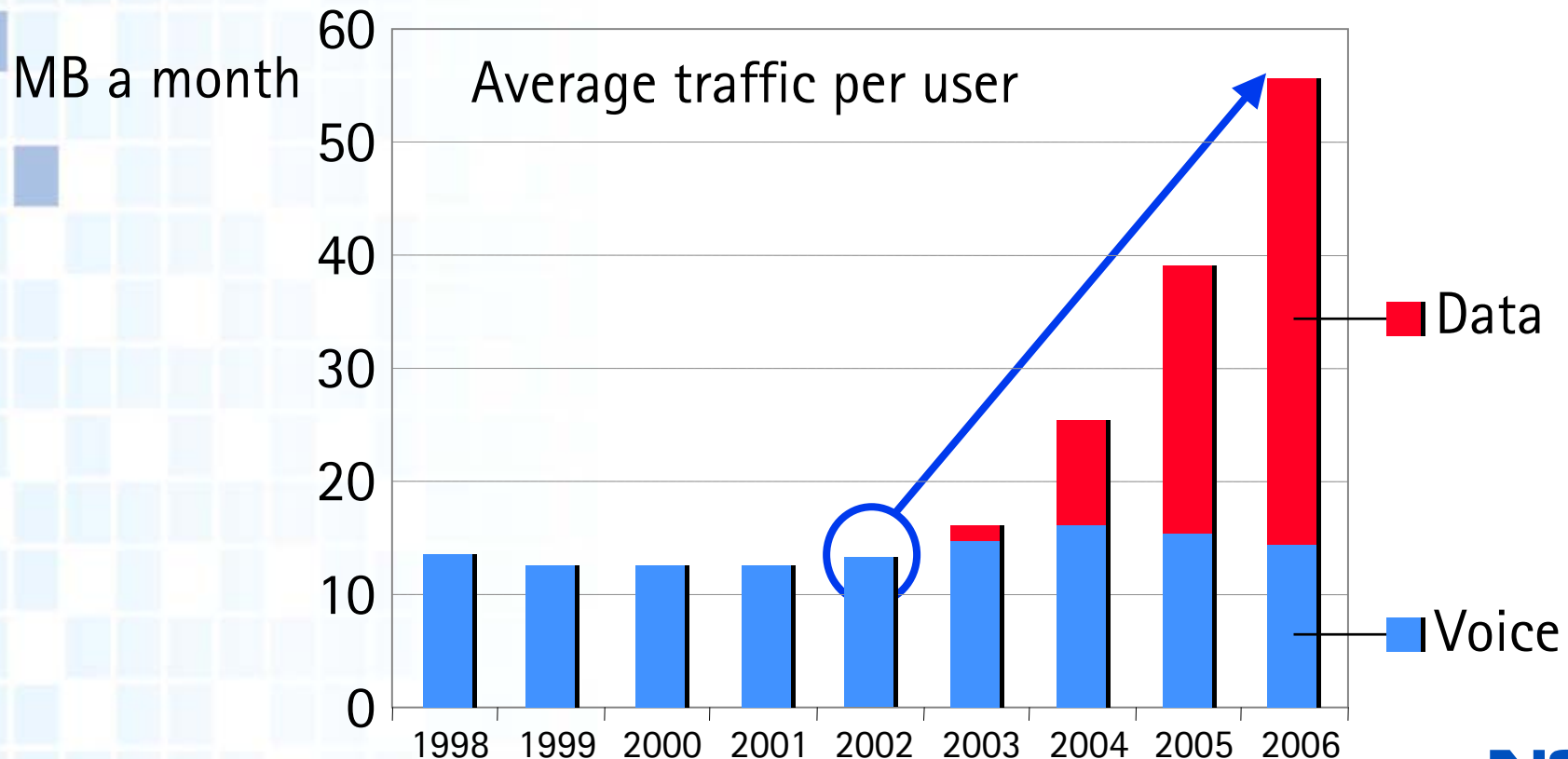
Monthly ARPU\*) (€) by application



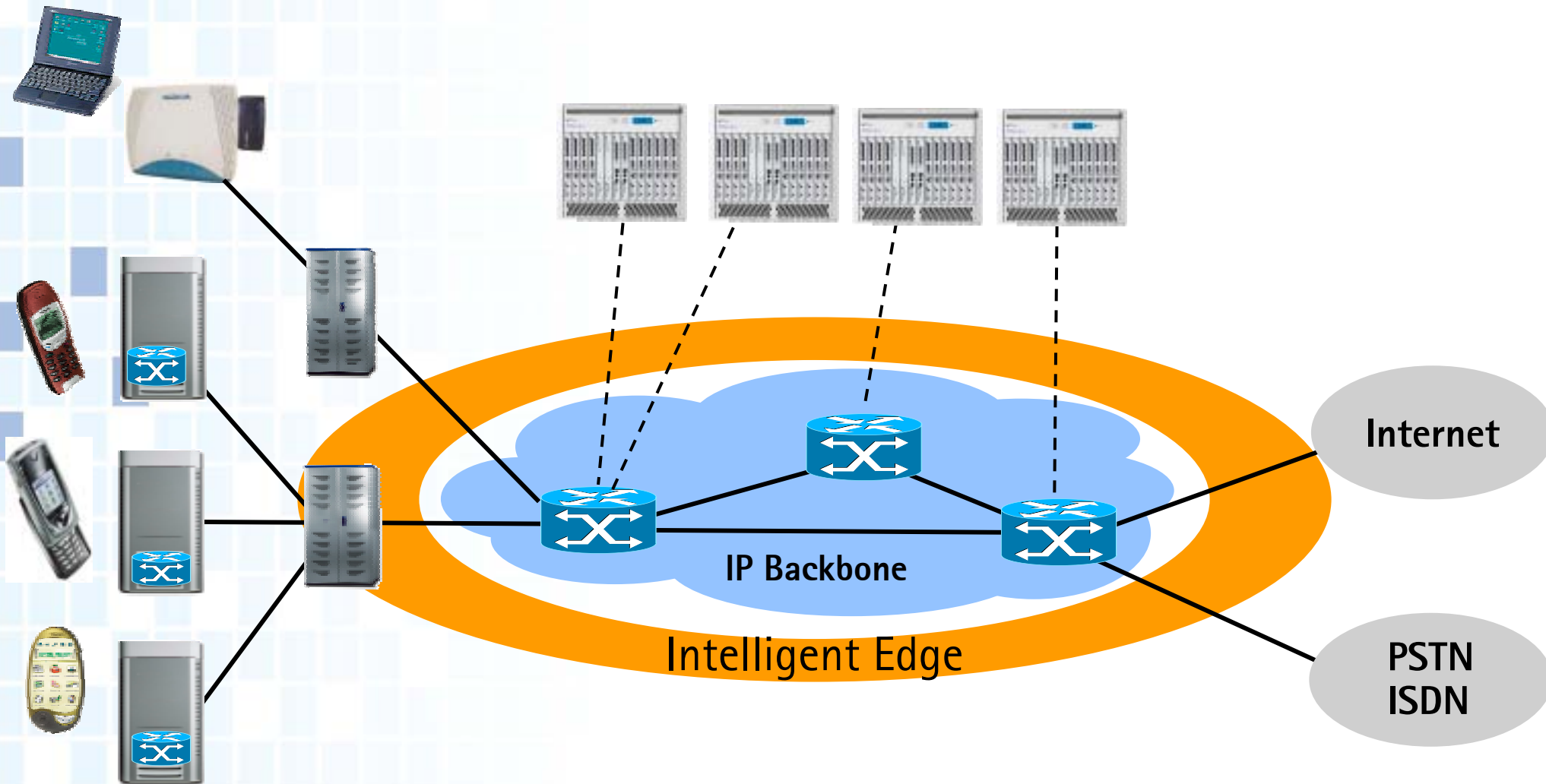
\*) Average revenue per user

# To enable new operator revenues, significantly more data per user has to be delivered

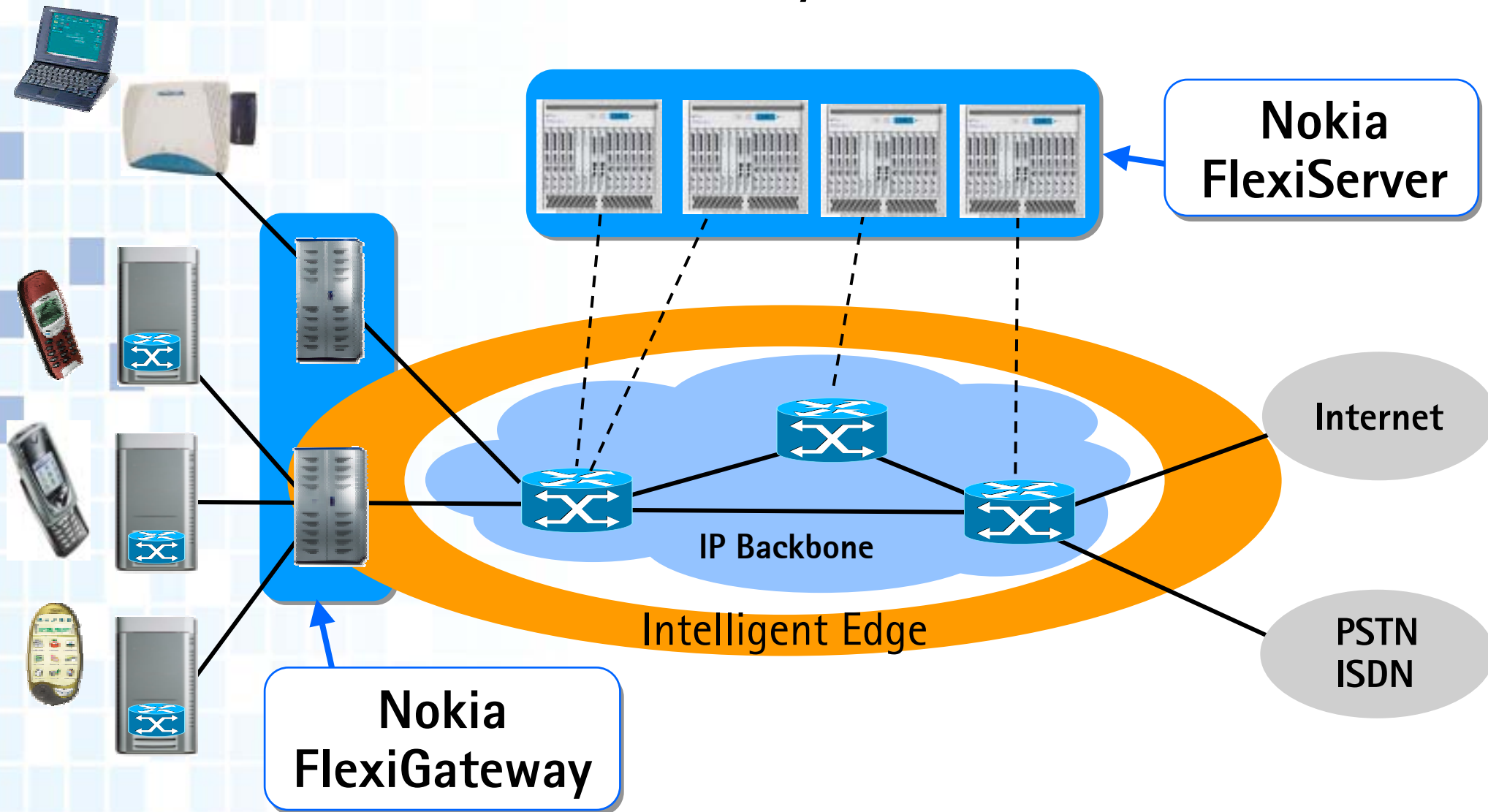
- This calls for new cost-efficiency in infrastructure solutions
- All IP Mobility Network technology makes it possible



# All-IP Mobility Network



**Launched today:**  
**FlexiFamily of future technology platforms**  
**For All-IP mobility networks**

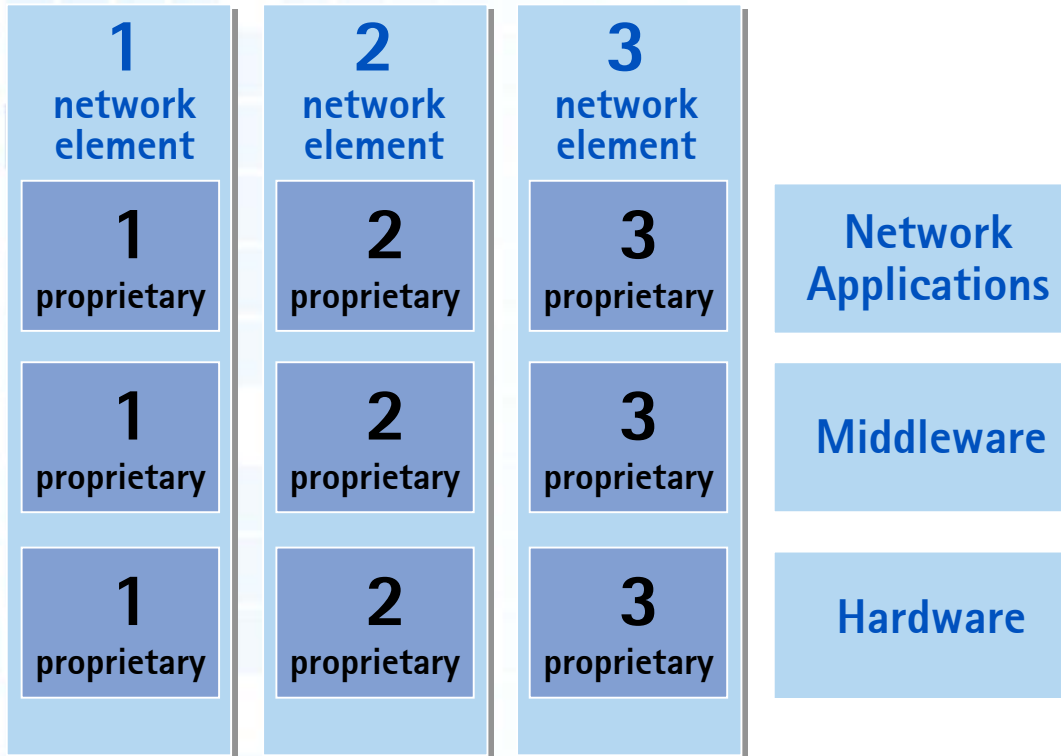


# Openness in All-IP Mobility Network elements

- drive for faster development and lower costs

## Current situation

### Vendors

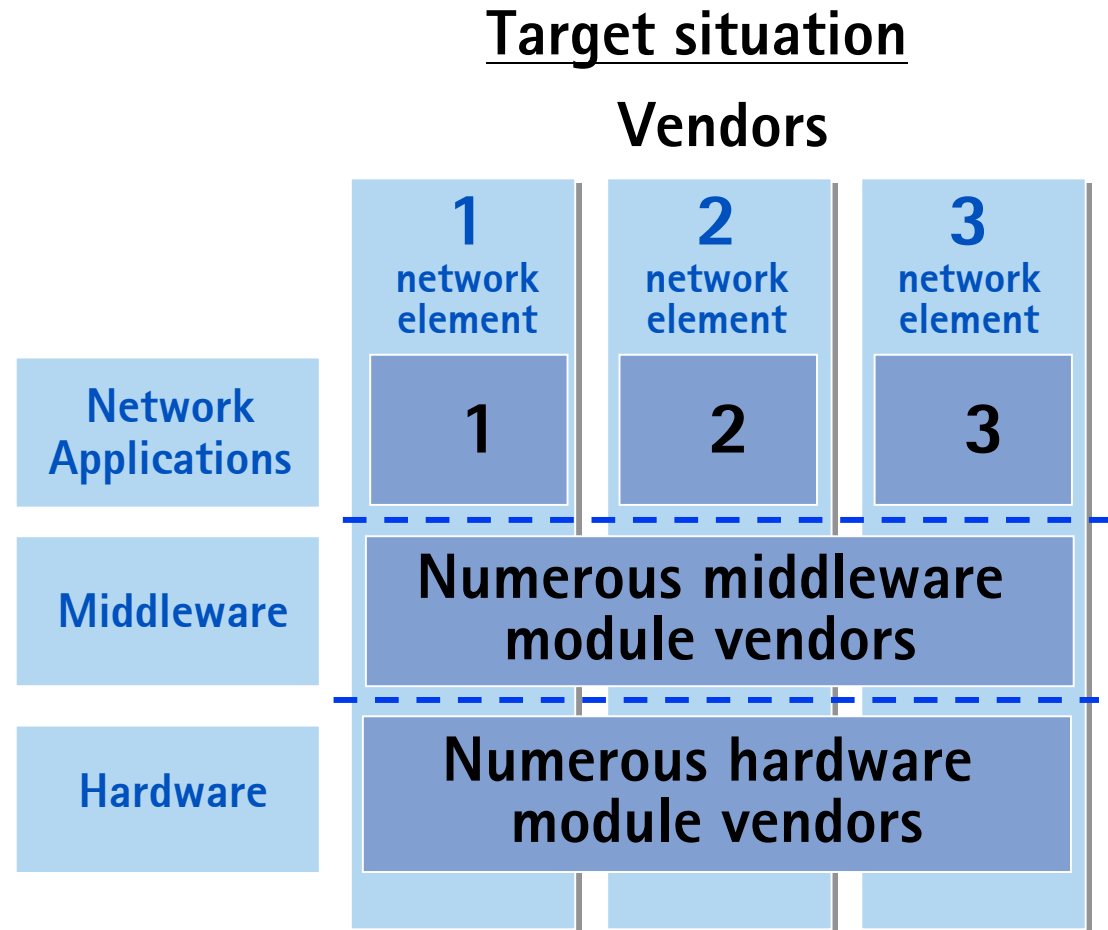


- Current vertical network implementations do not favour cost-efficient mass delivery of future services

# Openness in All-IP Mobility Network elements

- drive for faster development and lower costs

- Open interfaces within the network elements
- Nokia to share technology modules with other vendors



# Nokia Networks launches Technology Modules Unit

## Mission:

- Drive open interfaces *within* All-IP Mobility Network elements thus complementing 3GPP and IETF standardization
- Bring Nokia's technology modules available for other communications networking vendors to buy



# Nokia Networks Technology Modules Unit as driver for open standards

## Launched today:

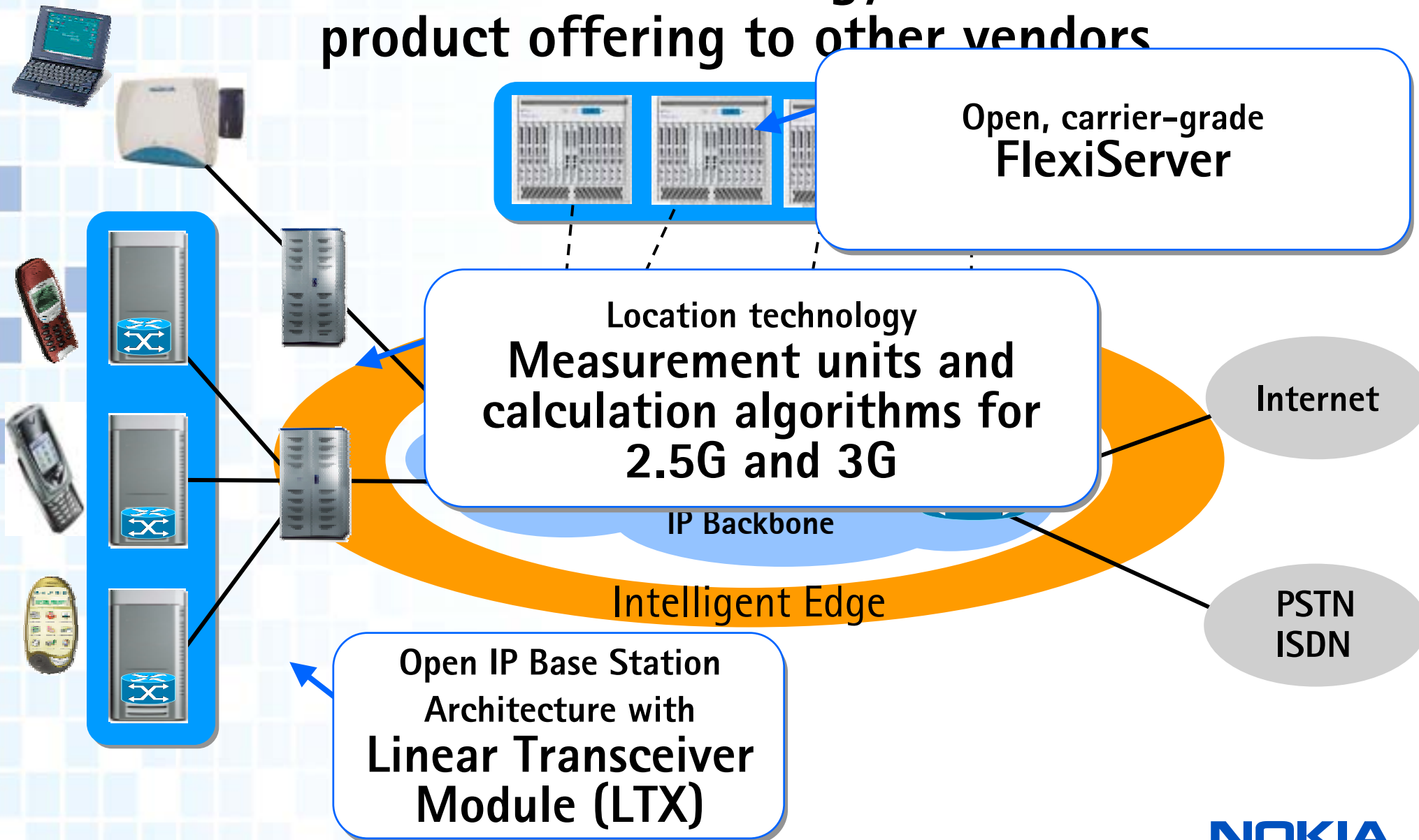
- Open IP Base Station Architecture Initiative Proposal
- Broadband Wireless Access joint standardization effort by Nokia and Siemens



# Nokia Networks Technology Modules Unit's product offering to other vendors



# Nokia Networks Technology Modules Unit's product offering to other vendors



# Summary

- Open All-IP Mobility Network architecture means faster development and lower costs
- Nokia Networks Technology Modules unit set up to drive openness and offer carrier-grade All-IP Mobility Network technologies to other vendors
- Unit's initial technology offering consists of open, carrier-grade FlexiServer, base station LTX and location measurement unit



# The themes

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# Corporate connectivity



# Corporate connectivity – benefits all

## Corporate benefits:

- Increase productivity through constant access to corporate data

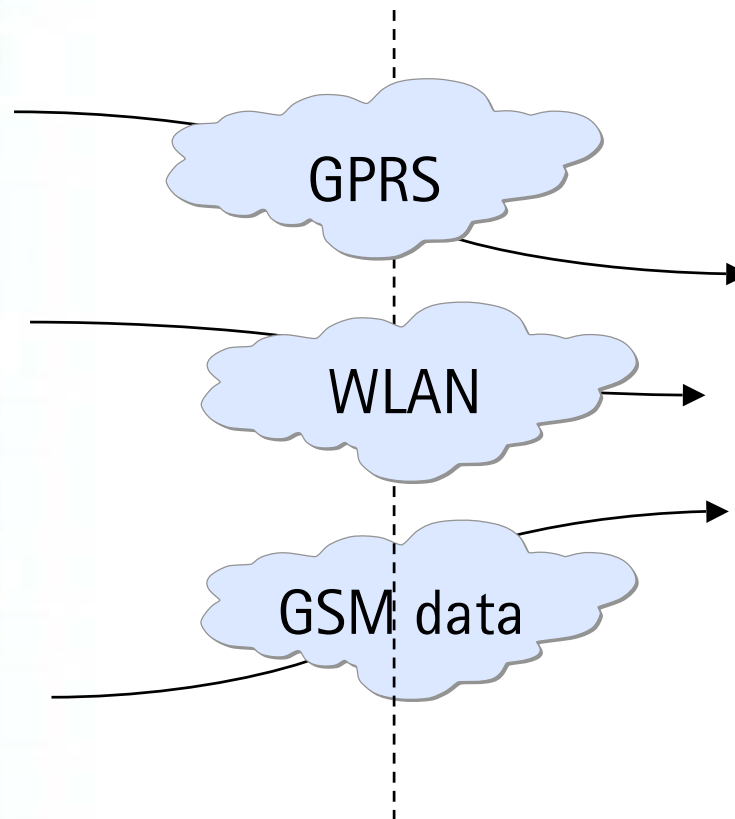
## Mobile operator benefits:

- New revenue streams by connecting mobile work force to corporate through either WLAN or cellular connection

## User benefits:

- Convenience through independence of place in organizing work & private life

# Corporate connectivity – the total solution



corporate



SIM authentication  
End-to-end security

# Nokia launches today: Nokia D211 – For seamless PC connectivity

- Nokia first to combine GPRS, HSCSD and WLAN in one single terminal
- For Global Corporate Connectivity
  - **GPRS**, always on connection, up to 40.2 kbit/s
  - **HSCSD**, guaranteed dial-up connection, up to 43.2 kbit/s
- For Local Corporate Connectivity
  - Up to 11Mbit/s
  - **Operator WLAN**: SIM authentication, VPN, single subscription and bill



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