



Future Development of PHS

- A Kyocera's approach to wireless broadband data communication –

15th Bi-annual PHS MoU Group Meeting
On January 15, 2003

Kyocera Corporation

i-BURST System Basic Concept

1. High Speed Wireless Internet System
2. Freedom to move
3. Always on
4. IP based infrastructure, less investment



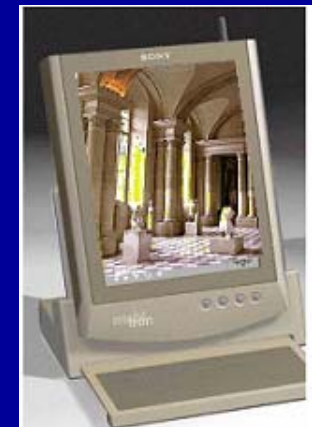
IP network

Always on

High Speed

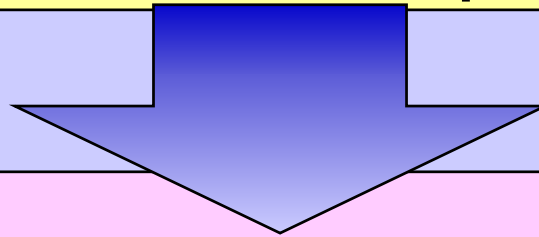


Max. 1Mbps
Downlink



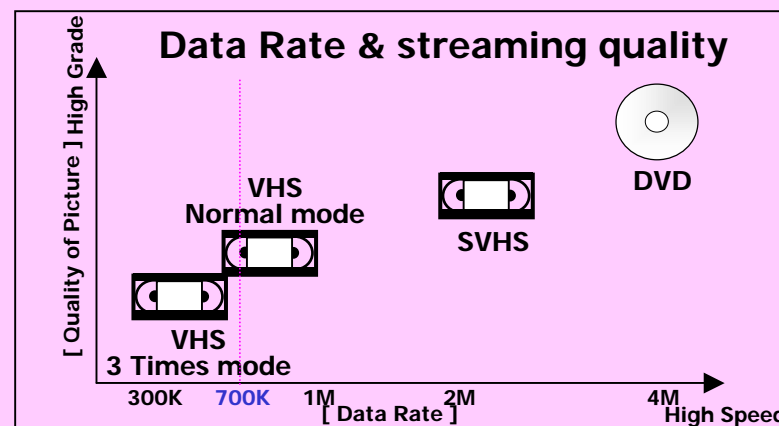
1. High Speed Wireless Internet System

Down Link	Max.	1061 kbps
	Effective	More than 850 kbps in 90% of coverage area
Up Link	Max.	346 kbps
	Effective	More than 250 kbps in 90% of coverage area



Broadband internet access

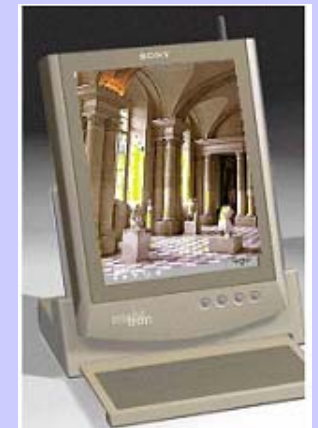
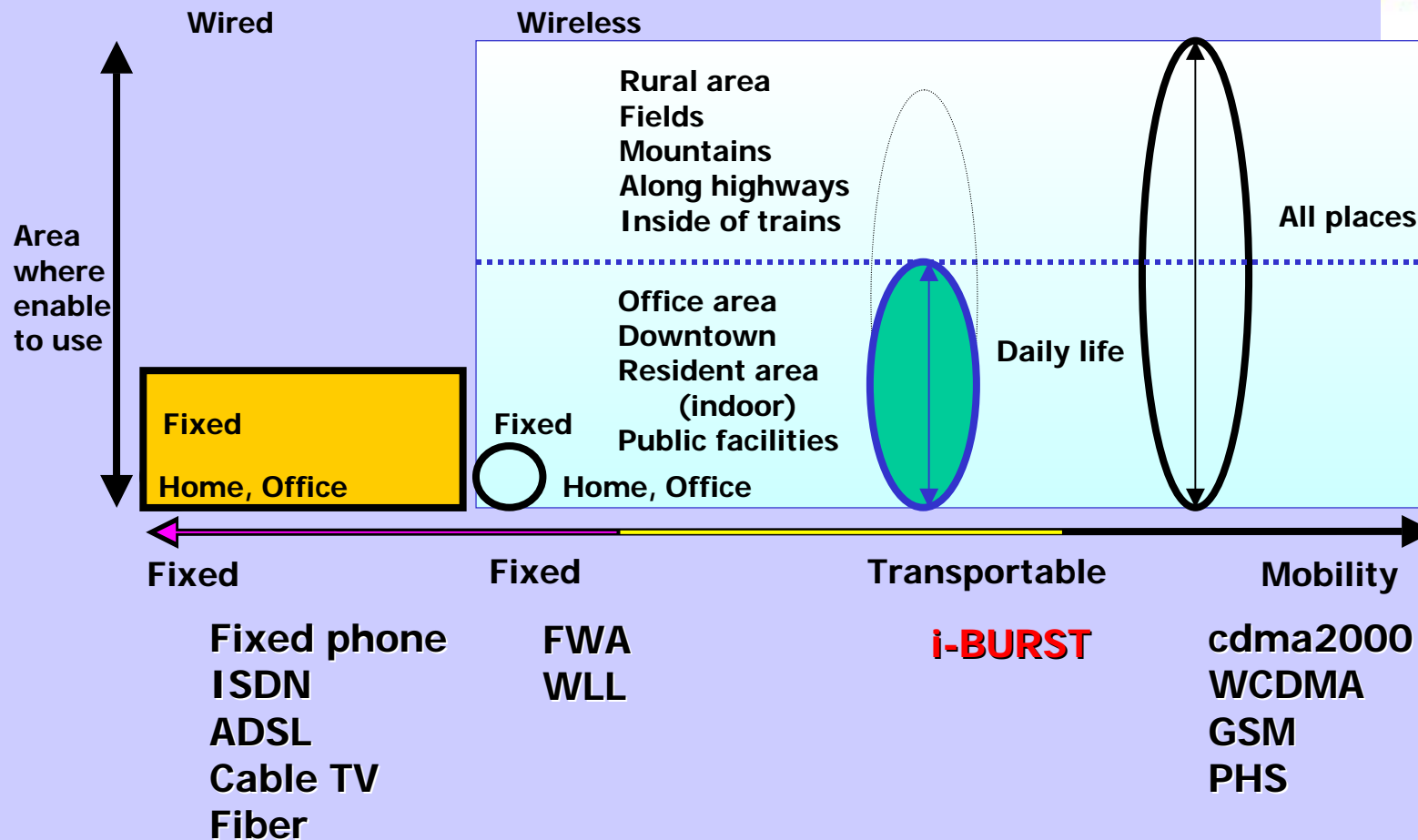
- Normal VHS quality video streaming with MPEG4 data
- Immediate down load for big amount of data (ex. 3D virtual data, heavy load HP)
- New internet availability by the new possible contents using high data rate.



2. Freedom to Move

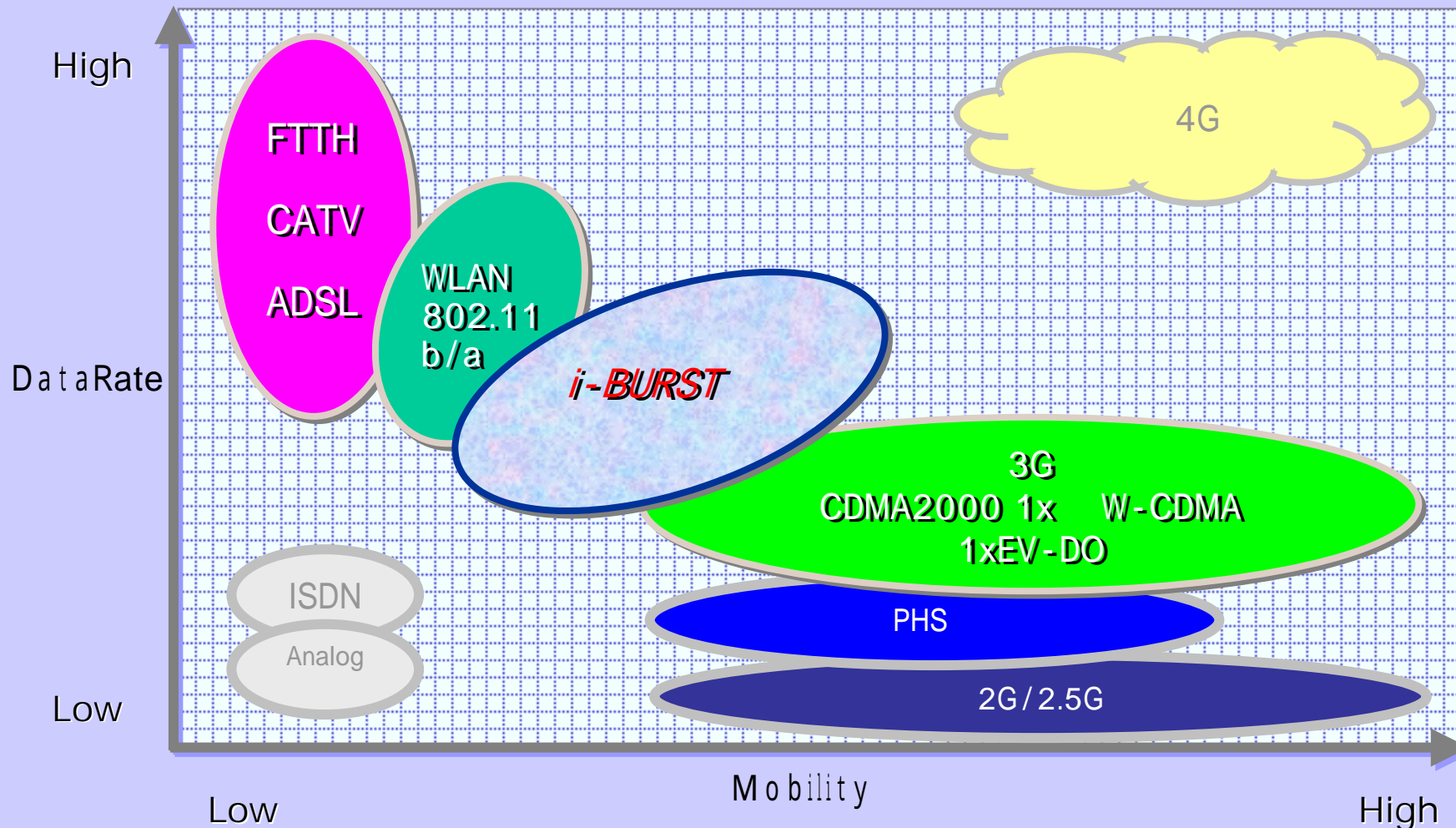
● Transportable Wireless ADSL

- Able to use in any area of daily life (anywhere, anytime)



Current Wireless Communication

[Data rate and Mobility in each infrastructure]

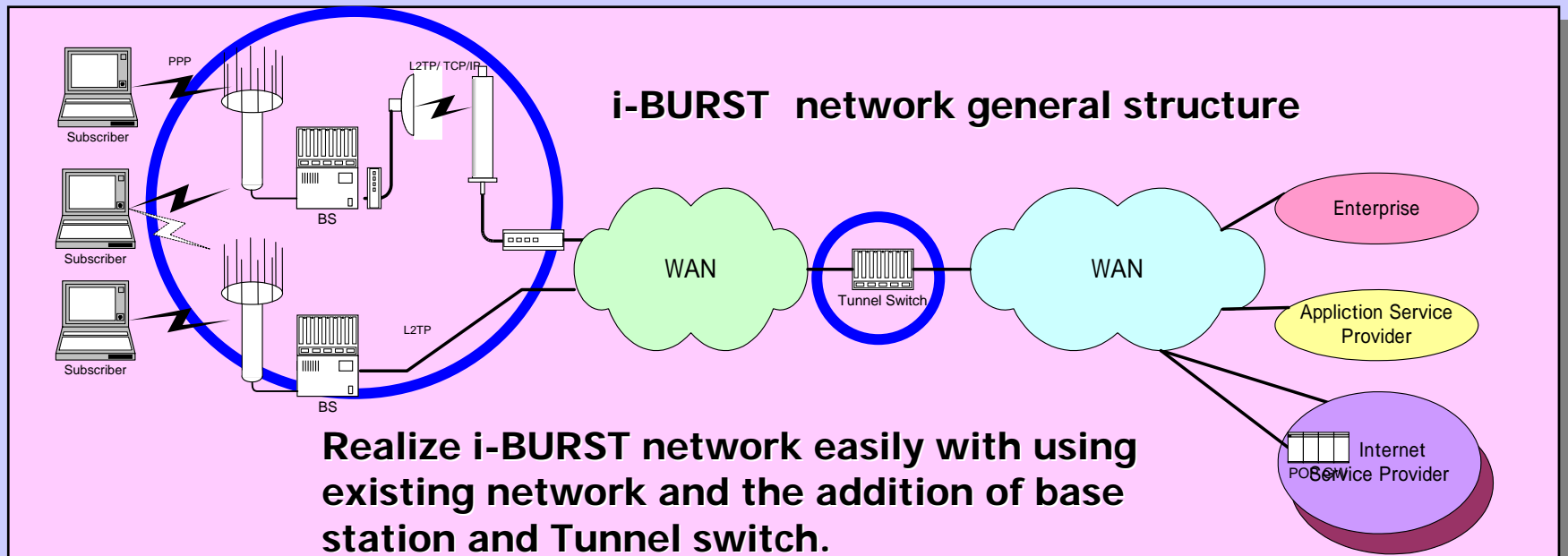


3. Always on

- Able to access the internet while PC power's on
- Support handover function among base stations

4. IP based infrastructure, requiring less investment

- Simple network topology
 - Specialized in internet access, no paging function
(no need of location registration, HLR function, paging function)
 - Connected to IP network, not to conventional switched network



Kyocera i-BURST BaseStation



Kyocera i-BURST User terminal

