[Supplement]

ACCESS' Approach to the Global Markets

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ACCESS Co., Ltd. Company Profile

- **Founded in 1984**
  Founders: Toru Arakawa (President & CEO)
  Tomihisa Kamada (EVP & CTO)
- **Public Listing: Tokyo Stock Exchange (4813) since 2001**
  Offices: Headquarters in Tokyo
  About 600+ people in world-wide
- **Share Holders**
  Founders (Arakawa, Kamada) about 35%
  Strategic Partners:
  NTT DoCoMo (9.6%), Motorola (1.9%), NEC (0.5%),
  Panasonic (0.5), Mitsubishi (0.5), Fujitsu (0.5), Toshiba (0.5)

ACCESS Systems Europe
(Oberhausen, Germany)

ACCESS U.S. Branch
(California, U.S.)

ACCESS China
(Beijing, China)

Sales Offices: Taiwan, Korea, France, Italy, Spain, UK, Brazil

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ACCESS Product Lines

ACCESS provides a set of client software for enabling Internet access on embedded and mobile devices.

Advanced Browser

NetFront® v3.0
Compact NetFront®

JAVA

Java POWERED

JV-Lite® 2
MIDP2/Doja

Plug-ins

Adobe PDF Reader

FLASH macromedia

RealNetworks real packetvideo

MASCOT CAPSULE HI 3D

Alliance Partners

Communication

AVE-TCP® wTCP/IP, IPv6
IrFront™ IrDA
AVE-Blue Bluetooth
AVE®-USB USB Driver

Security

AVE®-SSL

OS

μMore™
AVE™-File

Messaging/Mail

SMTP/POP3, M-IMAP, MMS

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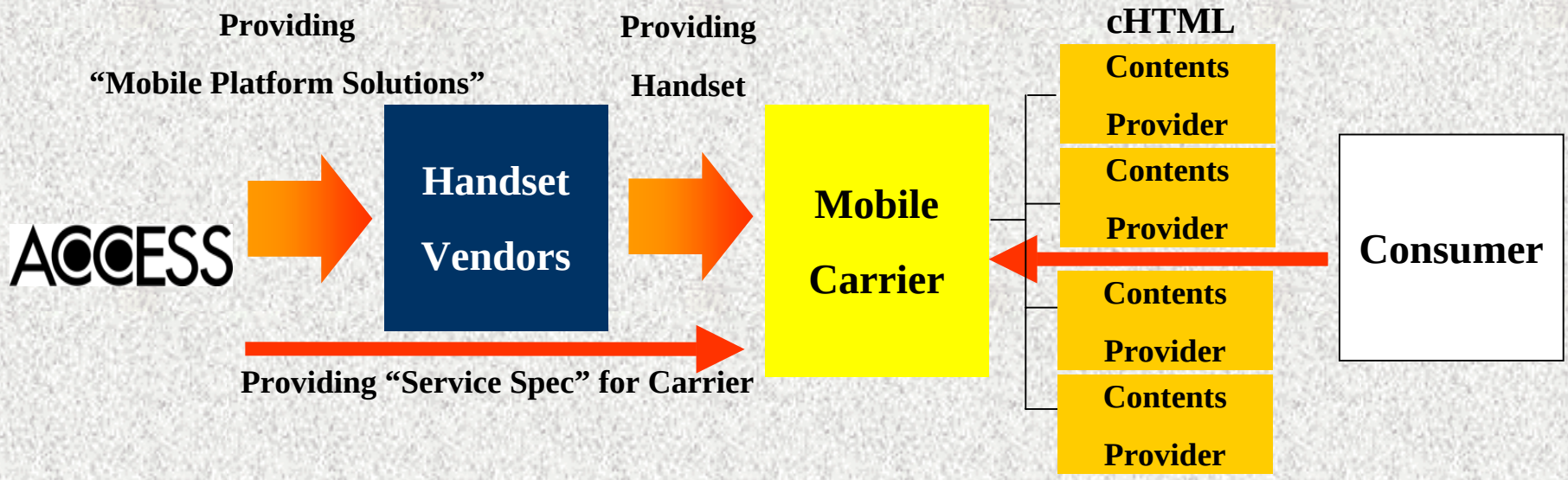
Business Structure

Providing Solutions for Mobile Carriers to Promote their ARPU



Our technology increased the number of content providers & achieved high ARPU

Reason: cHTML is more similar to HTML than HDML

ACCESS **The number of HDML contents providers did not increased as much, resulting in low ARPU**

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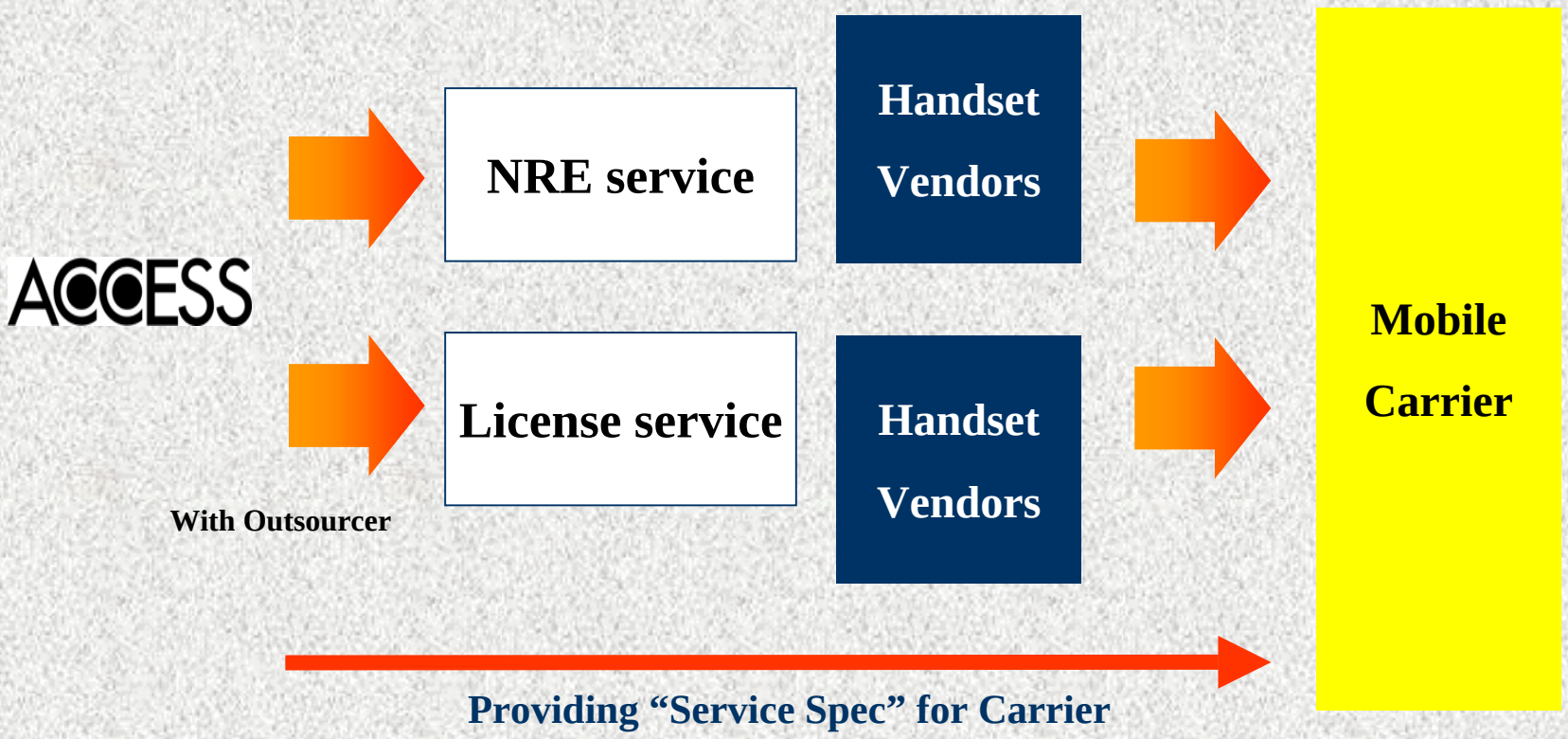
Our Business Model

How we provide “Mobile Platform Solutions” for HSV and Mobile Carriers?



Against risk of software internalization and to lead de facto standard technology

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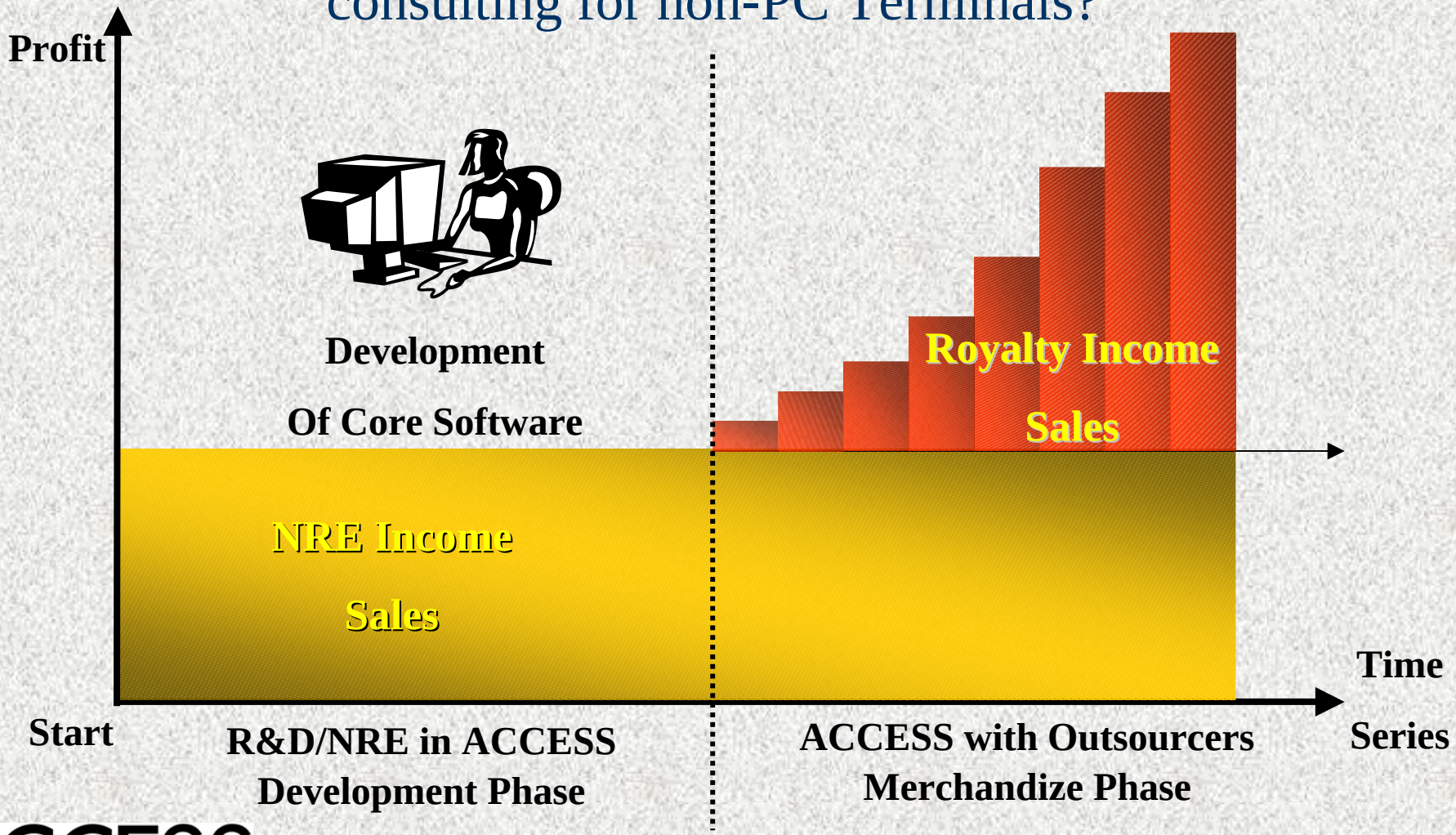
Our Profit Earning Model

How we can earn profit by software development & consulting for non-PC Terminals?



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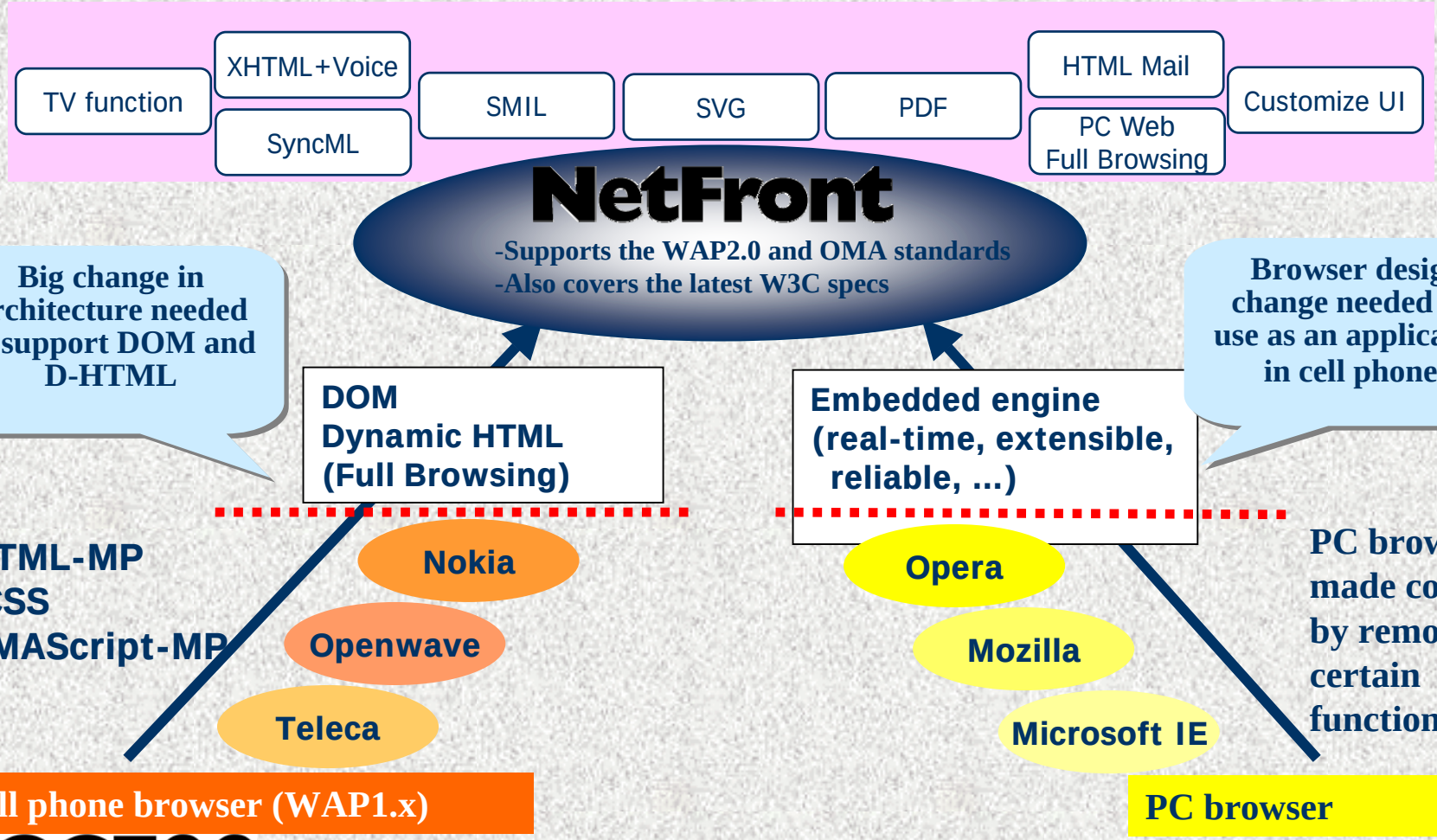
ACCESS' Technological Superiority

ACCESS NetFront is suitable for a broad range of applications, incorporating sophisticated architecture that meets the demand for cell phones that are easy and fun to use while incorporating complete Internet capability.



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ACCESS' Positioning

ACCESS covers all kinds of device categories.

MMS/M-IMAP
Messaging
Java
…

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Browser Centric Solution

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Plug-ins
Flash/MP3
SVG
Video/Audio

ACCESS covers all kinds of platforms.

Symbian OS, Palm OS, Linux, VxWorks, uITRON, Windows CE, BREW, …
ARM/StrongARM, SH, MIPS, Intel, Power PC, …

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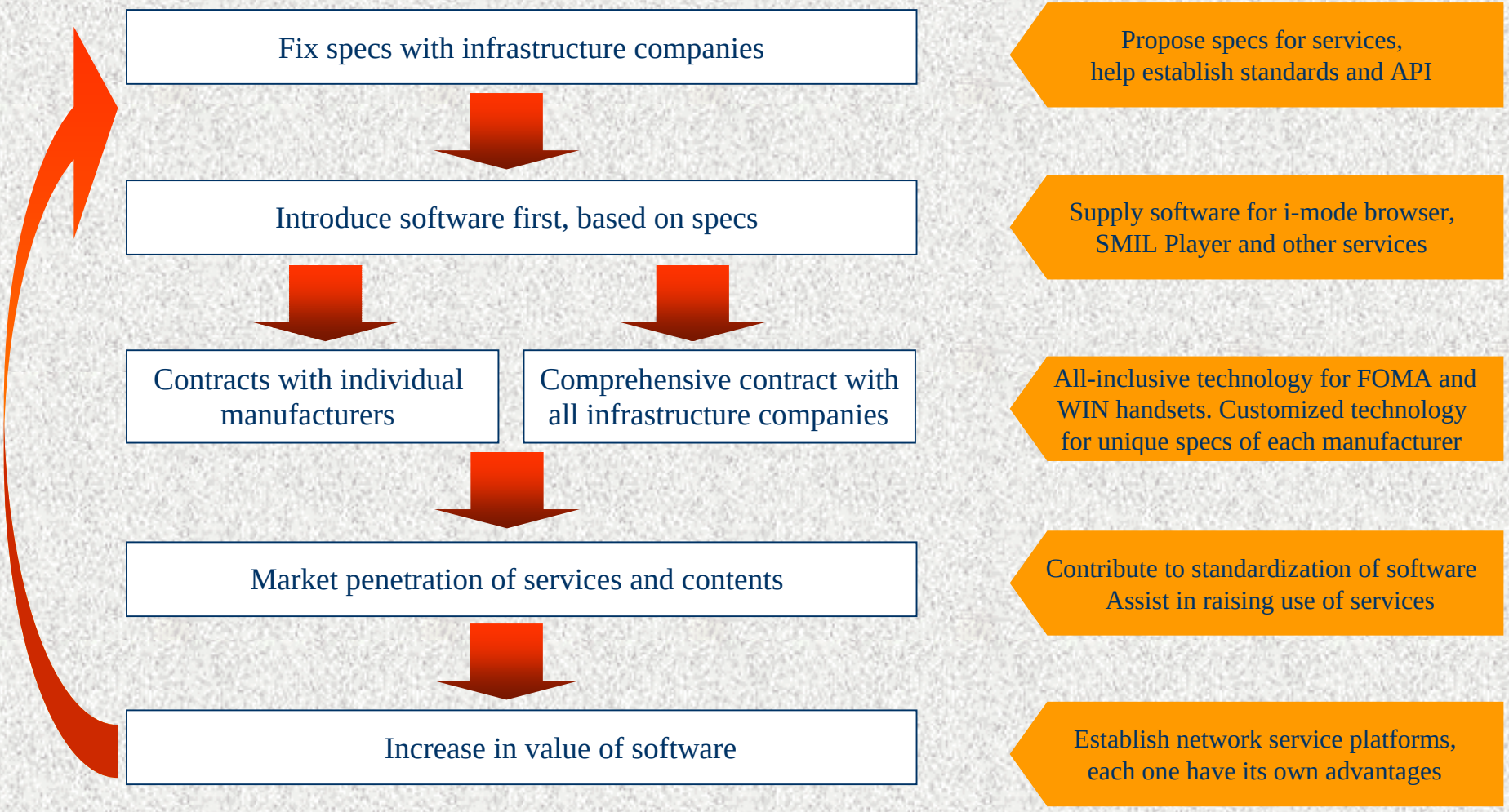
Status of Platforms in Japanese Cell Phone Market



A number of services have emerged with infrastructure providers taking the lead in determining specs. Service platforms have already been established.

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Continuous Evolution of Mobile Phones

ACCESS has been developing new data services based on Internet technologies.

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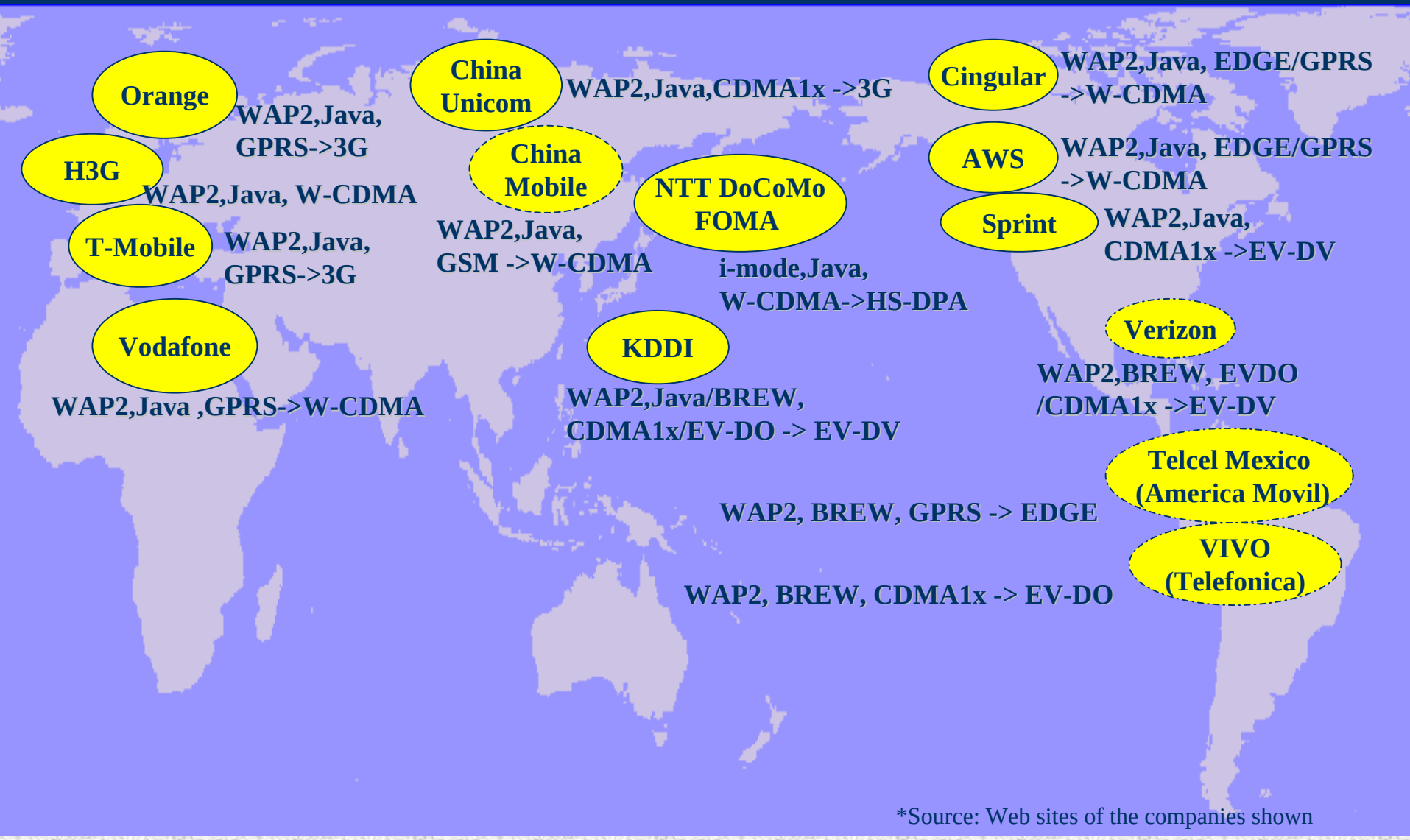
Advances in Platforms and Communication Systems of Major Global Operators



*Source: Web sites of the companies shown

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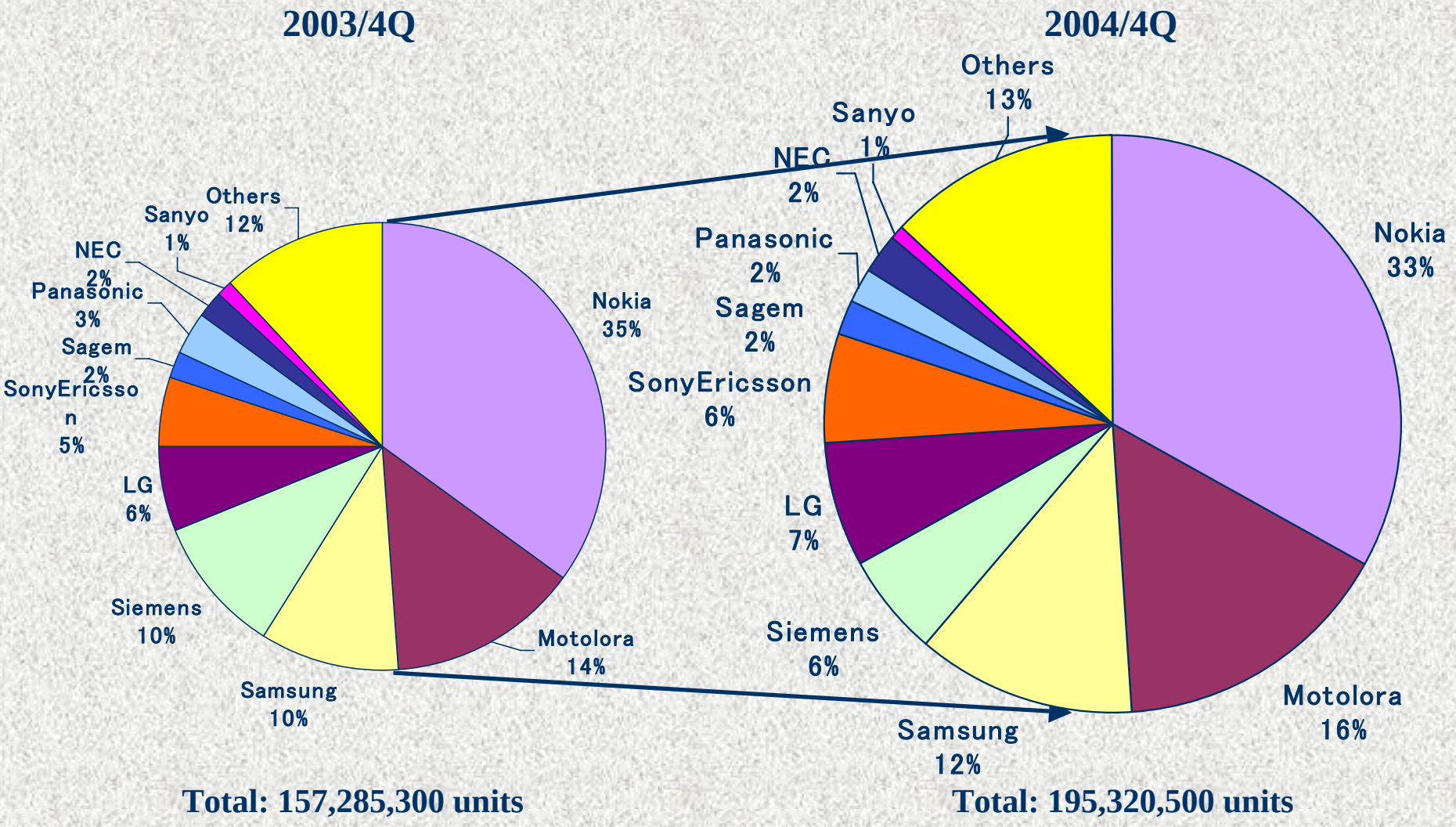
Change in Global Market Shares of Cell Phone Manufacturers (2003 4Q-2004 4Q)

*Sources: Gartner Group (2004-2005)



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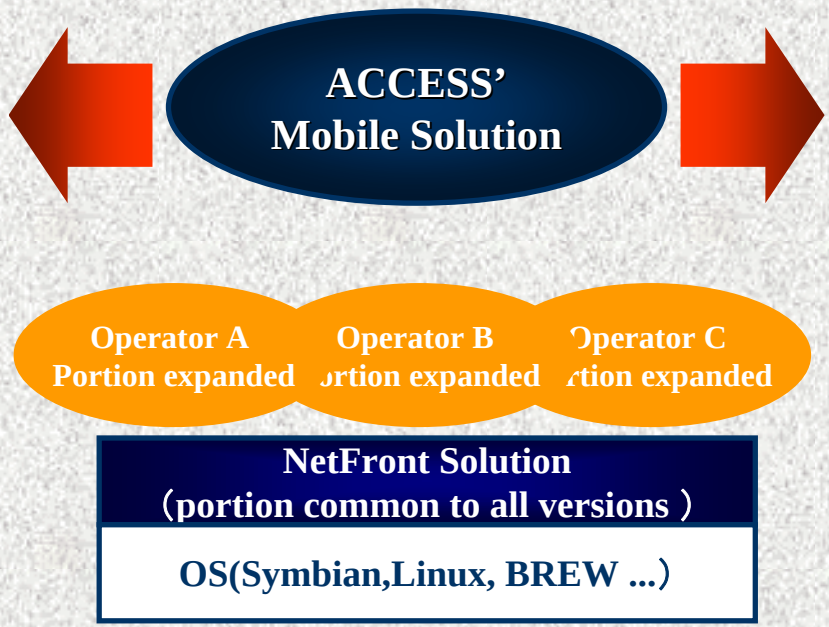
Full-Scale Launch of 2.5G/3G Value-Added Data Services; Now Starting World-wide

Now supplying software to about 30 mobile device manufacturers

- Amoisonic
- CASIO
- E28
- Fujitsu
- Haier
- Hisense
- Hitachi
- JRC
- Kyocera
- LG
- Mitsubishi
- Motorola
- NEC
- Panasonic
- Samsung
- Sanyo
- Sharp
- Sony Ericsson
- TCL
- Toshiba
- Vitelcom
- ZTE…..



Without relying on OS, compatible with any platforms

Major operators

- NTTDoCoMo
- Global i-mode alliance (KPN,e-PLUS,BASE,KGT, Bouygues, Telefonica,WIND, COSMOTE,Telstra, ….)
- KDDI
- Vodafone Global
- Orange
- T-Mobile
- Hutchison 3G Group
- Cingular / AT&T
- Sprint PCS
- Verizon
- China Mobile
- China Unicom
- China 3G(Trial) (TD-SCDMA, W-CDMA)
- ….

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Approach to Mobile Operators (1)

■In recent years, overseas communication carriers have switched to carrier-originated services just as in Japan. But there is an urgent need at overseas carriers for help in determining specifications and business models for exclusive services, a task where these companies have no experience.

NetFront Dynamic Menu

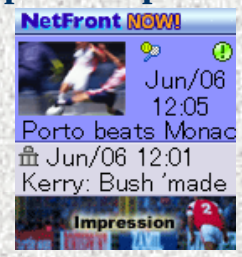
・Push content
News, information on events and other information are displayed using the mobile phone's standby screen.

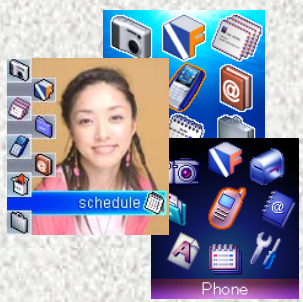
・Provision of various standby screens
Provide users with many styles of standby screens, seasonal screens and others to offer greater variety.

Mobile Operators

Provide services directly through the top screen, which users view quite often.

Mobile phone top screen





Mobile Operators can easily create exclusive services and set themselves apart from competitors!

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Approach to Mobile Operators (2)

■Outside Japan, there are still few content providers that focus exclusively on mobile content. It is difficult to create their own official site, since this is a developing market

Smart-Fit Rendering

- **View general web sites (for PC) on mobile phones**

By incorporating browsers with this capability in handsets, contents for PC can be viewed on a mobile phone screen.

PC screen

Mobile phone screen

Permits rapid launch of service because communication carriers can allow customers to view general web sites without offering specialized content for cell phones.

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Approach to Handset Manufacturers

■Handset makers must constantly produce models that conform to the specifications of different mobile operators. Furthermore, they need to operate efficiently and introduce a diverse lineup of models in a timely manner. Success also demands offering unique functions to differentiate models from those of competitors.

NetFront Mobile Client Suite
A Total Solution for Next-Generation Mobile Phones

Integrates all major applications required to launch mobile phones

Dramatically reduces development steps by providing linked function support for applications (Advantages are particularly great for providing browsers, messaging and Java in a single package.)

Supports the unique expansion specs of communication carriers

A software line with a scalable structure allows manufacturers to implement it in various models easily and efficiently!

Easy to offer distinctive characteristics for each manufacturer because user interfaces can be easily customized!

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CASE 1 : Nokia

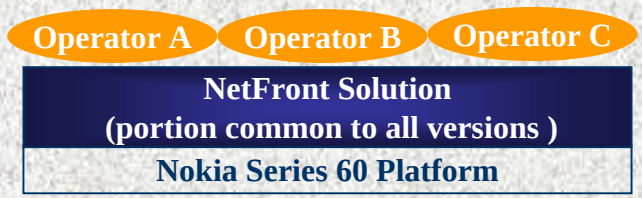
■Nokia

- Supplies handsets globally, offering models with unique features extending from the low to high end.
- Until recently, large European manufacturers like Nokia had created their own specifications, but, as was noted earlier, operators are now taking the lead in determining specifications.
- Because Nokia uses its exclusive specifications, it has difficulty supplying models that conform to the specs and service specs of individual operators while protecting its valuable brand and pricing power.

The ACCESS proposal

Combine the technological resources and extensive experience in technological Negotiations with ACCESS partner operators with Nokia's skill in developing handsets to supply models extending from the low to high end that can easily match the specs of any carrier.

Supports the unique scalability specs of each carrier



Existing projects involving Nokia:

- **Nokia selected NetFront v3.2 as a MMC bundled browser of their newest handset, Nokia 6670**
- **NetFront v3.1 for Series 60 Download sales from Nokia official sites**
- **Supply of handsets to China Unicom Adoption of M-IMAP**
- **Now discussing other projects**

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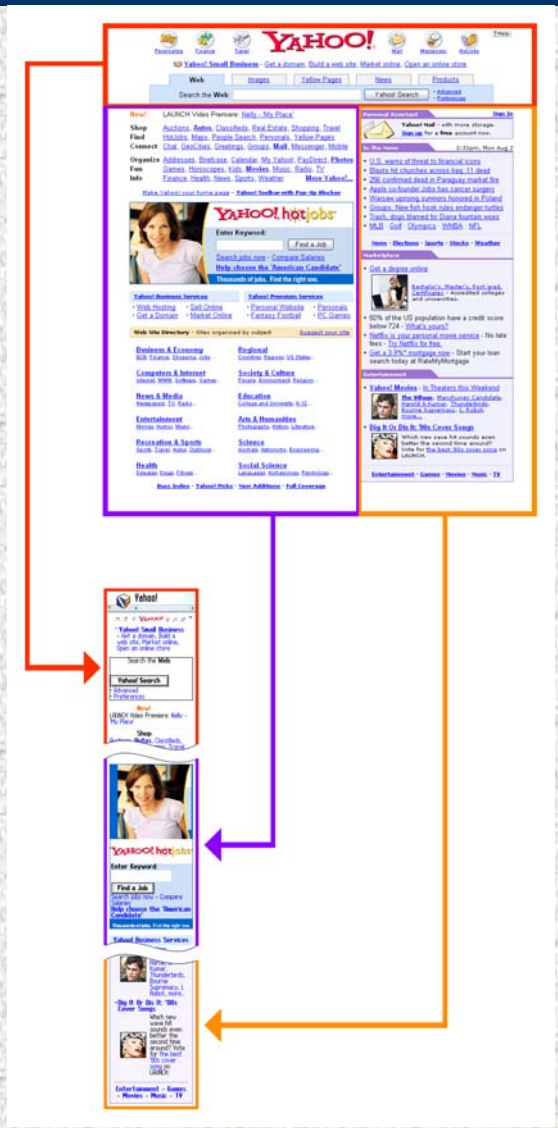
Nokia 6670 Bundles NetFront v3.2 + PDF

Nokia 6670 (Symbian/Series 60 based phone)
for world-wide market, bundles:

- **NetFront 3.2 Full Internet Browsing**
  - General Internet Sites
  - “Desktop view” mode
  - “Smart-Fit Rendering” mode
- **PDF Reader** (Joint development with Adobe)



The first one in the world!

- The most advanced Mobile Browser

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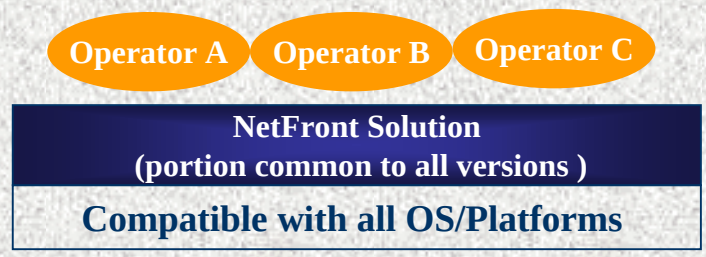
Case 2: Samsung

■Samsung

- Samsung has greatly increased market share by offering models that match the specs of operators worldwide and reflect regional market characteristics.
- But since Samsung serves each market with a vertical division of tasks, there are concerns about declines in efficiency and higher development expenses.

The ACCESS proposal

Using the ACCESS solution greatly reduced the number of development steps (thus cutting expenses) and enabled the timely introduction of new models.



Existing projects involving Samsung:

- **Browser, Java and other software used in S341i, their International i-mode handset.**
- **Supply of handsets to China Unicom Adoption of M-IMAP**
- **Now discussing other projects involving other handsets and other information consumer electronics**

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Comprehensive Contract With Mobile Device Manufacturers

Contract for supply of software to Samsung Electronics and Sony Ericsson

ACCESS will supply all types of technology involving browsers and other Internet software to Samsung Electronics, the world's second-largest producer of mobile devices, and Sony Ericsson, which ranks sixth.

ACCESS

Advanced Browser Suite
NetFront Mobile Client Suite

Advanced HTML Browser
NetFront

Java Virtual Machine
JV-Lite

Third-Party Plug-ins
Adobe PDF Reader
Macromedia Flash
RealNetworks Helix

Communication Protocols
AVE-TCP, IrFront
AVE-Blue, AVE-USB

Security
AVE-SSL

Operating System
µMore, AVE-File

Messaging/Mail
SMTP/POP3
M-IMAP, MMS

SAMSUNG

Sony Ericsson

Enhanced time-to-market through quick responses to the specs for the latest functions of operators worldwide and to platforms of all types

Can easily cover entire product lines, from high to low-end models

High-performance Internet technology that existing browser suppliers cannot match

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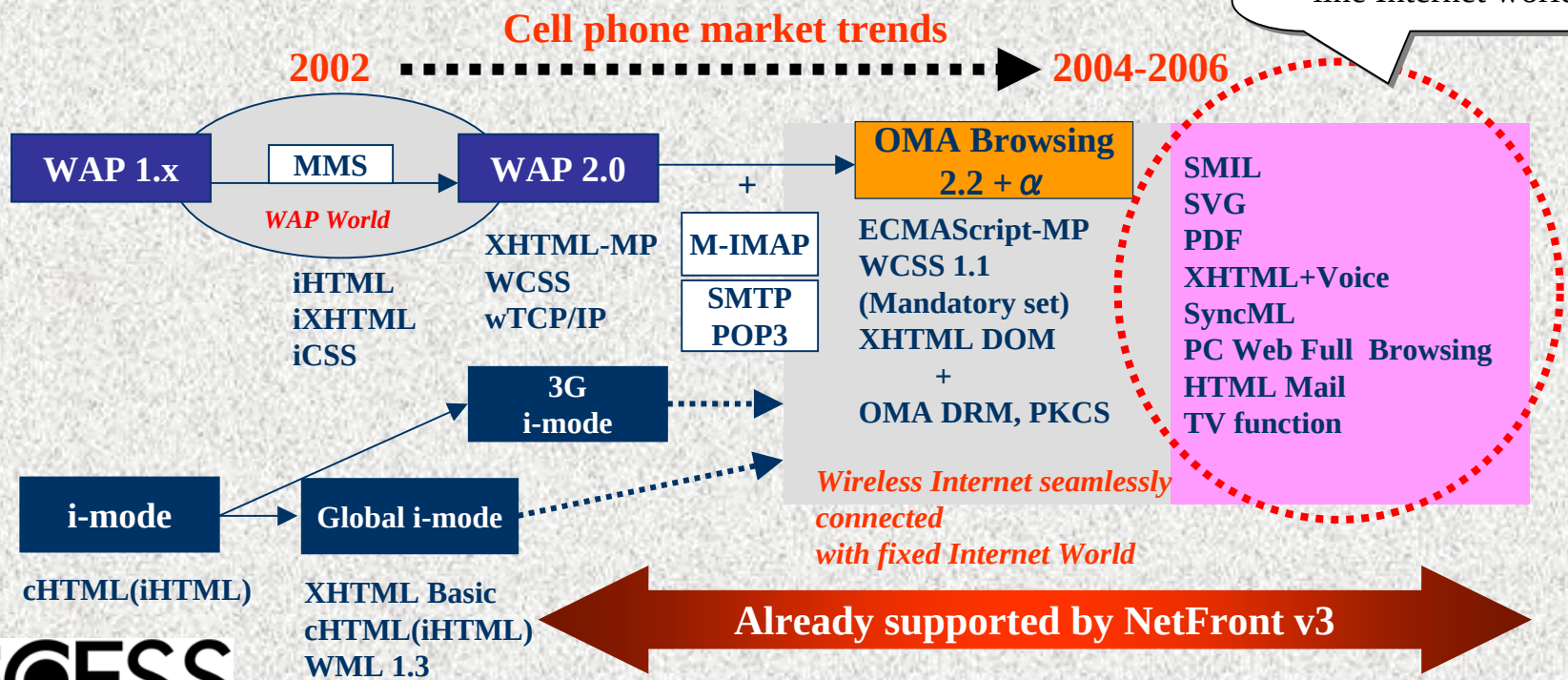
Targeting the Demands of Next-Generation Cell Phone Browsers

- NetFront v3 supports the WAP2.0 (XHTML-MP, WCSS) and OMA standards while covering the W3C full Internet specs.
- SMIL, SVG, CSS, DOM and ECMAScript are all critical elements.
- ACCESS has played an active role in formulating specs for W3C, OMA, 3GPP/3GPP2 and other standards.

W3C cHTML, XHTML Basic
W3C SMIL 2.1 Editor
OMA Browsing ETR Editor etc・・・

A wireless Internet infrastructure seamlessly connected to the fixed-line Internet world



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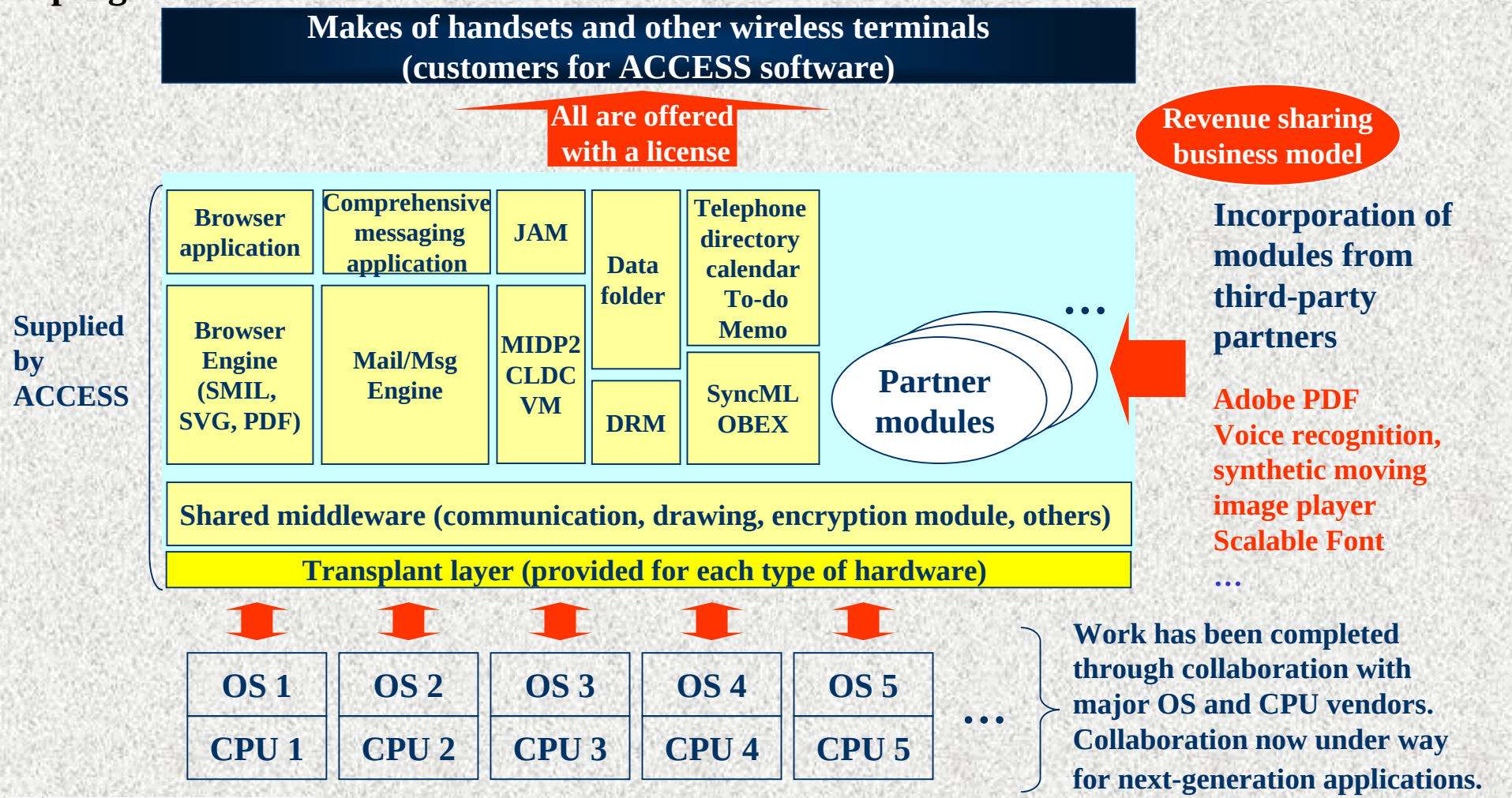
Total Solution for Next-Generation Cell Phone Software

ACCESS will supply integrated total solutions for handset software through technological partnerships with third parties. The goal is to add functions in line with progress in hardware.



Incorporation of modules from third-party partners

Adobe PDF
Voice recognition, synthetic moving image player
Scalable Font
…

Work has been completed through collaboration with major OS and CPU vendors. Collaboration now under way for next-generation applications.

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Full Internet Mobile Browser

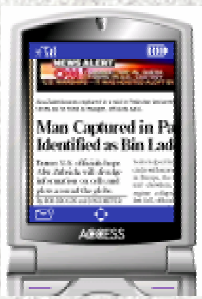
ACCESS is proposing “Full Internet Browser” including PDF for accessing large Internet web pages on mobile phones.

(1) Full Internet Browser

“Smart-Fit Rendering” for General Web Sites

(2) PDF reader Optimized for Mobile

Joint development with Adobe



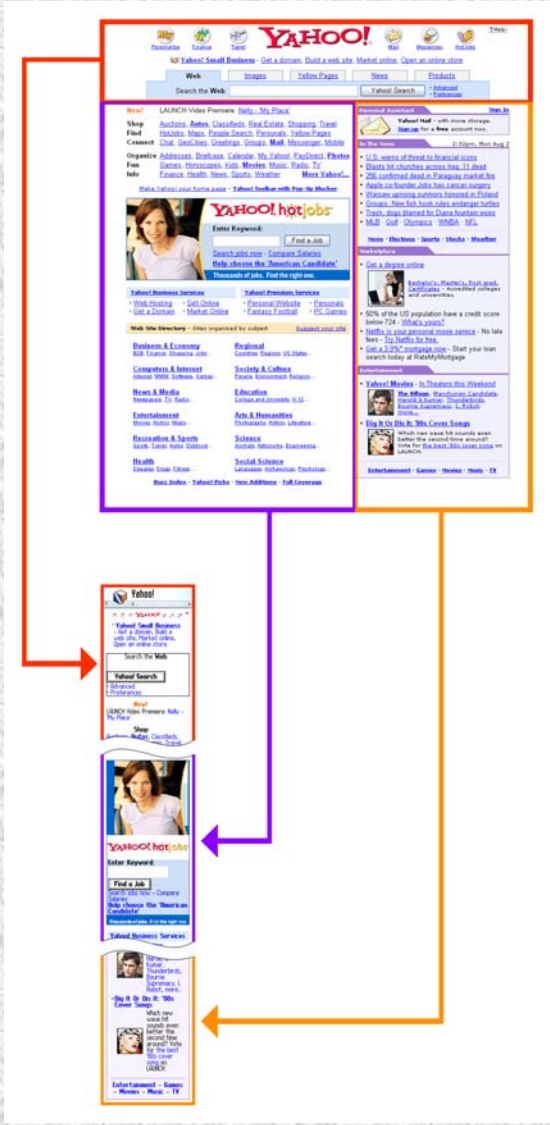
<u>Commercial examples:</u>

Nokia 6670 (MMC bundling)

Treo600/650

NetFront for PocketPC

Keeping the original styles as much as possible.



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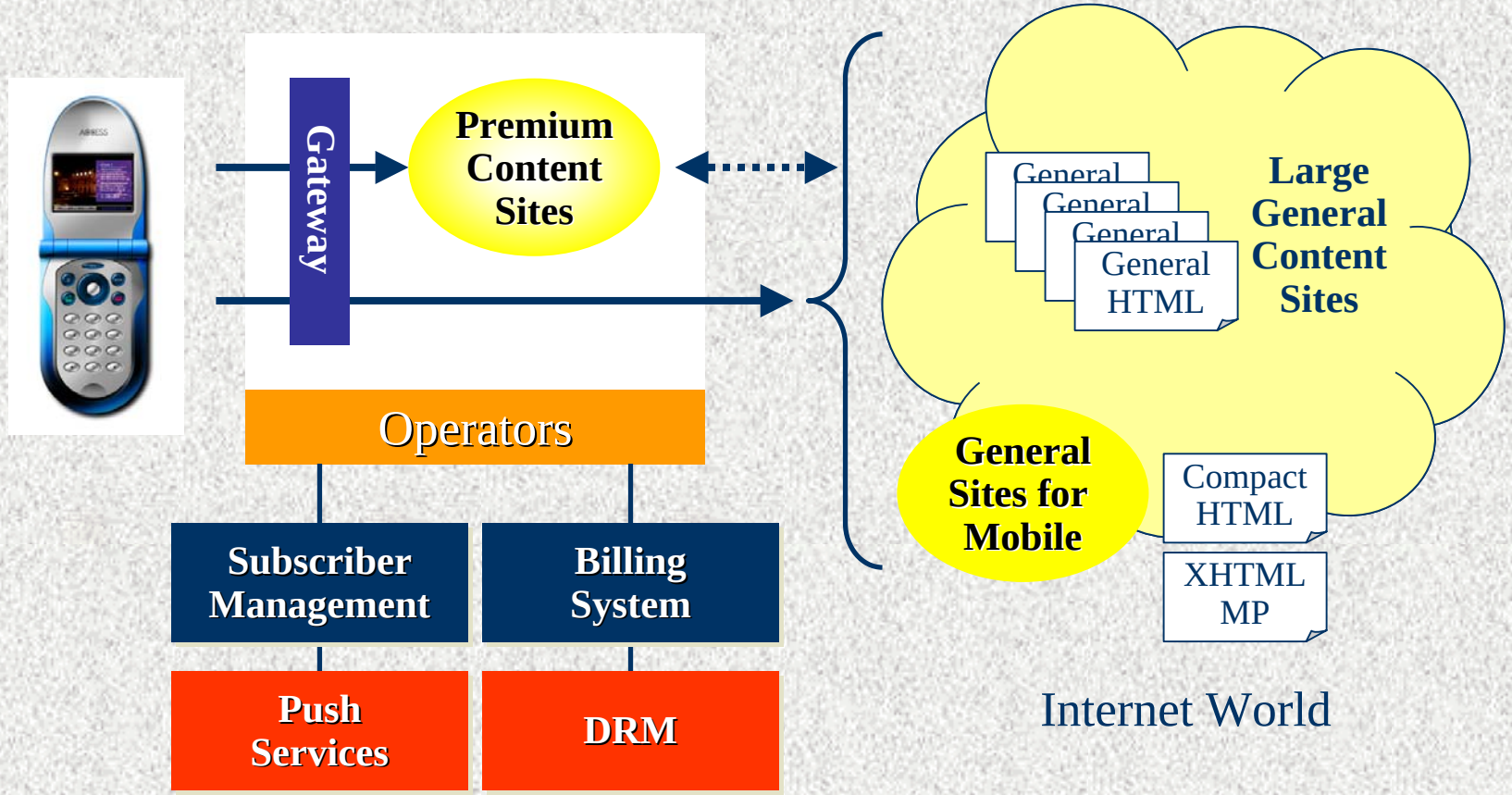
Full Browser Enables New Revenue Chances

With NetFront Full Browsing, Operators can provide a new business framework for general Internet content/service providers



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Full-Scale Commencement of Terrestrial Digital Broadcasts

- **Created a dual-function browser compatible with terrestrial digital broadcasts (BML) and HTML content**
  - Also includes HTML function

- **Features**
  - Remote operation possible (uses colored buttons)
  - Program-linking through broadcast expansion events
  - Accommodates digital TV requirements, such as interactive communications

- **NetFront DTV Profile**
  - Displays ordinary web sites on large-screen TVs
  - Display adjusts to match image width for easy viewing
  - Integration possible with Flash, Helix Client, Adobe Reader and many other plug-ins

BML browser screen

HTML browser screen

Tab browser function (3 URLs can be registered with colored buttons) for one-button viewing simplicity

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Mobile Devices for Terrestrial Digital Broadcasts

- **ACCESS has developed a one-segment broadcasting service browser that is based on the mobile browser (XHTML/HTML) and integrates digital TV browser (BML) know-how.**
  Able to share elements common to mobile web browsers

Terrestrial digital broadcasts for mobile TV (one-segment broadcasts)

- **Now developing prototypes with goal of 2005 year-end commercialization**
  Basic functions:
  - XHTML + CSS + ECMAScript
  - Scalability function for broadcast reception
  - Links to other cell phone applications

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Technology and Other Core Strengths of ACCESS

① **Leadership in advanced browser technology**
- SMIL, SVG, PDF
- XHTML+Voice
- Full browsers
- Mobile TV

……

② **NetFront "Mobile Client Suite"**
- Browser
- MMS/M-IMAP/Mail
- Java (Doja/MIDP)
- Provision of DRM, SyncML and others as a set

End-to-end content support
- Content provision
- Consulting, IOT
- Development of Java applications
- Server components and many other services

① **Leadership in standardization**
W3C, OMA, 3GPP, 3GPP2

Many browser-related patents
Patents approved 53
Patents pending 101 (Feb. '05)

ACCESS leadership

Collaboration with key partners worldwide

Network home electronics terminal platform, centered on browsers

Co-establishment of specs with carriers

② **Alliances formed with major OS and CPU vendors**

symbian, NOKIA Connecting People, Series60, MontaVista Software, QUALCOMM, palmsource, brew, intel, Texas Instruments, RENESAS Everywhere you imagine., …

② **Third-party alliances involving plug-ins and other key technologies**

Adobe, real, macromedia

IBM (VoiceXML)
HI (3D engine)
Text fonts
……

③ **More than 30 partner cell phone manufacturers**

③ **DoCoMo overseas i-mode alliance partners and**
KDDI
Sprint PCS
H3G
China Unicom
China Mobile
Bell South
Telcel
……

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