



**ACCESS Products and Technologies
Update
(FY2007 Q3)**

**November 14, 2007
Co-Founder, EVP & CTO
Dr. Tomihisa Kamada**

1. NetFront® Browser Full Browser Continue Healthy Sales

- Full browser start to be embedded to many models, including DoCoMo 905i series.
- Many inquiries of full browser for overseas market.
- Provisioning various applications to all 42 models in 2007 autumn/winter of 3 domestic operators.

2. Recent Topics

- Announced NetFront® Transcoder to transcode PC sites for mobile phones.
- Provided NetFront Browser to wireless e-Book reader “Kindle” of Amazon.com.

3. ACCESS Linux Platform™ (ALP) related News

- Develop sophisticated mobile handset for overseas market with Emblaze/Sharp
- Exchanged memorandum with DoCoMo, NEC, PMC, Esteemo (2007 Dec.11th) to promote “Linux® Platform + Operator Pack”

4. NGN, Home Appliances

- NetFront® Living Connect is adopted as an approved product to latest description of M-DMS (Mobile Digital Media Server) of DLNA guideline 1.5 and interconnectivity test of M-DMP (Mobile Digital Media Player) (2007 Oct. 2nd)
- ZebOS® is approved its interconnectivity under Isocore test in the network environment of MPLS (Multi-Protocol Label Switching) (2007 Dec. 5th)

NetFront Browser 3.4 ; Latest Functions Embedded to NTT DoCoMo SO905i, SO905iCS



Bookmark Thumbnail

Realize visual management of bookmarked sites by displaying page title, URL and reduced-size image of the bookmarked sites at the same time.



SO905i

PagePilot

Realize ideal zoom in/out by way of focusing on the selected part of websites



- Shortcut Key 5
 - Action Menu
 - Scroll down (need to setup)
- Above action can show PagePilot mode automatically.

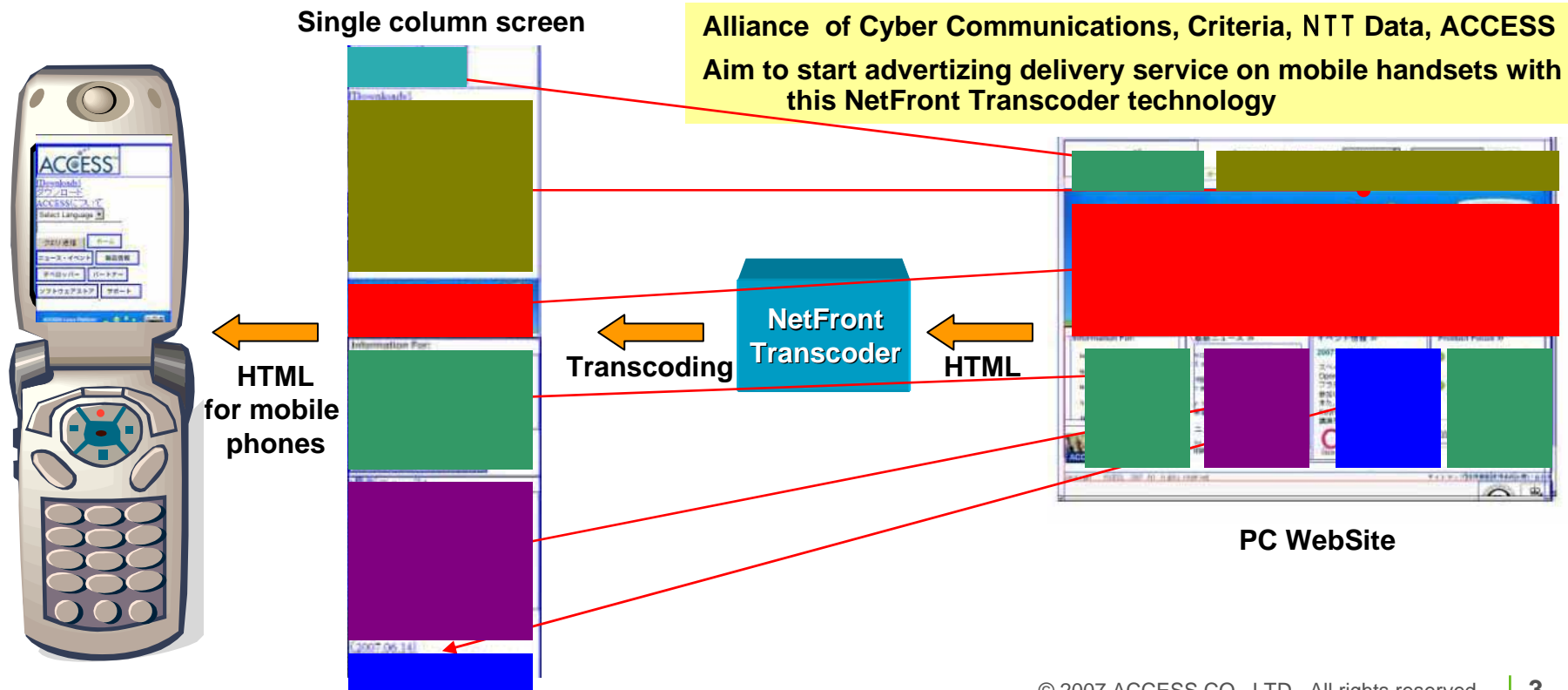


SO905iCS

"Cyber-shot" logo is a trademark of SONY Corporation

ACCESS's first development of server transformation solution NetFront Transcoder to meet the broad needs to browse general Websites using mobile phone.

- Apply the technology of NetFront Browser engine to provide server technology that transcode contents for mobile phones. It transcodes contents optimized for each mobile phones, by paging Web contents, divide to the parts and calculate layouts in the server.
- **Support JavaScript™, CSS, Flash® processing**



Streamline the development of mobile handset: Platform + Operator Pack

Japan

Operators pay for handset development cost.
Operators are basically committed to purchasing a set number of units.

Development costs are excessive.
Unique models for Japan, not applicable for overseas markets.

Operators can focus only on their added items

Manufactures can easily expand to multiple operators, and it is possible to focus on unique added value

Overseas

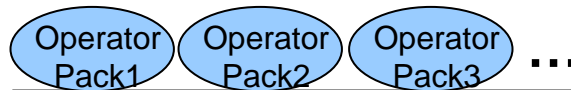
Even if operators provide required specification, they are seldom included.
Manufacturers pay for development cost.

Operators cannot develop services they want to provide.
Difficult for operators to differentiate themselves.

Operators can differentiate themselves through the Operator Pack

Orange has already developed Operator Pack
NTT DoCoMo is going to develop Operator Pack

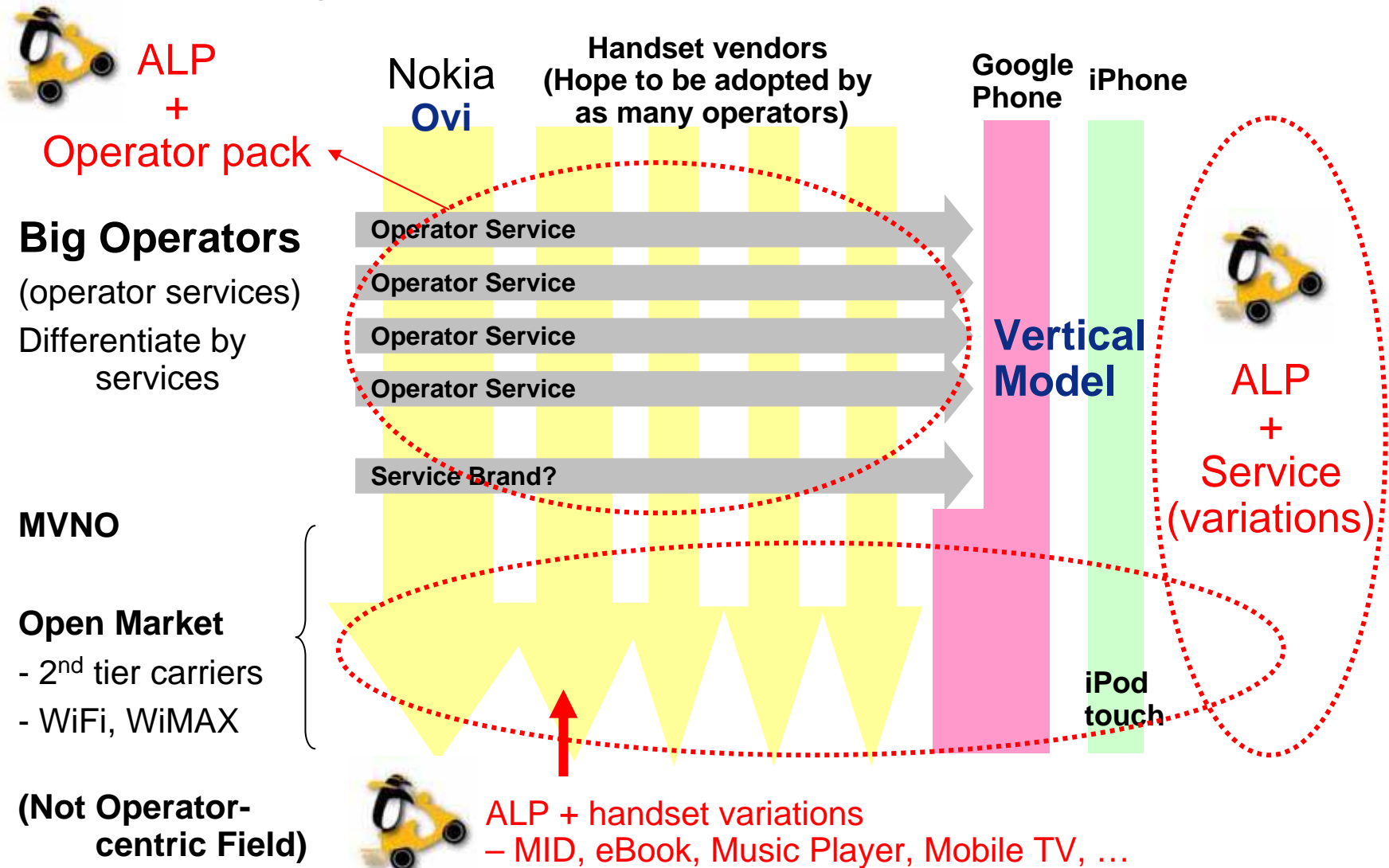
**Operator Pack
+
Platform**



Changes in the Mobile Industry

Operator x Device x Service

Mobile phones in Web2.0 era – various handsets and services



Traditional



Internet-focus



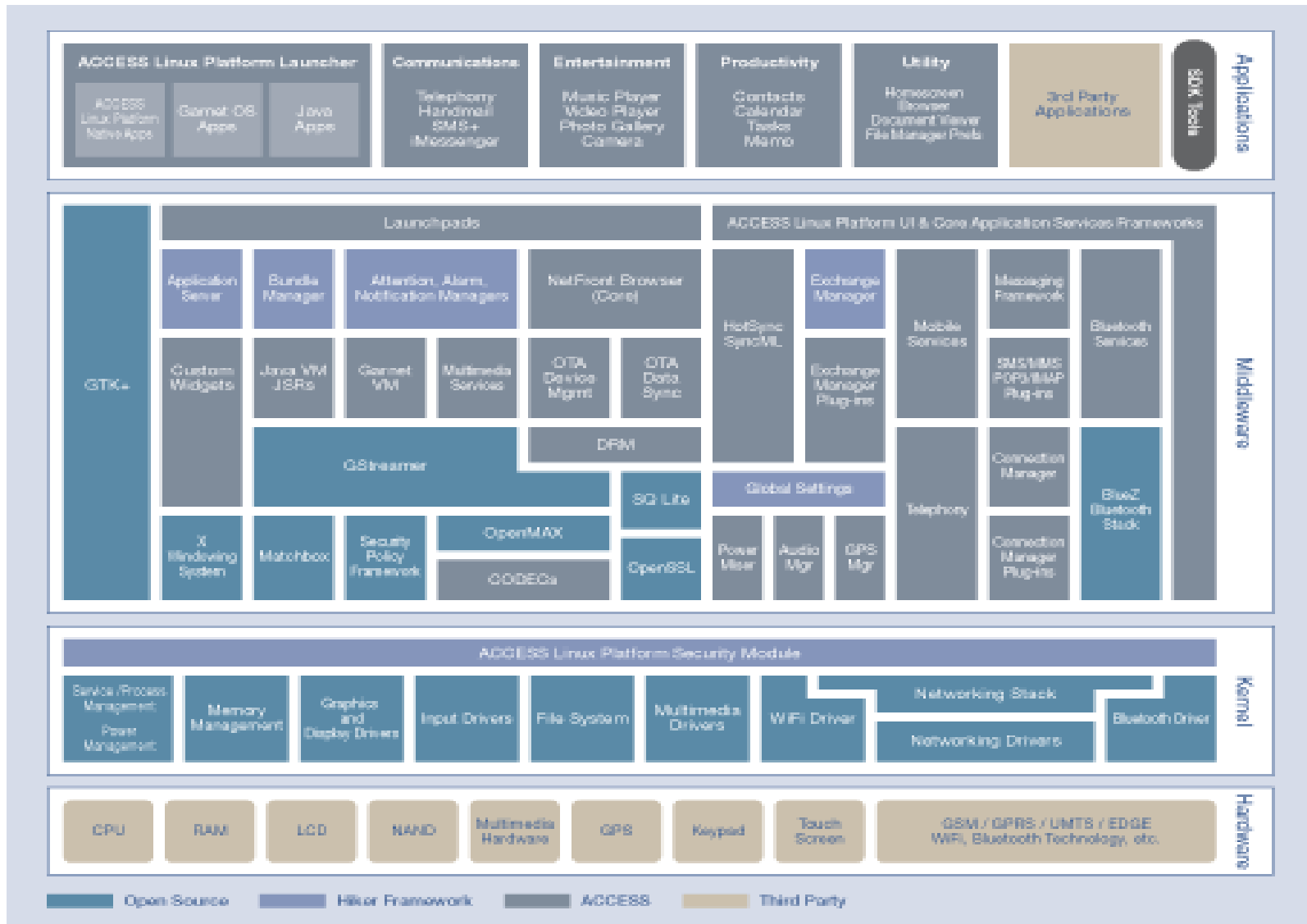
Widgets on Mobile desktop



3D Visual Effect



ALP ; Advanced Architecture



- Atk 1.11.4
- bluez-utils n/a
- busybox n/a
- cairo 1.0.4
- cppUnit 1.10.2
- curl 7.14.0
- dbus 0.36.2
- dosfstools 2.11
- expat 1.95.8
- fontconfig 2.3.2
- freetype 2.1.10
- gconf-dbus 2.6.4
- glib 2.10.1
- glib_2.8.6 2.8.6
- glib_2.9.5 2.9.5
- glibmm 2.6.2
- gtk+ 2.6.8
- gtkmm 2.6.7
- hal 0.5.5.1
- libglade 2.5.1
- libjpeg n/a
- libpng 1.2.8
- libsigc 2.0.17
- libusb 0.1.10a
- libX11 n/a
- libxml2 1.44
- openobex 1.0.1
- openssl 0.9.8
- pango 1.12.0
- pango_1.8.2 1.8.2
- ppp 2.4
- sqlite 3.2.7
- strace 4.5.12
- sysfsutils 2.0.0
- tslib 1.4
- x11-bdftopcf 1.0.0
- x11-bigreqsproto 1.0.2
- x11-compositeproto 1.1
- x11-damageproto 1.0.3
- x11-fixesproto 3.0.2
- x11-font-bh-ttf 1.0.0
- x11-fontsproto 2.0.2
- x11-inputproto 1.3.2
- x11-kbproto 1.0.2
- x11-libfontenc 1.0.1
- x11-mkfontdir 1.0.1
- x11-mkfontscale 1.0.1
- x11-randrproto 1.1.2
- x11-renderproto 0.9.2
- x11-scrnsaverproto 1.0.2
- x11-util-macros 1.0.1
- x11-videoproto 2.2.2
- x11-xcmiscproto 1.1.2
- x11-xextproto 7.0.2
- x11-xproto 7.0.4
- xau 1.0.0
- xcomposite 1.0
- xcursor 1.1.5.2
- xdamage 1.0
- xdmcp 1.0.0
- xext 1.0.0
- xfixes 2.0.1
- xfont 1.0.0
- xft 2.1.7
- xrandr 1.1.0.2
- xrender 0.9.0.2
- xserver 6.6.1
- xtrans 1.0.0
- xv 1.0.1
- zlib 1.2.2

Provide a set of software, consisting of more than 9 million lines and about 150 software components, including Open Source software.

ALP can leverage existing Palm OS® applications. In addition, ALP provides a software environment where users can run native Linux applications, Java™ applications, Web2.0 (Ajax) applications by providing SDK.



ALP Linux native apps



**PalmOS apps
(Garnet OS)**



Java apps



**Web 2.0
(Widget applications)**

Started free download of **Garnet™ VM** evaluation version for Nokia Linux handset (2007. Nov.13th)
Downloads reached about 5,000 within 1 month.



ACCESS Developer DAY



ACCESS Partner Program
The number of ACE member increased to 73 companies (End of Nov.)



ACCESS is mobilizing high quality communication and entertainment for connected users around the world.

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