

# Work progress on proposed API

January 26<sup>th</sup> ,2005 NEC Corporation



## Action item related to API discussion

- Prepare English translations of proposed API documentation (NEC and Panasonic)
- Request WG review of the API, tier definitions, and architecture diagram (WG Chair)



## **API** Documents

- Preparation of API documents
  - English translation work is in progress....
  - Translation will be done in March 2005.
  - Modification of several API description (ex. using Japanese description). API list will be revised in middle of Feb. 2005
  - Concurrently, NEC checks...
    - Carrier and Vendor specific APIs (also its parameter) are excluded.

### Discussion Item

- Which license is suitable for API document as WG output?
  - LGPL
  - GNU FDL
  - or something else

### Proposed Platform Profile(updated)

(\*)At present, X11R6(X window) contains a lot of vender specific functions. It may not be appropriate to disclose.



: Module (Planning to Oper

: API (Planning to Open)

#### Tel App

Standby Screen, main menu, videophone app, phone app, phonebook, NW service, and phone function setup

#### System App

<u>se</u>tup

Air download Generic LCD display Backside LCD display PIN authentication and monitor mode

#### MultiMedia

App

Multimedia app
Still image viewer
Video viewer
Camera app
Vector G viewer

### Data processing App

OCR, barcode, SD-PIM, data transfer, memory transfer, external I/F communication, user data, IR, schedule,

#### Internet App

Java Engine Java AP SMS, mailer Browser, HTML mailer

#### Internet AppEngine

(AP Engine/CPE) CPE, AWS HTTP, SSL IMD, FLASH

#### Tava AP Others

Accessory menu Accessory (text memo) Accessory (calc)

nction Ava

Ring tone

voice memo, schedule aları and data folder

#### M-5 Telephony API

[Services (ELIB)] Resource management library (API), SD file Packet communication Voice communication. SMS communication Equipment, key, Authentication Schedule, Data exchange Record playback Voice response UI control LMP management Sound system Service manager Event transmitter, DRM

#### M-2 AP Framework API

[Window Manager]
APC, WC, CLM, TMG
[Window System]
Fonts, Extended
Wiidget

[Inter-App communication]

[Other (AP Framework)]
PICT display library
Image library
[Text\_input(AP Framework)]

GTK+

X11R6(\*)

glibc

#### M-4 Multi Media API

#### Multi Media Elib

Video control ELIB Camera control ELB Video phone ELIB

> [3G-324M] H324, H245, H223

#### Multi Media Manager [3G-324M]: H324, H245, H223

[Multi Media I/F]
File I/O, Mux/Demux,
Streaming

[Multi Media Plug-in] File IO , Demuxer, Muxer , Video/Voice/Text control

Camera/Video control
[Video phone middleware]
Video phone/Video control

Multi Media Driver API

VH(VideoHandler)

#### M-6 Data Processing API

JAM

KVM

CLASS

Engine

(AP Engine)

· Bar code(API) · OCR(API)

[TAF(S-I/F)]
AT, CS, PS,
SMS, DCF,
TMF, EXT-IF
[Mobile Middleware]
MAW, OBEX,
OMF

M-3 Mobile

Middle

API

M-8 Driver API

DSP Lib, Tone Lib, Voice Path Lib, Melody Lib

Linux Kernel(K1-K7 Kernel API)

Device Driver

M-1 Common API