

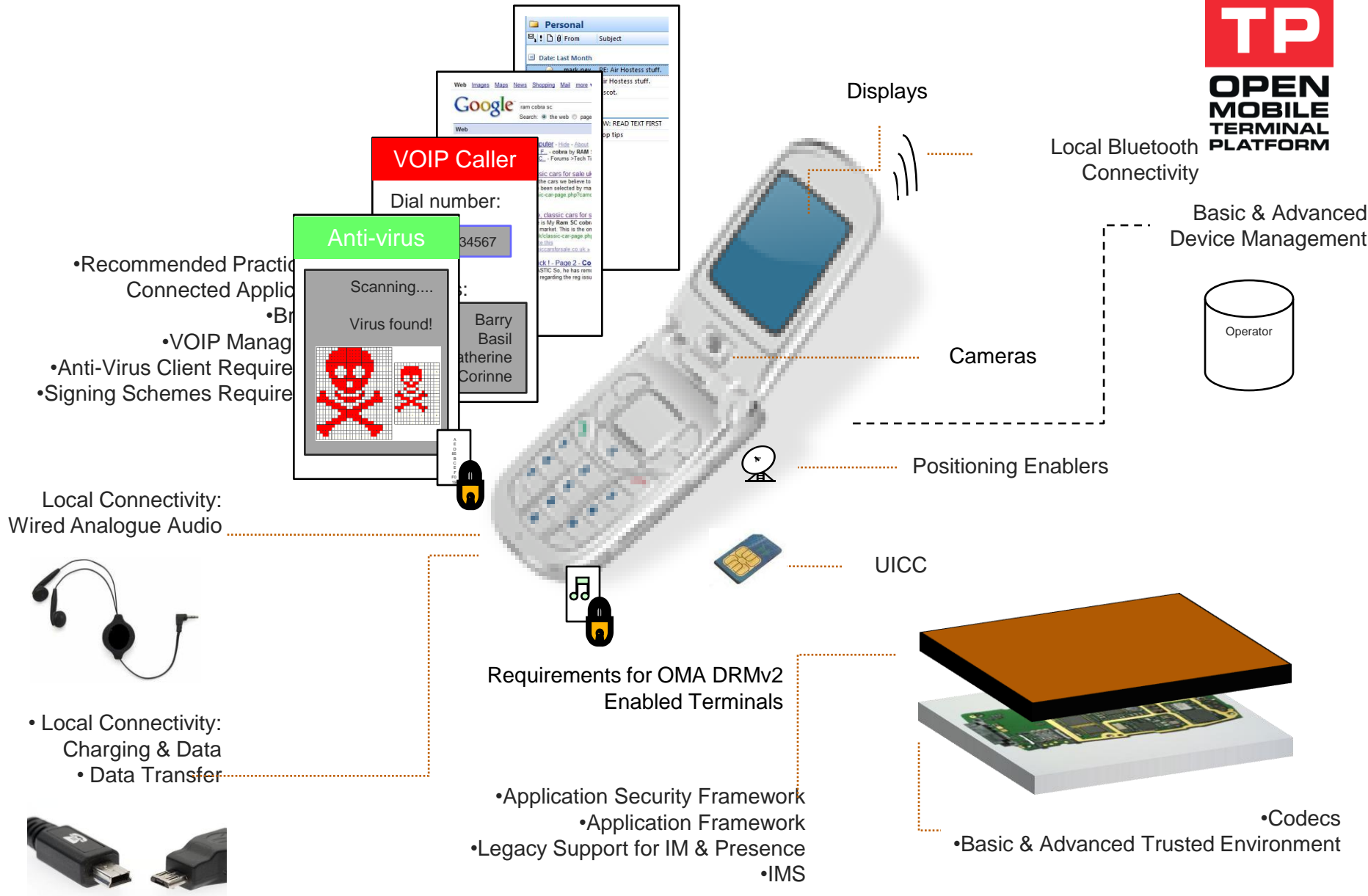
OMTP



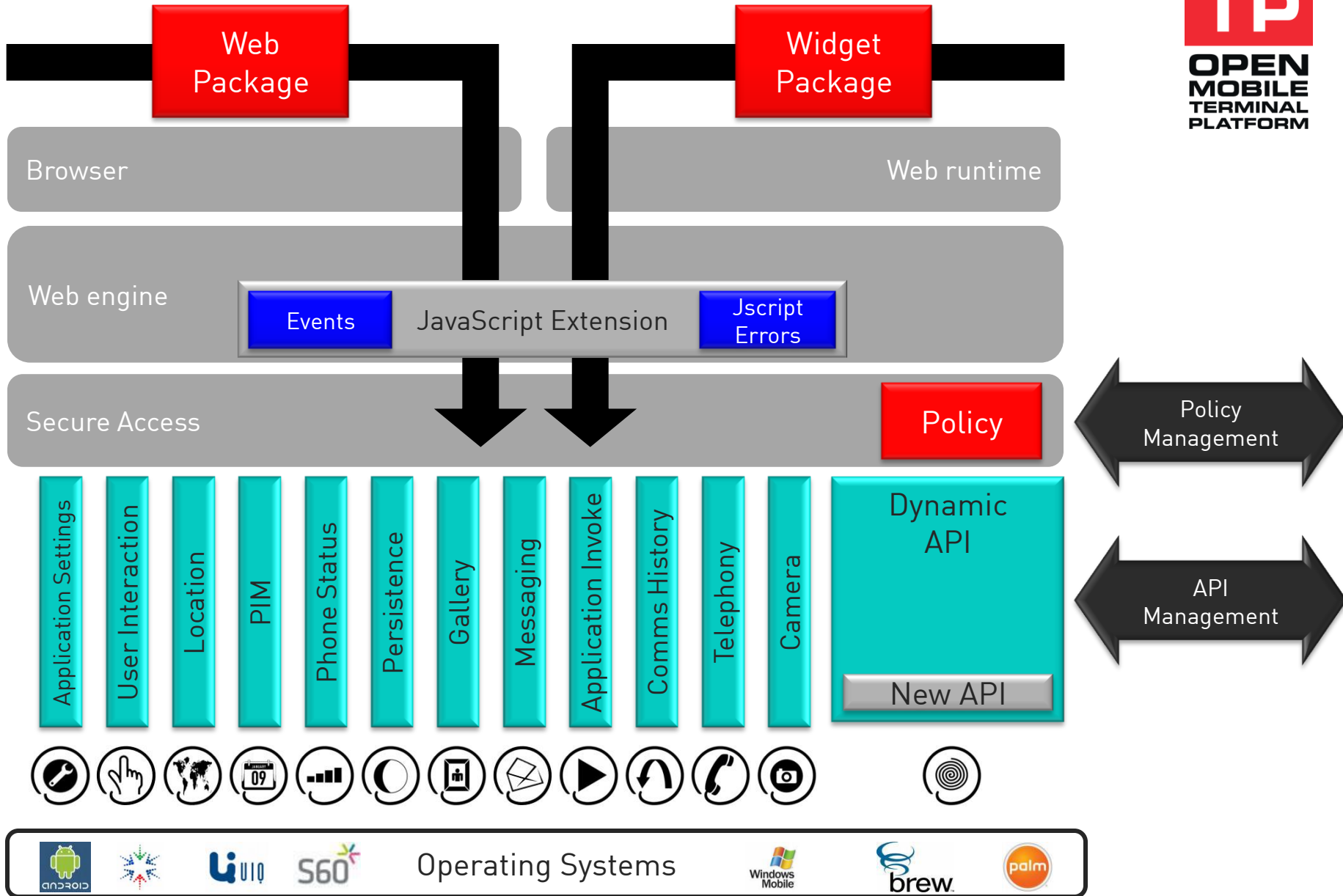
- A community with a proven record of delivering on terminal requirements
 - Operator members define goals and direction
 - Made “real” by a balanced community of Participants
 - Permanent office team

OPERATOR MEMBERS	PARTICIPANTS

OMTP Published Recommendations



BONDI scope



Functional
Interfaces

- Consistent APIs exposed to the web developer and enhance the experience of the user

Management
Security
& Interfaces

- Interfaces required to secure the end to end experience and manage web application lifecycle

Functional Interfaces

- Application Invocation
- Messaging
- Gallery
- Persistent Data
- Phone Status
- Communications Log
- Personal Information
- Location
- Camera
- User Interaction
- Application Settings

Management Security & Interfaces

- Security Policy Definition
- Policy Management
- Extensible APIs management
- Application Packaging

BONDI FUNCTIONAL INTERFACES

Application Settings

Description

Provide a mechanism to manage application settings and user preferences

Example

An email widget can store pop3 and smtp settings, remembering user login credential and preferences of email presentation

Application Invocation

Description

API to instantiate native applications in the process physically handing over the user interfaces

Example

A social networking application offers you the opportunity to add your photo – it does this by calling up the native “camera” application to instantly gather the phone using the UI the user is most familiar with

Messaging

Description

Function calls to interact with the core messaging capability of the phone, including email, SMS and MMS

Example

A website hosting broadcast/IP TV offers the user to opportunity to vote online, by integrating with the SMS capability of the phone

Gallery

Description

Function calls to manipulate the phone Gallery: core user generated and consumed data such as photos and videos, but also including users music and files

Example

A music website presents “your taste” in music by analysing you current collection and finding similar tracks

Phone status

Description

Comprehensive collection of functions to query the current status of the phone. Including, battery life, network status to more advanced functions such as accelerometers.

Example

Before downloading a large video file, a web application checks current battery status and progresses only if it anticipated that the download will complete before the battery will run out

Communications Log

Description

APIs that grant access to the list recent communications, including sent and received calls, text messages and emails

Example

A social networking site shows you the home page of recently communicated people. Also offers to connect you to recent contacts who are not currently linked to you.

Personal Information

Description

Function calls to view and manipulate the commons set of PIM data, including calendar, task notes but most importantly contacts.

Example

Social meeting invites , arranged from a web site can be automatically scheduled and inserted into phone calendar, also allowing invitees contact details to be fully reconciled with personal contact list on the users phone.

Location

Description

Simple API that can assess phone current location, where API can be implemented by a variety of mechanism: CellID, AGPS, built in GPS, bluetooth GPS, WLAN estimates etc.

Example

Web based advertising can be enhanced to factor on users current locations substantially increasing the relevance and value for consumer and advertiser alike.

User Interaction

Description

A set of APIs that gives a widget or website far better control of how it manifest itself on phone as opposed to standard web rendering. Including, minimise/maximise functions, window size, alerting mechanisms etc.

Example

A news alert widget, keeps itself minimised in the background until a new update is received. When received, it maximises and gives an audio alert that is consistent with the phones availability setting: ie tone on normal, vibrate only on meeting setting.

BONDI MANAGEMENT AND SECURITY STANDARDS

Policy Definition

Description

A precise, flexible and interoperable definition of when each application can access a particular resource, where an applications identity is determined by its security credentials.

Example

A policy is defined to only allow applications that have been tested, in some way as yet undefined, access to some network critical functions (such as network location). But still allows a user to selectively restrict this “personal” information from all or any applications this user determines.

Policy Management

Description

Defines the mechanisms by which policies can be changed/managed by remote entities

Example

When a user migrates from one operator to another the policy that determines what operator centric resources an application is allowed to access can be changed.

Packaging

Description

Defines the precise mechanisms by which an application can both declare its identity and define any dependencies it may have on either device capability or other software components.

Example

An application may either be rendered as widget or web page- but the precision with which a policy may be applied is dependent upon the robustness of its identity model. Also an application which has functions dependent upon a physical camera can adjust functionality or notify user if on installation it is found there is no camera.

Application Extensibility

Description

Where the functional interfaces define static mandatory APIs this workstream analyses the mechanism by which new APIs can be dynamically installed on the phone

Example

A new low level API is developed to make use of a video codec optimised for broadcast IP video. This API can be installed post point of sale, making viable a whole new efficient method of content delivery.