Overview Mobile Messaging
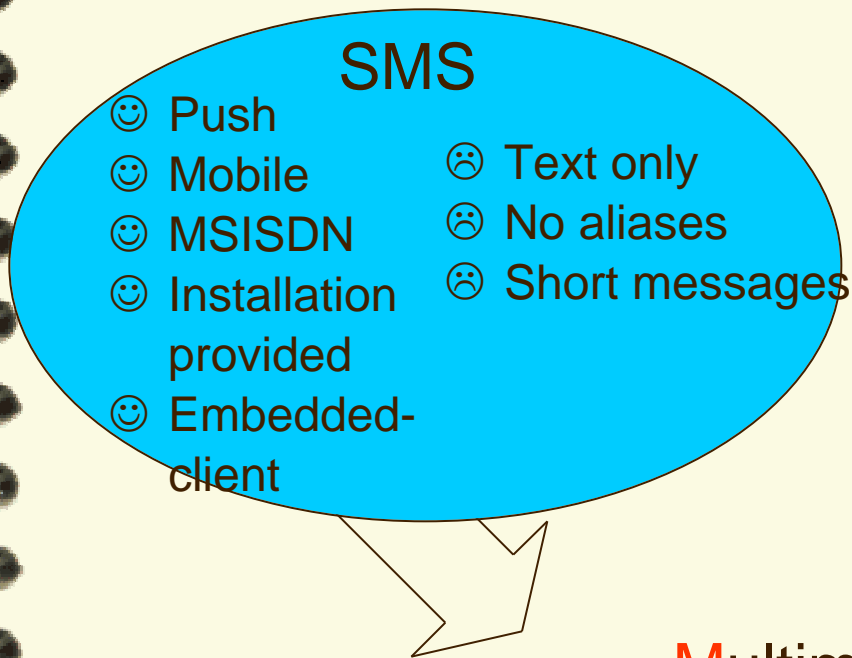
Ileana Leuca - AWS

Overview Mobile Messaging

✓ Evolution of mobile messaging

✓ Enhance Messaging Service (EMS)

✓ Multimedia Messaging Service (MMS)

Multimedia Messaging Service

Merging the Advantages of Two Successful Messaging Services

SMS

- ☺ Push
- ☺ Mobile
- ☺ MSISDN
- ☺ Installation provided
- ☺ Embedded-client

- ☹ Text only
- ☹ No aliases
- ☹ Short messages

Multimedia
Messaging
Service

Brief description of EMS

✓ Standardized Service (EMS is part of the 3GPP TS 23.040 Release 4 and 5)

✓ Evolution and enhancement of pure text based standard SMS messages by new elements (sounds, animations, pictures, text formatting)

EMS: Release 4

✓ Text formating

✓ Pictures

✓ Animations

✓ Sound

✓ vCard and vCalendar

✓ Segmentation/Concatenation

EMS:Release 5

✓ SP-MIDI

- user defined polyphonic sounds (Scalable Polyphony-synthesizing music)

✓ Wireless Vector Graphic provides

- scalable and animated picture capability to EMS with high efficiency for message size by utilising a combination of compression technologies.
- character size drawing (or glyph) capability to allow complex Asian language messages to be handwritten and displayed efficiently.
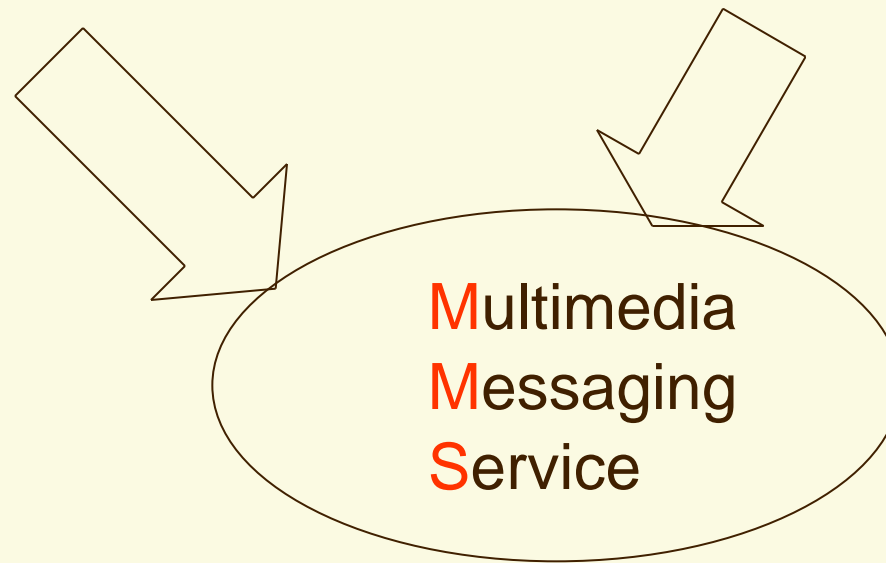
MMS (Multimedia Messaging Service)

SMS

Internet E-mail

☹ Text only
☹ No aliases

Multimedia
Messaging
Service

Present Standards

✓ MMS - Release 4 - enhancements

– Terminal (e.g. codecs/file format)

✓ MMS Release 5 – June 2002

– User profile/MMS provisioning

– Charging methods (pre-paid, reverse…)

– Notification and Mail box support

– Interface specifications (MM1, MM7)

MMS Reference Architecture

MMS User Databases

HLR

MMS VAS Applications

MM6

MM5

MM7

MMS User Agent A

MM1

MMS Relay/Server

Relay — MM2 — Server

MM3

SMPP

"Foreign" MMS Relay/Server

MM4

MM1

MMS User Agent B

External Server #1 (e.g. E-Mail)

External Server #2 (e.g. Fax)

External Server #3 (e.g. UMS)

...

External SMSC GW

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