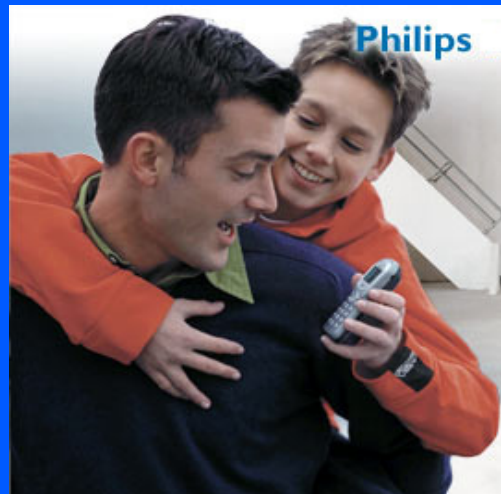




PHILIPS



Transcoding Interface Presentation (T2-020753)



Presentation about Transcoding Interface Standardization and an
example

3GPP T2#18, Velen (DE)

Agenda

- Goal
- Proposed process
- Requirements
- Transcoding Services background
- Why standardize
- Draft Interface document
 - Interface principles
- Transcoding interface and MM7
- Conclusions

Goal

- Get support for standardizing a transcoding interface within 3GPP
 - MM9?
 - MMSC specification already mentions transcoding
 - 23140 (530)
 - ‘Media type conversion’
 - ‘Media format conversion’
- Get it into Release 6

Proposed Process

- Get Transcoding Interface support by T2 SWG3
 - Not necessarily *this* proposal...
 - Send positive LS back to GSM Association and SAI
 - If necessary, propose additional requirements to SAI
 - Elaborate in T2 (SWG3)
- > Similar to MM7

Requirements

- Requirements expressed for transcoding
 - GSM Association
 - LS: T2-020629
- Requirement expressed for standardization
 - SAI
 - GSM Association (Operators)
 - LS T2-0200629
 - MMSC vendors
 - Transcoder vendors

Transcoding Services background

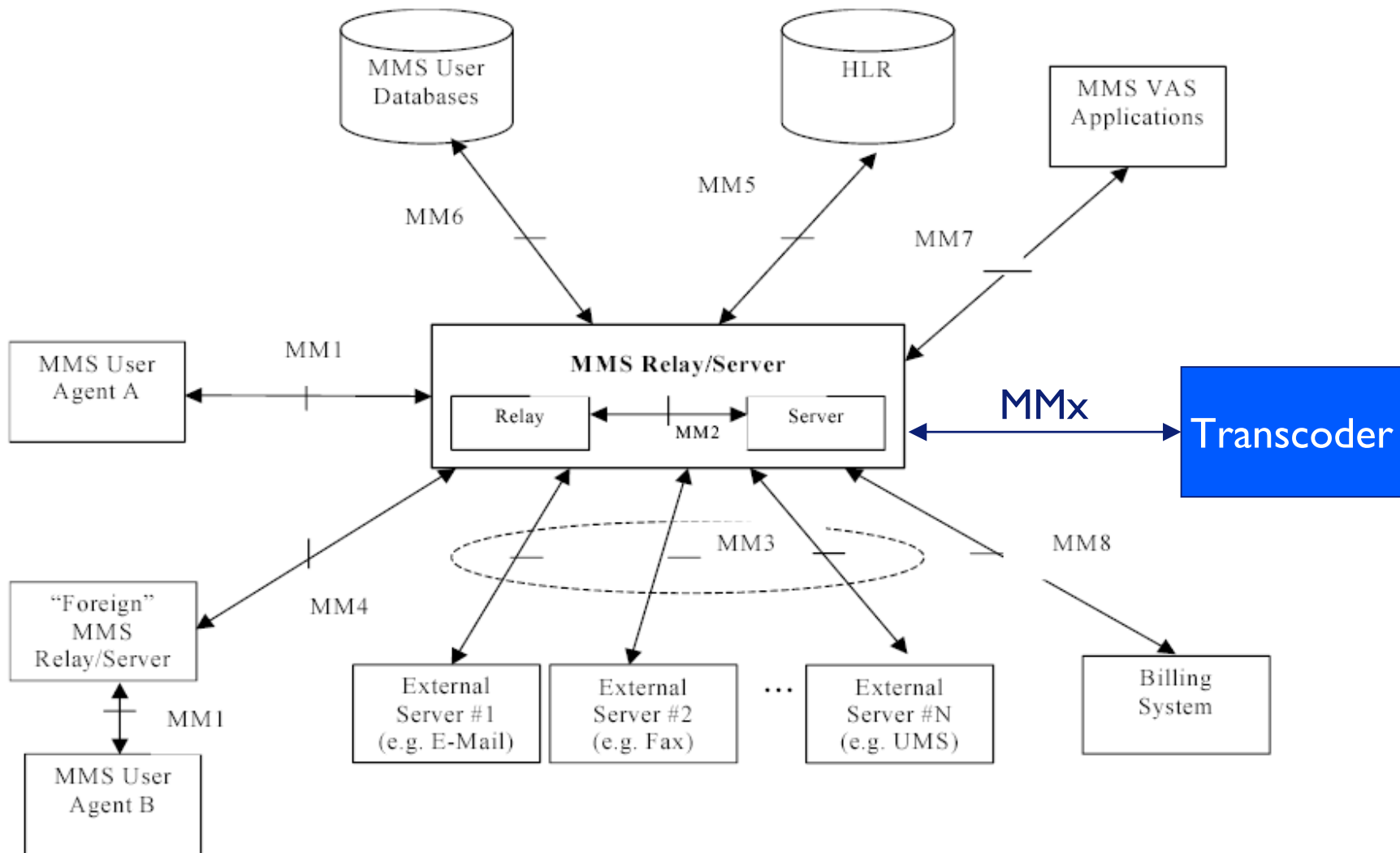
- Mobile multimedia is characterized by
 - Diversification of terminal media profiles
 - Diversification of media content profiles
 - Unpredictable network resources needed
- Transcoding
“The adaptation of source media to match the destination profile”
- Transcoding services are needed for various applications
 - MMS, Media Download servers, Portals, rich-media games, et cetera

Transcoding Services

- Multimedia Transcoding
 - Adaptation of content to
 - Various media formats
 - Resolutions
 - Color depths
 - File sizes
 - Terminal specific implementations
 - Et cetera

Why standardize

- Central transcoding service may be used in support of all kinds of applications, including MMS
- Operator will gain from the general purpose platform with a generic interface
 - Get Best-of-Breed
- Standard interface will allow the transcoding platform to evolve into a general platform



A sample interface document

- Joint CMG, Mobixell, Philips interface
- Royalty and IPR free
- Actively being used in the market
 - Trials, not commercial
- Time to start working on standardization is yesterday!

Interface Principles

- Transcoding control data is delivered in SOAP messages over HTTP
- Actual media parts are delivered in SOAP attachments OR external references (URL)
- SOAP and potential included media are wrapped in MIME
- Multiple transcoding requests can be put in one Transaction
- Supported Media cover Images, Audio, (Video,) Presentation
 - No streaming (yet)

Transcoding Interface and MM7

- Similarities
(Implementation advantages)
 - SOAP over HTTP
- Differences
(Raison d'être)
 - Parameters
 - Message versus Media level
 - Authentication?

Conclusions

- Informative presentation for T2 (SWG 3)
 - We welcome feedback!
- We are asking 3GPP (T2, SWG3) to define MM9(?) and start working on a transcoding interface standard

Thank you