

Internet Unified Messaging Requirements to Support Diverse Clients

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Draft: draft-wong-umcli-01.txt

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Draft History

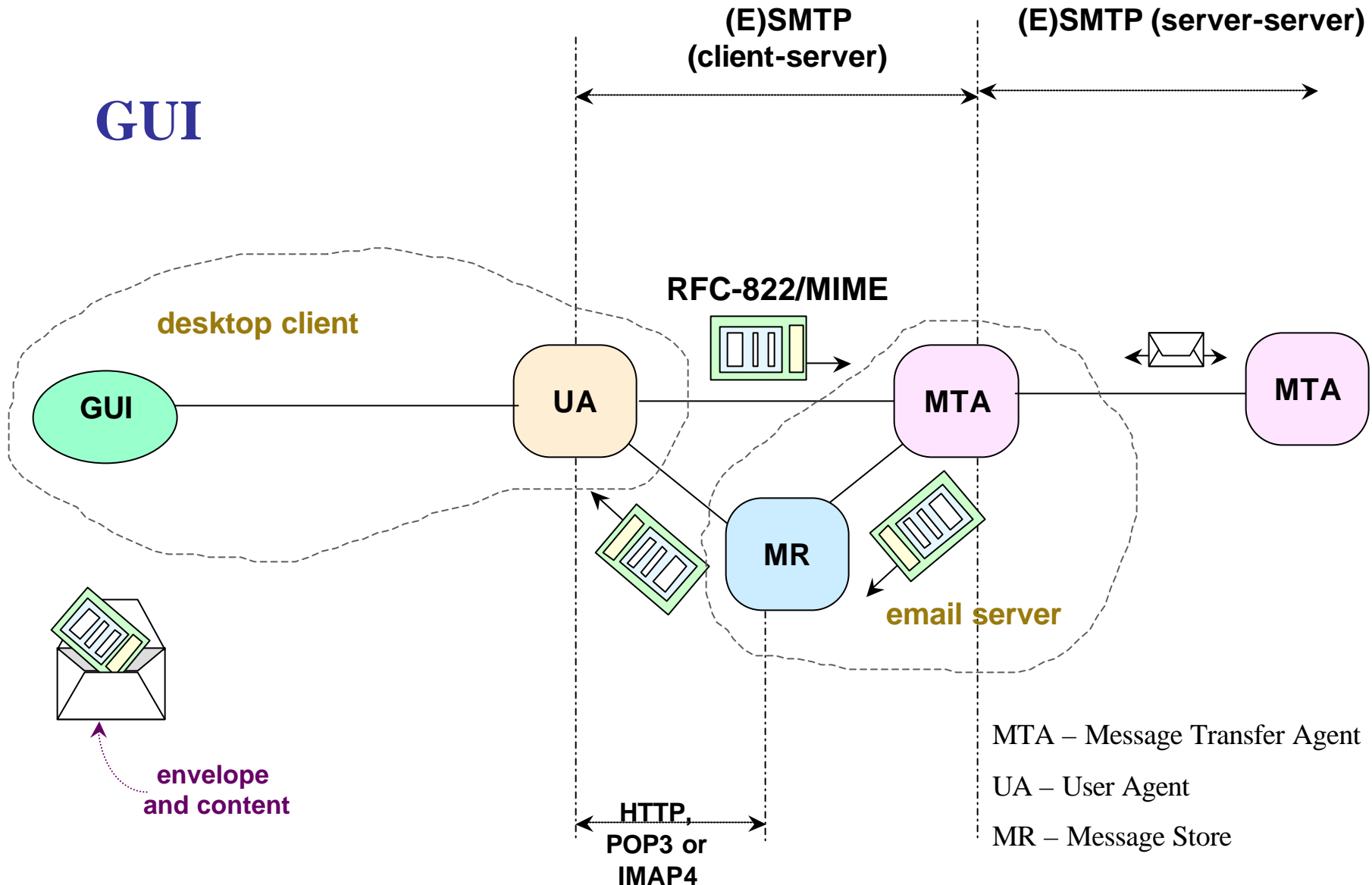
- compiled from:
 - draft-burger-um-reqts-00.txt
 - draft-vaudreuil-um-issues-00.txt
 - draft-wong-umcli-00.txt
- 4 sections:
 - E-mail standards evolution survey
 - Client Models for E-mail profiles
 - General UM Design Principles
 - Detailed Requirements

E-mail standards evolution survey

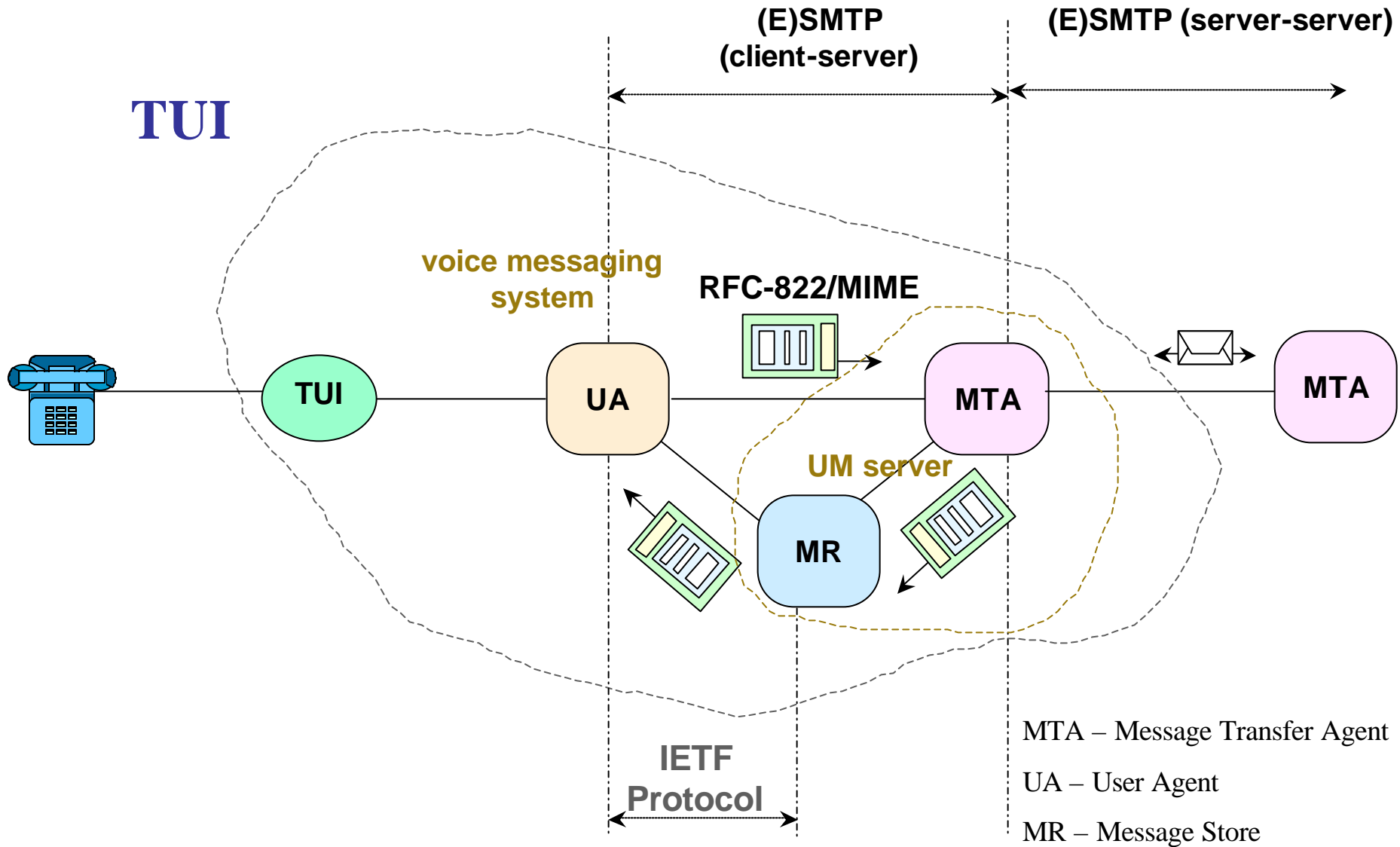
- Evolutionary Mission
 - SMTP and MIME extensions
 - POP3 and IMAP4 clients
 - Client Submission profiles for VPIM/IVM
 - Web browsers -- 3rd party email clients
 - Client Retrieval profiles for VPIM/IVM
 - Web browsers -- Thin clients
 - Multi-modal -- Mobile

Issue: Have we neglected to cite other relevant contributions?

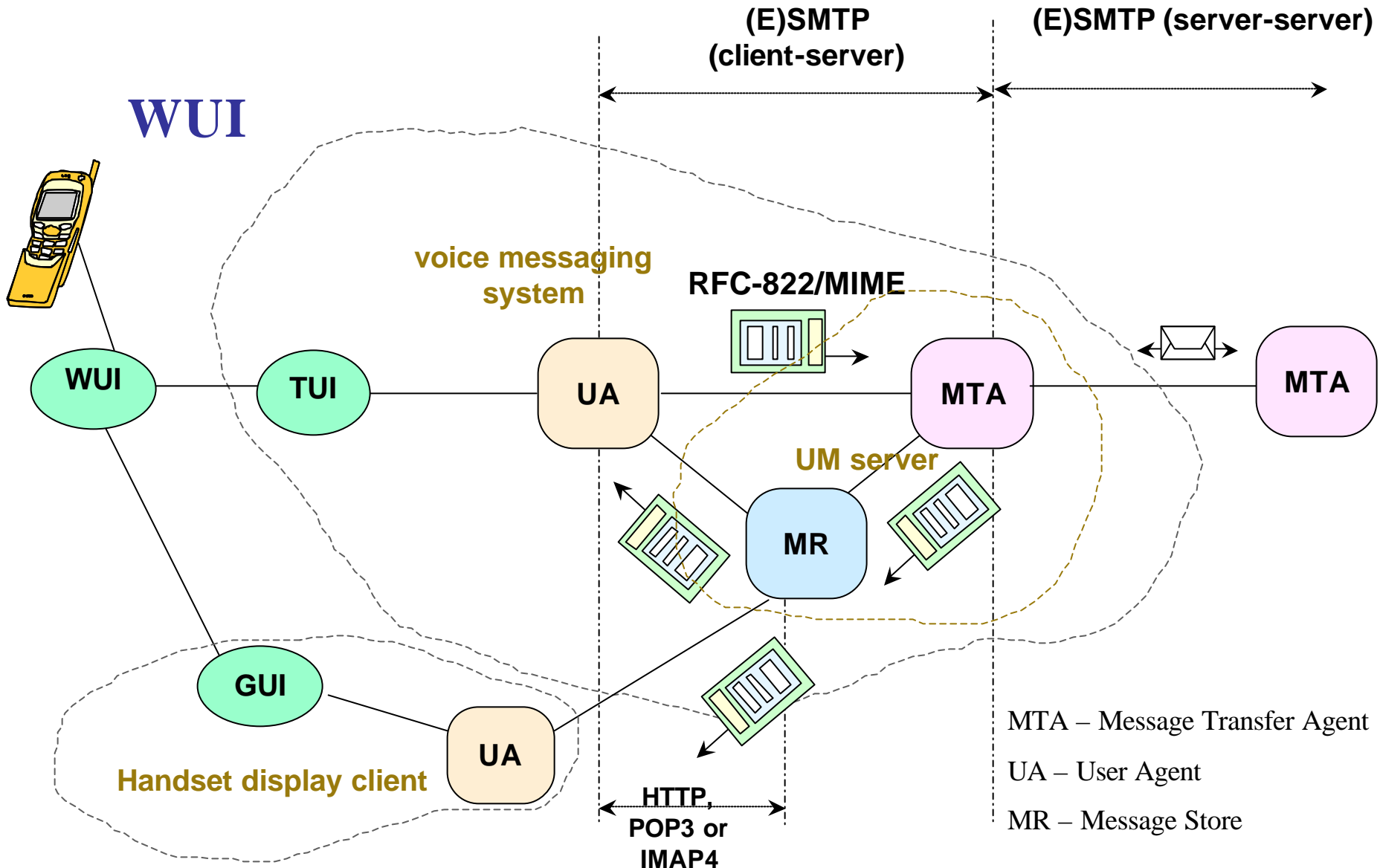
Internet Messaging Client Models: GUI



Internet Messaging Client Models: TUI



Internet Messaging Client Models: WUI



General UM Design Principles

- Reuse Existing Protocols
- Maintain Protocol Integrity
- Sensible Message Context
- Preserve Internet Infrastructure
- Meet Near-Real-Time Telephony Requirements
- Be Scalable, esp. for Video
- Provide user functionality as close as possible to that experienced using a separate traditional mode

Are there other UM design principles?

Detailed Requirements Summary

- Performance Requirements in Retrieval
 - Real-time Playback
 - Avoid Base-64 Data inflation
- Functional Limitations in Retrieval
 - Context in mailbox summary
 - Context in mailbox sort
 - Context in mailbox quota
 - Functional mailbox conventions& support
 - Inbox, sent items, deleted items, expired item
 - CLID Restriction indication / preservation
 - Committed delivery to full mailbox
- Message Submission Limitations
 - Forward without download
 - Quota by context enforcement
 - Future Delivery Support
- Notification
 - Message Store to Notification protocol

Detailed Requirements Summary

- Performance Requirements: Message Submission Limitations
 - Functional Requirements: Message Submission Limitations
- Issue: Additional requirements, especially for WUI? protocol