

VPIM

Voice Profile for Internet Mail

<http://www.vpim.org>

**IETF WG
co-chairs:**

**John Noerenberg <jwn2@qualcomm.com>
Glenn Parsons <gparsons@nortelnetworks.com>**

**Mailing list:
To subscribe:**

**vpim@lists.neystadt.org
send a message to majordomo@ lists.neystadt.org
with 'subscribe VPIM' as the body**

VPIM WG at IETF 48

- TUESDAY, August 1, 2000
 - 1545-1645 Afternoon Sessions III
APP vpim Voice Profile for Internet Mail WG
 - 1700-1800 Afternoon Sessions IV
APP vpim Voice Profile for Internet Mail WG
- THURSDAY, August 3, 2000
 - 1530-1730 Afternoon Sessions II
APP vpim Voice Profile for Internet Mail WG

Agenda – Day 1

- 15:45 – Welcome & Agenda Bashing (5 min)
- 15:50 – Charter & WG status discussion (10 min)
- 16:00 – VPIM v2 (30 min)
 - Voice Profile for Internet Mail - version 2
 - draft-ietf-vpim-vpimv2r2-00.txt
 - Glenn Parsons & Greg Vaudreuil
 - SMTP Service Extensions for Transmission of Large and Binary MIME Messages
 - draft-vaudreuil-esmtp-binary2-01.txt
 - Greg Vaudreuil
 - MDN or DSN Drafts?
 - Greg Vaudreuil, Keith Moore, ...
 - Bakeoff
 - Glenn Parsons

Agenda – Day 1 (cont'd)

- 16:30 – Fax WG Update (Claudio Allocchio) (10 min)
 - Minimal GSTN & Fax Addressing in Internet Mail
 - draft-ietf-fax-minaddr-v2-01.txt
 - draft-ietf-fax-faxaddr-v2-01.txt
- 16:40 – VPIM Addressing (Glenn Parsons) (10 min)
 - draft-ema-vpim-address-01.txt
- 16:50 – IVM (70 min)
 - Goals for VPIM v3 ?
 - draft-ema-vpimv3-goals-01.txt
 - Internet Voice Messaging Stuart McRae
 - draft-ietf-vpim-ivm-00.txt
 - Critical Content of Internet Mail Eric Burger
 - draft-ietf-vpim-cc-00.txt
 - Content Hint for Internet Mail Eric Burger
 - draft-ietf-vpim-hint-00.txt

Agenda – Day 1 (cont'd)

- IVM (cont'd)
 - Partial Non-Delivery Notification Eric Burger
 - draft-ietf-vmim-pndn-00.txt
 - audio/wav with MS-GSM Codec Charles Eliot
 - draft-ema-vmim-wav-00.txt
 - draft-ema-vmim-wav-00.txt (deleted)
 - Voice Messaging IMAP Client Behavior Glenn Parsons
 - draft-ema-vmim-cb-00.txt

Agenda – Day 2

- 15:30 – Agenda Re-Bashing (5 min)
- 15:35 – SIP WG Update (Rohan Mahy) (10 min)
 - SIP Extensions for Message Waiting Indication
 - draft-mahy-sip-message-waiting-00.txt
- 15:45 – ENUM WG Update (Richard Shockey) (25 min)
 - ENUM Service Specific Provisioning: Principles of Operation
 - draft-ietf-enum-operation-00.txt
 - E.164 number and DNS
 - draft-ietf-enum-e164-dns-02.txt
 - Internet-Telephony Directory for Mapping E.164 to Internet Addresses
 - draft-peek-enum-itd-00.txt

Agenda – Day 2 (cont'd)

- 16:10 – VPIM Directory (Greg Vaudreuil) (30 min)
 - Voice Messaging Directory Service (schema)
 - draft-ietf-vmim-vmimdir-00.txt
 - Voice Message Routing Service
 - draft-ietf-vmim-routing-00.txt
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 - Calling Line Identification for VPIM Messages
 - draft-ema-vmim-clid-00.txt
 - Voice Messaging IMAP Client Behaviour
 - Draft-ema-vmim-cb-00.txt

Agenda – Day 2 (cont'd)

- VPIM Addenda (cont'd)
 - SMTP Service Extensions for Transmission of Large and Binary Message Headers
 - draft-vaudreuil-binaryheaders-00.txt
 - RESCAP Scenarios
 - draft-ietf-rescap-scenarios-00.txt
 - MIME content types in media feature expressions
 - draft-ietf-conneg-feature-type-03.txt
- 17:10 – Revisit IVM Discussion (20 mins)

WG Status

- VPIM is a Work Group!
- WG Chairs
 - Glenn Parsons & John Noerenberg
- WG Charter
 - Details correct?
 - Milestones need minor updating

VPIM WG Milestones

Jun 00	Document interworking VPIM v2 implementations
Jul 00	Issue updated Internet Drafts of IVM/VPIM v3 Goals, IVM/VPIM v3 Specification and related
Aug 00	Issue updated Internet Drafts of VPIM addressing
Aug 00	Issue updated Internet Drafts of VPIM directory
Aug 00	Issue updated VPIM v2 Internet Draft
Aug 00	WG last call on VPIM v3 Goals as Informational RFC
Sep 00	Issue updated Internet Drafts of VPIM IMAP extensions
Sep 00	Issue revised VPIM v3 Specification and related protocol documents as Internet Drafts
Oct 00	WG last call on IVM/VPIM v3 Specification and related protocol documents as Proposed Standards RFCs
Oct 00	Submit IVM/VPIM v3 Goals to IESG for consideration as Informational RFC
Oct 00	Submit VPIM addressing to IESG for consideration as a Proposed Standard
Oct 00	WG last call on revised VPIM v2 for Draft Standard
Nov 00	Submit VPIM v2 to IESG for consideration as a Draft Standard RFC
Nov 00	Submit IVM/VPIM v3 et al to IESG for consideration as a Proposed Standard
Nov 00	WG last call on VPIM IMAP extensions as Standards Track RFC
Dec 00	Submit VPIM IMAP extensions to IESG for consideration as Standards Track RFC
Dec 00	WG last call on VPIM addressing as Standards Track RFC
Dec 00	WG last call on VPIM directory profile as Standards Track RFC
Jan 01	Submit VPIM addressing to IESG for consideration as Standards Track RFC
Jan 01	Submit VPIM directory to IESG for consideration as Standards Track RFC
Jan 01	WG last call on IVM/VPIM v3 content negotiation as Proposed Standard RFC
Feb 01	Submit VPIM content negotiation to IESG for consideration as Proposed Standard RFC
Mar 01	Review final work items and close

VPIM WG Topics

VPIM v2

- VPIM v2 revision

IVM / VPIM v3

- IVM goals
- IVM profile
- Partial NDN
- Critical content
- Primary content/Hint
- Codec - MS-GSM with WAV header

VPIM Addenda

- VPIM addressing
- VPIM directory schema
- VPIM directory architecture (ENUM)
- VPIM IMAP extensions
- Content Negotiation for voice messaging

VPIM v2 Status

- Approved by IETF as a Proposed Standard in September 1998
- Next steps...
 - Fix specification
 - Clarify ambiguities in VPIM v2
 - All normative (MUST & SHOULD) references to Draft Standards
 - Document interoperability
 - Inter vendor testing
 - Ensure all mandatory features implemented & interoperable
 - Propose progression to Draft Standard

VPIM v2 References

(MUST, SHOULD)

- Standard - SMTP, MAIL, DNS, ...
- Draft Standard - Pipelining, MIME, ...
- Proposed Standard
 - Content duration, multipart/voice-message, audio/32kadpcm --> **push**
 - image/tiff -----> **Fax WG pushing**
 - vCard, text/directory -----> **delete**
 - DSN, MDN, Enhanced Status Codes -----> **push**
- Experimental - Binary -----> **push**
- Informational - TIFF-F
- ITU-T Standard - E.164, G.726

VPIM v2 Revision

<draft-ietf-vpim-vpimv2r2-00.txt>

Glenn Parsons & Greg Vauderuil

SMTP Service Extensions for Transmission of Large and Binary MIME Messages

<draft-vaudreuil-esmtp-binary2-01.txt>

Greg Vauderuil

VPIM v2 Interoperability Website

- Process onus on vendor
 - No test labs, no policing, no sticker -- casual interop testing
 - Declaration of Compatibility
 - List all features implemented
 - Declaration of Interoperability
 - Results of inter-vendor testing
 - EMA is Registrar and repository of Declarations
- Results to be formatted to support VPIM v2 as a Draft Standard
- VPIM v2 Bakeoff - August 17-18

<http://www.vpim.org/conformance/conformance.html>

Minimal GSTN & Fax Addressing in Internet Mail

<draft-ietf-fax-minaddr-v2-01.txt>

<draft-ietf-fax-faxaddr-v2-01.txt>

Claudio Allocchio

VPIM Addressing

<draft-ema-vpim-address-01.txt>

Glenn Parsons

This document lists the various VPIM email addresses that are currently in common use and defines several new address formats for special case usage.

VPIM v2 Addresses

- **Mailbox**

- for use as a private numbering plan (any number of digits)
- e.g. 5552722@lucent.com, 6137637582@nortelnetworks.com

- **Mailbox Number+extension**

- for use as a private numbering plan with extensions any number of digits, use of ‘+’ as separator
- e.g. 5552722+111@lucent.com

- **+international number**

- for international telephone numbers conforming to E.164 - maximum of 15 digits
- e.g. +16137637582@nortelnetworks.com

- **+international number+extension**

- for international telephone numbers conforming to E.164 - maximum of 15 digits, with an extension (e.g. behind a PBX) that has a maximum of 15 digits.
- - e.g. +17035245550+230@ema.org

VPIM Addresses

Onramp/Offramp - RFC2303 based

- **VPIM=**
 - Onramp/client submission to a VPIM v2 addressing gateway
 - E.g., `vpim=6137637582@gateway.net`
- **VOICE=**
 - Offramp to voice delivery via out call
 - E.g., `voice=2125551234@bellatlantic.net`
- **AMIS=**
 - Offramp gateway address to AMIS systems
 - E.g.,
`amis=+1+401+3278144+/sysnum=+1+401+3279542+@company.com`
- **FAX=**
 - Offramp to fax terminal (per Fax WG and RFC 2304)

Internet Voice Mail (IVM)

- Original goal of VPIM v3
 - Make email behave like voice mail
 - More practical to design a new voice mail that behaves like email
- IVM - the new voice mail
 - One codec
 - Backwards compatibility with VPIM v2 is optional (but would be a good idea :-)
 - New features for all email
 - Primary/Critical content indication
 - Partial NDN

IVM/VPIM v3 Goals

<draft-ema-vpimv3-goals-01.txt>

Laile Di Silvestro

Rod Miles

This document describes the goals of the Voice Profile for Internet Messaging (VPIM), Version 3 and establishes a baseline of desired functionality against which proposed MIME profiles for Internet voice messaging can be judged.

VPIM v3 Goals Summary

- Interoperability
 - Desktop clients
 - Voice messaging systems
 - Unified messaging systems
 - Traditional email servers
- Conformance to existing standards
 - DRUMS (RFC822 et al)
 - VPIM v2
- Backward compatibility
 - v3 should be a superset of v2
- Robustness
 - messages survive through gateways to AMIS-A, etc.

Internet Voice Messaging

<draft-ietf-vpim-ivm-00.txt>

Stuart McRae & Glenn Parsons

Partial Non-Delivery Notifications

<draft-ietf-vpim-pndn-00.txt>

Eric Burger

This document describes the interaction between systems sending multi-part Internet mail to systems that cannot render parts of the sent message. In particular, this document describes an extension to the Delivery Status Notification mechanism.

Critical Content of Internet Mail

<draft-ietf-vpim-cc-00.txt>

Eric Burger

VPIM

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David Peek

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SIP WG Update

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Graham Klyne

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Eric Burger

Voice Messaging IMAP Client Behaviour

<draft-ema-vpim-cb-00.txt>

Derrick Dunne & Glenn Parsons

audio/msgsm Specification

<draft-ema-vpim-msgsm-00.txt>

Greg Baribault, Erik Hedberg & Laile Di Silvestro

This document describes a new audio content type for Microsoft GSM -- a common desktop codec -- for use with VPIM v3. The differences from ETSI GSM 6.10 are also described.

audio/wav Specification

<draft-ema-vpim-wav-00.txt>

Greg Baribault & Laile Di Silvestro

This document describes the audio content type for carrying Microsoft WAV audio files. This formalizes a long used defacto content type.

BTW, this document is wrong!

Microsoft statement

- Still interested in finalizing WAV & MS-GSM documents
- Charles Eliot's view:
 - VPIM WG should move forward on the assumption that WAV will not be a problem with the Microsoft legal folks.
 - The VPIM WG should, however, discuss alternatives to MS-GSM in case I have trouble pushing that one through.

Baseline Codec Discussion...

- VPIM v2
 - G.726 (audio/32kadpcm)
- VPIM v3
 - G.726, MS-GSM/WAV, G.711
- IVM (current proposal)
 - MS-GSM/WAV
- IVM (new proposal / revised old proposal)
 - G.711 (audio/basic)

VPIM Addenda

Glenn Parsons

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Content Negotiation

- Determine recipient or mailbox capabilities before composing (or sending a message)
 - voice only
 - Codec support
 - Storage capacity
- Can be in conjunction with addressing lookup
- Based on CONNEG, RESCAP or LDAP?

What's Next?

- Work on specifications
- Discussion on the Mailing List
- Next Meetings
 - EMA VPIM meeting - August in Seattle
 - EMA VPIM v2 bakeoff - August in Boston
 - EMA VPIM meeting - September in Snowbird, UT
 - VMA - October in Poland ?
 - TMIA- November in Florida ?
 - IETF VPIM WG - December in San Diego

WG Focus

- VPIM v2 progression to Draft Standard
 - revision of documents
 - documentation of interoperability
- Internet Voice Messaging (IVM)
 - Goals
 - Critical Content
 - Partial MDN & DSN
 - Core Specification
 - Content Hint
 - Codec: MS-GSM/WAV
- VPIM Addenda
 - Addressing
 - Directory Profile & Schema
 - IMAP Extensions
 - Content Negotiation

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