

VPIM

Voice Profile for Internet Mail

<http://www.ema.org/vpim>
<http://www.vpim.org>

VPIM WG chair: Glenn Parsons <gparsons@nortelnetworks.com>

Mailing list: vpim@lists.neystadt.org
To subscribe: send a message to majordomo@lists.neystadt.org
with 'subscribe VPIM' as the body

Agenda

- 03:30 – Welcome & Agenda Bashing (5 min)
- 03:35 – Charter & Milestone discussion (5 min)
- 03:40 – VPIM v2 r2 (5 min)
- Voice Profile for Internet Mail - version 2 (RFC Editor) (Greg Vaudreuil)
 - draft-ietf-vpim-vpimv2r2-05.txt Feb 18, 2002
 - draft-ietf-vpim-vpimv2r2-32k-03.txt Feb 15, 2002
 - draft-ietf-vpim-vpimv2r2-dur-03.txt Feb 15, 2002
- MDN drafts (Tony Hansen/Greg Vaudreuil)
 - draft-vaudreuil-mdnbis-01.txt Nov 4, 2001
- DSN drafts (Greg Vaudreuil)
 - draft-moore-1891bis-00.txt June 21, 2001
 - draft-vaudreuil-1892bis-00.txt June 15, 2001
 - draft-vaudreuil-1893bis-00.txt June 15, 2001
 - draft-vaudreuil-1893ext-01.txt Nov 6, 2001

Agenda (cont'd)

- 03:45 – VPIM Addressing (IESG review) (Glenn Parsons) (5 min)
 - draft-ietf-vpim-address-02.txt Oct 26, 2001
- 03:50 - ENUM Update (Richard Shockey) (5 min)
- 03:55 – VPIM Directory (Greg Vaudreuil) (5 min)
 - Voice Messaging Directory Service (schema)
 - draft-ietf-vpim-vpimdir-02.txt Feb 15, 2002
 - Voice Message Routing Service
 - draft-ietf-vpim-routing-02.txt Oct 29, 2001

Agenda (cont'd)

- 4:00 – IVM (45 min)
 - Goals for Internet Voice Mail (Emily Candell)
 - draft-ietf-vpim-ivm-goals-03.txt June 15, 2001
 - Internet Voice Messaging (Stuart McRae)
 - draft-ietf-vpim-ivm-03.txt Nov 29, 2001
 - Critical Content of Internet Mail (Eric Burger)
 - draft-ietf-vpim-cc-05.txt March 1, 2002
 - Message Context for Internet Mail (Eric Burger)
 - draft-ietf-vpim-hint-07.txt June 5, 2001 (Expired)
 - audio/wav with MS-GSM vs. audio/basic with mu-law (Charles Eliot)
 - draft-ema-vpim-msgsm-00.txt April 1, 1999 (deleted)
 - draft-ema-vpim-wav-00.txt June 20, 1999 (deleted)

Agenda (cont'd)

- 4:45 – VPIM Addenda (20 min)
 - BINARY & CHANNEL IMAP extensions for VPIM Messages (Lyndon Nerenberg)
 - Draft-nerenberg-imap-binary-05.txt Sept 20, 2001
 - Draft-nerenberg-imap-channel-01.txt Nov 27, 2001
 - Draft-burger-imap-chanuse-00.txt Feb 27, 2002
 - Draft-segmuller-imap-structure-00.txt April, 2001
 - Calling Line Identification for VPIM Messages (Glenn Parsons)
 - draft-ema-vpim-clid-03.txt Mar 7, 2002
 - Voice Messaging IMAP Client Behaviour (Glenn Parsons)
 - draft-ema-vpim-cb-02.txt July 18, 2001
 - SIP MWI (Rohan Mahy)
 - draft-sipping-message-waiting-00.txt Nov 14, 2001
 - Splitting Notification format from transport (Noam Shapira)
 - draft-shapira-snap-03.txt Mar 1, 2001
- 5:05 - VPIM Re Charter Discussion (20 min)
- 5:25 – Wrap Up (5 min)

EMA Forum

- EMA Forum is the website host
 - <http://www.vpim.org>
 - <http://www.ema.org/vpim>
- EMA transferred to The Open Group in January 2001
 - EMA Forum -- <http://www.ema.org>
- VPIM WG in the EMA Forum
 - Marketing and Education
 - Sponsor of interop testing events
 - Maintainer of VPIM Test Suite
 - Registrar for VPIM v2 Declarations
 - Repository for VPIM interop testing information

VPIM WG Topics

VPIM v2

- VPIM v2 revision

IVM

- IVM goals
- IVM profile
- Critical Content
- Message Context
- Codec
 - MS-GSMasWAV
 - G.711as raw
- IVM - VPIM v2 interworking

VPIM Addenda

- VPIM addressing
- VPIM directory schema
- VPIM directory architecture (ENUM)
- VPIM client extensions
 - IMAP Binary
 - IMAP Alternate channel
 - CLID
 - Client behaviour
 - Notifications

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 Milestones

IETF 49

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

Revised VPIM WG Milestones

IETF 50

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

Revised VPIM WG Milestones

IETF 51

- Done Document interworking VPIM v2 implementations
- Done Issue updated Internet Drafts of IVM Goals, IVM Specification and related
- Done Issue updated Internet Drafts of VPIM addressing
- Done Issue updated Internet Drafts of VPIM directory
- Done Issue updated VPIM v2 Internet Draft
- Done WG last call on IVM Goals as Informational RFC
- Done Issue updated Internet Drafts of VPIM IMAP extensions
- Done Issue revised IVM Specification and related protocol documents as Internet Drafts
- Aug 01 WG last call on IVM Specification and related protocol documents as Proposed Standards RFCs
- Done Submit IVM Goals to IESG for consideration as Informational RFC

- Done WG last call on revised VPIM v2 for Draft Standard
- Done Submit VPIM v2 to IESG for consideration as a Draft Standard RFC
- Sep 01 Submit IVM et al to IESG for consideration as a Proposed Standard
- Sep 01 WG last call on VPIM client extensions as Standards Track RFC
- Oct 01 Submit VPIM client extensions to IESG for consideration as Standards Track RFC
- Done WG last call on VPIM addressing as Standards Track RFC
- Sep 01 WG last call on VPIM directory profiles as Standards Track RFC
- Done Submit VPIM addressing to IESG for consideration as Standards Track RFC
- Oct 01 Submit VPIM directory to IESG for consideration as Standards Track RFC
- Nov 01 WG last call on IVM content negotiation as Proposed Standard RFC
- Nov 01 Submit VPIM content negotiation to IESG for consideration as Proposed Standard RFC
- Dec 01 Review final work items and close

Revised VPIM WG Milestones

IETF 52

- Done Document interworking VPIM v2 implementations
- Done Issue updated Internet Drafts of IVM Goals, IVM Specification and related
- Done Issue updated Internet Drafts of VPIM addressing
- Done Issue updated Internet Drafts of VPIM directory
- Done Issue updated VPIM v2 Internet Draft
- Done WG last call on IVM Goals as Informational RFC
- Done Issue updated Internet Drafts of VPIM IMAP extensions
- Done Issue revised IVM Specification and related protocol documents as Internet Drafts
- Dec 01 WG last call on IVM Specification and related protocol documents as Proposed Standards RFCs
- Done Submit IVM Goals to IESG for consideration as Informational RFC

- Done WG last call on revised VPIM v2 for Draft Standard
- Done Submit VPIM v2 to IESG for consideration as a Draft Standard RFC
- Jan 02 Submit IVM et al to IESG for consideration as a Proposed Standard
- Done WG last call on VPIM client extensions as Standards Track RFC
- Jan 02 Submit VPIM client extensions to IESG for consideration as Standards Track RFC
- Done WG last call on VPIM addressing as Standards Track RFC
- Jan 02 WG last call on VPIM directory profiles as Standards Track RFC
- Done Submit VPIM addressing to IESG for consideration as Standards Track RFC
- Feb 02 Submit VPIM directory to IESG for consideration as Standards Track RFC

- Mar 02 Review final work items and close

Revised VPIM WG Milestones

- Done Document interworking VPIM v2 implementations
- Done Issue updated Internet Drafts of IVM Goals, IVM Specification and related
- Done Issue updated Internet Drafts of VPIM addressing
- Done Issue updated Internet Drafts of VPIM directory
- Done Issue updated VPIM v2 Internet Draft
- Done WG last call on IVM Goals as Informational RFC
- Done Issue updated Internet Drafts of VPIM IMAP extensions
- Done Issue revised IVM Specification and related protocol documents as Internet Drafts
- Apr 02 WG last call on IVM Specification and related protocol documents as Proposed Standards RFCs
- Done Submit IVM Goals to IESG for consideration as Informational RFC

- Done WG last call on revised VPIM v2 for Draft Standard
- Done Submit VPIM v2 to IESG for consideration as a Draft Standard RFC
- May 02 Submit IVM et al to IESG for consideration as a Proposed Standard
- Done WG last call on VPIM client extensions as Standards Track RFC
- May 02 Submit VPIM client extensions to IESG for consideration as Standards Track RFC
- Done WG last call on VPIM addressing as Standards Track RFC
- May 02 WG last call on VPIM directory profiles as Standards Track RFC
- Done Submit VPIM addressing to IESG for consideration as Standards Track RFC
- Jun 02 Submit VPIM directory to IESG for consideration as Standards Track RFC

- Julr 02 Review final work items and close

VPIM v2 to Draft Standard Interoperability Website

- Process onus on vendor
 - Declaration of Compatibility
 - List all features implemented
 - Currently 15 listed products
 - Declaration of Interoperability
 - Results of inter-vendor testing
 - Currently 50 listed tests
 - EMA Forum is Registrar and repository of Declarations
- Volunteers to host another interop event???
- All Results & Draft Standard Interop Report
 - <http://www.ema.org/vpim/conformance/conformance.html>
 - <http://www.ietf.org/IESG/Implementations/VPIM-Implementation.txt>

VPIM v2 Revision

<draft-ietf-vpim-vpimv2r2-05.txt>

Glenn Parsons & Greg Vaudreuil

- WG last call completed May 16, 2001
- Sent for AD review June 6, 2001
- IETF last call ending Dec 31, 2001
- IESG review with minor comments Jan 28, 2002
- Reissue revised documents Feb 18, 2002

Toll Quality Voice - 32 kbit/s ADPCM MIME Sub-type Registration

<draft-ietf-vpim-vpimv2r2-32k-03.txt>

Glenn Parsons & Greg Vaudreuil

- WG last call completed May 16, 2001
- Sent for AD review June 6, 2001
- IETF last call ending Dec 31, 2001
- IESG review with minor comments Jan 28, 2002
- Reissue revised documents Feb 18, 2002

Content Duration

MIME Header Definition

<draft-ietf-vpim-vpimv2r2-dur-03.txt>

Glenn Parsons & Greg Vaudreuil

- WG last call completed May 16, 2001
- Sent for AD review June 6, 2001
- IETF last call ending Dec 31, 2001
- IESG review with minor comments Jan 28, 2002
- Reissue revised documents Feb 18, 2002

MDN Update for Draft Standard

`draft-vaudreuil-mdnbis-01.txt`

Tony Hansen & Greg Vaudreuil

DSN Update for Draft Standard

draft-moore-1891bis-01.txt
draft-vaudreuil-1892bis-01.txt
draft-vaudreuil-1893bis-01.txt
draft-vaudreuil-1894bis-01.txt

Keith Moore & Greg Vaudreuil

VPIM Addressing

<draft-ietf-vpim-address-02.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.

- **WG last call completed Dec 6, 2000**
- **Sent for AD review April 27, 2001**
- **IETF last call ends Dec 31, 2001**
- **IESG review?**

ENUM WG Update

Richard Shockey

Voice Messaging Directory Service

<draft-ietf-vpim-vpimdir-02.txt>

Greg Vaudreuil

Voice Messaging Routing Service

<draft-ietf-vpim-routing-02.txt>

Greg Vaudreuil

Internet Voice Mail

(IVM)

Goals for Internet Voice Mail

<draft-ietf-vpim-ivm-goals-03.txt>

Emily Candell

- WG last call completed May 25, 2001
- Sent for AD review June 19, 2001
- Approved, waiting for rest of IVM

Internet Voice Messaging

<draft-ietf-vpim-ivm-03.txt>

Stuart McRae & Glenn Parsons

- No changes...

Critical Content of Internet Mail

<draft-ietf-vpim-cc-05.txt>

Eric Burger

- WG last call completed June 18, 2001
- Sent for AD review July 9, 2001
- IETF Last Call requested Dec 2001
- IESG Review noted clash with RFC3204

Message Context for Internet Mail

<draft-ietf-vpim-hint-07.txt>

Eric Burger, Emily Candell, Charles Eliot & Graham Klyne

- WG last call completed June 18, 2001
- Sent for AD review July 9, 2001
- IETF Last Call requested Dec 2001
- IESG Review completed Feb 2002

IVM Codec Discussion

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!

Codec Consensus

Mandatory to receive and play

- MS-GSM as WAV
 - Audio/wav
- G.711 as raw
 - Audio/basic
- **Both** - consensus at IETF 50

What are the next steps?

- The drafts have not yet been updated
- Still awaiting final statement on Microsoft IPR

VPIM Addenda

IMAP Extensions Status

- Binary - draft-nerenberg-imap-binary-05.txt
 - Binary fetch of body parts
 - Will allow fetching real binary size
- Channel - draft-nerenberg-imap-channel-01.txt
 - Indication to send body part to another channel (e.g., RTSP)
- Channel Use - draft-burger-imap-chanuse-00.txt
 - Use cases for CHANNEL
- Structure - draft-segmuller-imap-structure-00.txt
 - Message structure querying

Calling Line Identification for VPIM Messages

<draft-ema-vpim-clid-03.txt>

Janusz Maruszak & Glenn Parsons

- WG last call to informational ended August 23, 2001
- Modification to structured syntax based on feedback
- Propose to WG last call again

Example

Minimal header for analog line CLID in unstructured header

```
To: +19725551212@vm1.mycompany.com
Caller-ID: 16137684087, NumberingPlan=e164
Caller-Name: Derrick Dunne
Date: Mon, 26 Aug 2000 10:20:20 -0700 (CDT)
MIME-Version: 1.0 (Voice 2.0)
Content-type: Multipart/Voice-Message; Version=2.0;
    Boundary="MessageBoundary"
Content-Transfer-Encoding: 7bit
Message-ID: 123456789@VM2.mycompany.com
```

Calling Line ID syntax modification

- “Caller-ID” header to hold caller’s phone number with **optional** semantic
 - International calls include full 15 digit address
 - Calls within North America to hold 10 digit number
 - Internal calls to hold caller’s extension, based on dialing plan
- Syntax:

```
"Caller-ID" ":" 1*DIGIT [ "," "NumberingPlan="
    ( "local" / "e164" / ietf-token / x-token ) ] CRLF
```

```
ietf-token := <An extension token defined by a
               standards-track RFC and registered with IANA.>
```

```
x-token := <The two characters "X-" or "x-" followed,
              with no intervening white space, by any token>
```

Voice Messaging IMAP Client Behaviour

<draft-ema-vpim-cb-02.txt>

Janusz Maruszak & Glenn Parsons

- WG last call to informational ended August 23, 2001
- AD review requested Sept 25, 2001
- ...

SIP MWI Update

SIP Extensions for Message Waiting Indication

<draft-sipping-message waiting-00.txt>

Rohan Mahy

- SIP EVENTS has cleared, proceeding to last call in SIPPING

SNAP

Simple Notification and Alarm Protocol

<draft-shapira-snap-03.txt>

Noam Shapira

VPIM Re-Charter

Current WG Focus

- VPIM v2 progression to Draft Standard
 - revision of VPIMv2 documents and [MDN & DSN](#)
 - documentation of interoperability
- Internet Voice Messaging (IVM)
 - Requirements/Goals
 - Critical Content
 - Codec
 - Core Specification
 - Message Context
 - IVM - VPIM v2 interworking
- VPIM Addenda
 - Addressing
 - ENUM Directory Profile
 - Client Behavior
 - [Notifications \(SIP MWI, SNAP\)](#)
 - [IMAP \(Binary, Channel\)](#)
 - Directory Schema
 - Calling Line ID

Proposed New Work on Pink Lemonade (UM)

- UM Requirements - Eric Burger
- UM Client Profile - Greg Vaudreuil
- 3GPP MMS update - Ileana Leuca
- WG Options

The WG Options for Pink Lemonade

1. Add on to FAX WG charter
2. Add on to VPIM WG charter
3. Create a WG with only the new UM work
-- leave FAX & VPIM to finish
4. Create a new WG that includes new UM
work plus remaining VPIM & FAX items

Possible Focus for Recharter of VPIM WG (option 4)

- VPIM v2 progression to Full Standard
- VPIM Directory progression to Draft Standard
- VPIM Addressing progression to Draft Standard
- IVM progression to Draft Standard
- VPIM v2 Implementor's Guide
- Client Submission profiles for VPIM
 - Web browsers
 - 3rd party email clients
- Client Retrieval profiles for VPIM
 - Web browsers
 - Thin clients
 - Multimodal
 - Mobile

Pink Lemonade proposal

Option 3

- VPIM & FAX WG are mostly the same constituency -- meet together at next IETF
- New Pink Lemonade BOF/WG on new topics
 - Same constituency but attract new blood
 - To subscribe, send the message "subscribe um" to `majordomo@snowshore.com`
 - Public archive is http://flyingfox.snowshore.com/um_archive/maillist.html