Overview

      The [MIME-DIR] document defines a MIME Content-Type for holding
      different kinds of directory information. The directory information
      can be based on any of a number of directory schemas. This document
      defines a [MIME-DIR] usage profile for conveying directory
      information based on one such schema; that of the white-pages type of
      person object.

digital sound; longitude and latitude geo-positioning information
related to the person associated with the directory entry; date and
time that the directory information was last updated; annotations
often written on a business card; Uniform Resource Locators (URL) for
a website; public key information. The profile also provides support
for non-standard extensions to the schema. This provides the
flexibility for implementations to augment the current capabilities
of the profile in a standardized way. More information about this
electronic business card format can be found in [VCARD].

1. The vCard Mime Directory Profile Registration

2.2 Predefined Type Parameter Usage

3.2.2 LABEL Type Definition

     To: ietf-mime-directory@imc.org

     Subject: Registration of text/directory MIME type LABEL

     Type name: LABEL

     Type purpose: To specify the formatted text corresponding to delivery
     address of the object the vCard represents.

     Type encoding: 8bit

     Type value: A single text value.

     Type special notes: The type value is formatted text that can be used
     to present a delivery address label for the vCard object. The type

3.3.2 EMAIL Type Definition

     To: ietf-mime-directory@imc.org

     Subject: Registration of text/directory MIME type EMAIL

     Type name: EMAIL

          AGENT:BEGIN:VCARD\nFN:Susan Thomas\nTEL:+1-919-555-
           1234\nEMAIL\;INTERNET:sthomas@host.com\nEND:VCARD\n

3.5.5 ORG Type Definition

    Type special notes: Implementations SHOULD use a method such as that
    specified for Formal Public Identifiers in ISO 9070 to assure that
    the text value is unique.

    Type example:

        PRODID:-//ONLINE DIRECTORY//NONSGML Version 1//EN

3.6.4 REV Type Definition

    To: ietf-mime-directory@imc.org

    Subject: Registration oiR@imc.org

Type special notes: The sort string is used to provide family name or given name text that is to be used in locale- or national-language-specific sorting of the formatted name and structured name types. Without this information, sorting algorithms could incorrectly sort this vCard within a sequence of sorted vCards. When this type is present in a vCard, then this family name or given name value is used for sorting the vCard.

Type examples: For the case of family name sorting, the following examples define common sort string usage with the FN and N types.

```
FN:Rene van der Harten
N:van der Harten;Rene;J.;Sir;R.D.O.N.
SORT-STRING:Harten

FN:Robert Pau Shou Chang
N:Pau;Shou Chang;Robert
SORT-STRING:Pau

FN:Osamu Koura
N:Koura;Osamu
SORT-STRING:Koura

FN:Oscar del Pozo
N:del Pozo Triscon;Oscar
SORT-STRING:Pozo

FN:Chistine d'Aboville
N:d'Aboville;Christine
SORT-STRING:Aboville
```

3.6.611 UUe UUwpsortse ol-lang -1,lle;Ch Trbina 0 data. Istineville

3.7.1 CLASS Type Definition

    To: ietf-mime-directory@imc.org

    Subject: Registration of text/directory MIME type CLASS

    Type name: CLASS

     Type special notes: The type can also include the type parameter TYPE
     to specify the public key or authentication certificate format. The
     parameter type should specify an IANA registered public key or
     authentication certificate format. The parameter type can also
     specify a non-standard format.

     Type example:

         KEY;ENCODING=b:MIICajCCAdOgAwIBAgICBEUwDQYJKoZIhvcNAQEEBQA
          wdzELMAkGA1UEBhMCVVMxLDAqBgNVBAoTI05ldHNjYXBlIENbW11bmljYX
          Rpb25zIENvcnBvcmF0aW9uMRwwGgYDVQQLExNJbmZvcm1hdGlvbiBTeXN0
          ZW1zMRwwGgYDVQQDExNyb290Y2EubmV0c2NhcGUuY29tMB4XDTk3MDYwNj
          E5NDc1OVoXDTk3MTIwMzE5NDc1OVowgYkxCzAJBgNVBAYTAlVTMSYwJAYD
          VQQKEx1OZXRzY2FwZSBDb21tdW5pY2F0aW9ucyBDb3JwLjEYMBYGA1UEAx
          MPVGltb3RoeSBBIEhvd2VzMSEwHwYJKoZIhvcNAQkBFhJob3dlc0BuZXRz
          Y2FwZS5jb20xFTATBgoJkiaJk/IsZAEBEwVob3dlczBcMA0GCSqGSIb3DQ
          EBAQUAA0sAMEgCQQC0JZf6wkg8pLMXHHCUvMfL5H6zjSk4vTTXZpYyrdN2

```
   CHAR        = %x01-7F
        ; Any C0 Controls and Basic Latin, excluding NULL from
        ; Code Charts, pages 7-6 through 7-9 in [UNICODE]

   CR          = %x0D
        ; Carriage Return

   LF          = %0A
        ; Line Feed

   CRLF        = CR LF
        ; Internet standard newline

   ;CTL        = %x00-1F / %x7F
        ; Controls. Not used, but referenced in comments.

   DIGIT       = %x30-39
        ; Digit Zero-Digit Nine

   DQUOTE      = %x22
        ; Quotation Mark

   HTAB        = %x09
        ; Horizontal Tabulation

   SP          = %x20
        ; space

   VCHAR       = %x21-7E
        ; Visible (printing) characters

   WSP         = SP / HTAB
        ; White Space

   ;*****************************************
   ; Basic vCard Definition
   ;*****************************************

   vcard_entity = 1*(vcard)

   vcard       = [group "."] "BEGIN" ":" "VCARD" 1*CRLF
                   1*(contentline)
        ;A vCard object MUST include the VERSION, FN and N types.
                   [group "."] "END" ":" "VCARD" 1*CRLF

   contentline = [group "."] name *(";" param ) ":" value CRLF
        ; When parsing a content line, folded lines must first
        ; be unfolded according to the unfolding procedure
```

```
              ; described above. When generating a content line, lines
              ; longer than 75 characters SHOULD be folded according to
              ; the folding procedure described in [MIME DIR].

      group         = 1*(ALPHA / DIGIT / "-")

      name          = iana-token / x-name
              ; Parsing of the param and value is
              ; based on the "name" or type identifier
              ; as defined in ABNF sections below

      iana-token  = 1*(ALPHA / DIGIT / "-")
              ; vCard type or parameter identifier regiroted in [MIME DIced Td de(A1 de(A3-7E d
```

```
   ;For name="NAME"
   param        = ""
        ; No parameters allowed

   value        = text-value

   ;For name="PROFILE"
   param        = ""
        ; No parameters allowed

   value        = text-value
        ; Value MUST be the case insensitive value "VCARD

   ;For name="SOURCE"
   param        = source-param
        ; No parameters allowed

   value        = uri

   source-param = ("VALUE" "=" "uri")
              / ("CONTEXT" "=" "word")
        ; Parameter value specifies the protocol context
        ; for the uri value.
              / (x-name "=" *SAFE-CHAR)

   ;For name="FN"
   ;This type MUST be included in a vCard object.
   param        = text-param
        ; Text parameters allowed

   value        = text-value

   ;For name="N"
   ;This type MUST be included in a vCard object.

   param        = text-param
        ; Text parameters allowed

   value        = n-value

   n-value      = 0*4(text-value *("," text-value) valrn= n-value

   value.
```

transported using one of these secure mechanisms.

The information in a vCard may become out of date. In cases where the