

vCard 4.0

[draft-ietf-vcarddav-vcardrev-13]

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Internationalized EMAIL

- What we have now:

EMAIL-value = addr-spec ; from [RFC5322] section 3.4.1

- Proposals:

- Replace “addr-spec” with “uAddr-spec” [draft-ietf-eai-rfc5335bis].
 - Allows UTF-8 email addresses.
 - Creates normative dependency on draft.
- Replace “addr-spec” with “text-value”.
 - Allows UTF-8, but does not enforce email address syntax.
 - No additional normative dependency.

Restoring N's format

- 4 components in vCard 4
 - Family names
 - Given names
 - Prefixes
 - Suffixes
- 5 components in vCard 3
 - Family name
 - Given name
 - Additional names
 - Prefixes
 - Suffixes
- Proposals:
 - Do nothing.
 - Add an empty component.
 - Go back to vCard 3.
 - ???

The DDAY, BIRTH, and DEATH properties

- Arguments against:
 - Not widely implemented.
 - Better suited for a genealogy extension.
- Arguments for:
 - Can be useful in address book apps.
 - DDAY is important in some cultures.
- Proposals:
 - Do nothing.
 - Remove them. (Variant: remove some of them.)
 - Rename DDAY to DECEASED and make it a boolean.

Remove fields from ADR

- Targeted fields:
 - post office box
 - extended address (e.g. apartment or suite number)
- Rationale: low usage.
- Proposals:
 - Do nothing
 - Keep the fields but MUST be empty
 - Remove the fields

Link LABEL to ADR

- Use case: multiple LABEL and ADR

ADR;;;123 Rue Principale;Québec;QC;G1Q 1Q9;Canada

ADR;;;456 Rue Secondaire;Québec;QC;A1B 2C3;Canada

LABEL:123 Rue Principale\nQuébec, QC, Canada\nG1Q 1Q9

LABEL:456 Rue Secondaire\nQuébec, QC, Canada\nA1B 2C3

- How to associate an ADR with the corresponding LABEL?
- Proposals:
 - Do nothing.
 - Use the group construct.
 - Remove LABEL, make it a component of ADR.
 - ???

Remove BINARY

- data: URI scheme defined in [RFC2397]
 - data:[<mediatype>][;base64],<data>
- This:

```
PHOTO;ENCODING=b;FMTPYPE=image/jpeg:MIICajCCAdOgAwIBAgICBEUwDQY  
JKoZIhvcNAQEEBQAwdzELMAkGA1UEBhMCVVMxLDAqBgNVBAoTI05ldHNjYXB1I  
ENvbW11bm1jYXRpb25zIENvcnBvcmlF0aW9uMRwwGgYDVQQLEXNJbmZvcmlhdG1  
&lt;...remainder of "B" encoded binary data...&gt;
```

would become this:

```
PHOTO:  
JKoZIhvcNAQEEBQAwdzELMAkGA1UEBhMCVVMxLDAqBgNVBAoTI05ldHNjYXB1I  
ENvbW11bm1jYXRpb25zIENvcnBvcmlF0aW9uMRwwGgYDVQQLEXNJbmZvcmlhdG1  
&lt;...remainder of "B" encoded binary data...&gt;
```

- Proposal: Remove the "binary" value-type and the "ENCODING" and "FMTPYPE" parameters. Make "uri" the default value type for the properties currently using "binary" as default.
 - Also solves the problem of not being able to have MIME parameters in FMTPYPE.

SEX semantics

- Currently, SEX refers to the biological sex, as defined in the ISO standard.
- Proposal: change the semantics. Make it refer to the psychological gender identity.
 - Argument for: this is what is useful for the purpose of address books and social information.
 - Argument against: cannot use the ISO standard for this. Need to research a good set of values.
- Proposal: allow the property value to be reset to free-form text.
 - Argument for: the most culturally-inclusive solution.
 - Argument against: probably not needed with current semantics.

(See next slide before discussing SEX.)

SEX values

- Proposal: change values (0,1,2,9) to (M,F,O,N,U) or (male,female,<free-form text>).
 - For: more readable.
 - Against: (0,1,2,9) is an ISO standard.
- Proposal: create GENDER-IDENTITY property, with text value.
- Proposal: add an optional component to SEX for listing gender identity, with text value.
- Proposal: rename SEX to GENDER.
 - For: more obvious, more often used in forms.
 - Against: "sex" is the term recommended by the ISO for referring to biological sex.

The TEL property

- The TEL property uses a URI in vCard 4.
- Proposal: revert to what was in vCard 3. Use the URL property for tel: URIs.
 - Argument for: backward compatibility.
 - Argument against: the benefits of the tel: URI over free-form text justify the incompatibility.

The CALSCALE parameter

- Arguments against:
 - No address book software currently implements this.
 - Having only a single pre-defined value ("gregorian") makes it useless.
- Arguments for:
 - AddressBook.app on Mac OS X implements this.
 - Lets you pick dates in non-Gregorian calendars, but writes out Gregorian dates because of lack of support in the protocol.
 - This is identical to the iCalendar CALSCALE property.
- Proposals:
 - Do nothing.
 - Drop the CALSCALE parameter.
 - Refer to iCalendar.
 - But there's no IANA registry.

Calendar Properties

- FBURL, CALADRURI, CALURI
- Proposal: drop them
 - Argument for: better suited for an extension
 - Argument against: "calendar information, in particular freebusy URLs are commonly included in contact apps that are part of PIM systems (once that including email, contacts and calendar into one)"

Date ranges

- Proposal: add EFFECTIVE parameter
 - Indicates when a given property is/was/will be effective.
 - Example use case: past employers listed in ORG
 - Value type (named "period") is a date range
e.g. <start>/<end>
 - Open-ended ranges: * or (nothing)
 - <start> is inclusive, <end> is exclusive
(like iCalendar DTSTART/DTEND)
- Proposal: restrict to date granularity
 - Argument for: should point to iCalendar otherwise

The KIND property

- Proposals (not mutually exclusive):
 1. Do nothing.
 2. Replace "group" value with BEGIN:VGROUP.
 3. Drop the "thing" value. (What does it mean exactly?)
 4. Replace "individual" with "person" (no change to semantics).
 5. Replace "group" with "list". Change semantics to "an address corresponding to a list of people (eg a mailing list)".
 6. Replace "thing" with "automated". Change semantics to "an automated system (eg a social network notifier, bank address)".

Drop the MEMBER property

- Argument for: "Groups should not be in vCard but rather should be in another spec/schema."
- Argument against: groups should be representable in vCard.
- Proposals:
 - Do nothing.
 - Drop it. (Along with the "group" KIND value I guess.)

The RELATED property

- Proposal: drop it.
 - Argument for: better suited for an extension.
 - Argument against: should be in core because it is widely implemented.
- Proposal: use the XFN 1.1 taxonomy
<<http://gmpg.org/xfn/11>>
- Proposal: allow a list of types
 - RELATED;TYPE=spouse,emergency:...
 - XFN 1.1 assumes this. But we need it even if we decide not to adopt XFN 1.1.

Synchronization

- Proposal: move section 7, the PID property, and the CLIENTPIDMAP property to a separate spec.
 - Argument against: the WG already decided to keep it in core.
 - Argument against: it's one of the key requirements for the v4 update.

CATEGORIES

- Proposal: allow URIs as text values to represent specifically scoped tags, with the last path segment of the URI representing the "keyword" of the tag.
 - e.g. CATEGORIES:<http://technorati.com/tag/tech>
 - Keyword is "tech".
 - See [<http://microformats.org/wiki/rel-tag>](http://microformats.org/wiki/rel-tag)

The VERSION parameter

- Unrelated to the VERSION property.
- Used only for the XML property.

`XML;VERSION=1.0:<foo>bar</foo>`

- Should not be used for anything else in the future.
- Proposals:
 - Do nothing.
 - Rename to XML-VERSION, make it specific to XML.
 - Drop it.

CLASS

- Proposal: drop it
 - Argument for: have seen no use for it in hCard

Case sensitivity

- Property and parameter names are case insensitive.
- However, in XML they must become case sensitive.
 - "The name of the property element is set to the lowercased name of the property."
- Current usage:
 - Upper-case seems to be most frequently encountered.
 - Examples in the text use upper-case.
- Proposal: output SHOULD be upper-case, input MUST be case-insensitive.

New ACCOUNT property

- Proposal: add an ACCOUNT property as follows...
 - Purpose: To specify the components of an account of the object the vCard represents.
 - Value type: A single structured text value. Each component can have one value.
 - Cardinality: (0-n)
 - Special note: The structured property value corresponds, in sequence, to the domain name, username, user-id , and canonical profile URL. The text components are separated by the SEMI-COLON character (ASCII decimal 59). This property is based on the semantics of the Portable Contacts Account property. The property SHOULD be present in the vCard object when one or more URLs for the object represent online profiles of the object.
- Argument against: better suited for a social networking extension.
- Argument against: there is work going on to define an acct: URI scheme

REV

- Takes a timestamp value
 - e.g. REV:19951031T222710Z
- Proposal: allow dates without time.

Cardinality notation

- Use something people may have seen before.
- Proposals:
 - UML
 - 1 exactly one instance must be present
 - 1..* at least one instance must be present
 - 0..1 at most one instance may be present
 - * any number of instances may be present
 - ABNF
 - 1 exactly one instance must be present
 - 1* at least one instance must be present
 - *1 at most one instance may be present
 - * any number of instances may be present