

# **draft-jscalendar-icalendar**

**IETF 113 Vienna, calext**

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# Status

- Errata for RFC 8984 (jscalendar)
- Implementation in Cyrus IMAP and Bedework
- New definitions for iCalendar and JSCalendar
- Mapping unknown properties
- Next steps

# Errata for RFC 8984

## Errata 6872

Adds the `excluded`, `excludedRecurrenceRules`, `recurrenceId`, `recurrenceIdTimeZone` and `recurrenceRules` properties to the list of shared properties of private events.

<https://www.rfc-editor.org/errata/eid6872>

## Errata 6873

Allow `recurrenceIdTimeZone` be null if `recurrenceId` is set (floating time!).

<https://www.rfc-editor.org/errata/eid6873>

# GEO Property

## New iCalendar Definitions

Allow URI value with geo: scheme defined in RFC 5870

Currently allowed value:

GEO:37.386013;-122.082932

Proposed additional value type:

GEO;VALUE=URI:geo:48.198634,16.371648;crs=wgs84;u=40

# JMAP-ID Property and Parameter

## New iCalendar Definitions

Maps the JMAP Id type (RFC 8620) from and to iCalendar

TEXT value, restricted to 255 bytes ASCII alphanumerics, “\_” and “-“

Can be set on a UID. This is useful if UID value doesn't follow RFC 7986 recommendation to use v4 UUID:

```
UID;JMAP-ID=43a34b99-9662-456e-b2f3-a41b11d6139a:novalid@jmapid
```

# CONTENT-ID Parameter

## New iCalendar Definitions

Allows to set a content-id on ATTACH and IMAGE

URI value, restricted to “cid:” scheme defined in RFC2392

```
ATTACH;CONTENT-ID="cid:foo@example.com";VALUE=BINARY:<b64data>
```

# LINK-RELATION Parameter

## New iCalendar Definitions

Defines how ATTACH or IMAGE relates to the iCalendar object.

TEXT value, allowed values in registry defined RFC 8288

<https://www.iana.org/assignments/link-relations/link-relations.xhtml>

# RELATED-TO Property

## New iCalendar Definitions

Adds the temporal START and END relation types to RELATED-TO property:

- This component relates to the start time of the related component
- This component relates to the end time of the related component

E.g. can map a VLOCATION to the start or end of the embedding VEVENT



# Location.uid and Participant.uid Property

## New JSCalendar Definitions

Adds the optional uid property to Location and Participant

Maps the VLOCATION UID property to JSCalendar

Maps the PARTICIPANT UID property to JSCalendar

# Participant

**No mapping to ATTENDEE or PARTICIPANT**

- scheduleSequence → define SCHEDULE-SEQUENCE parameter?
- scheduleUpdated → define SCHEDULE-DTSTAMP parameter?
- progressUpdate → define SUBSTATE-DTSTAMP parameter?

# PARTICIPANT

## No mapping to JSCalendar Participant

- CREATED
- LAST-MODIFIED, DTSTAMP
- PRIORITY
- SEQUENCE
- STATUS
- CATEGORIES
- COMMENT
- CONTACT
- REQUEST-STATUS
- RELATED
- RESOURCES
- RESOURCE component
- strucloc (where defined?)
- strucres (where defined?)
- STYLED-DESCRIPTION

# Mapping unknown properties

- JSCalendar defines IANA registry of standard properties per object type. If not registered at IANA, the “foo” property MUST be prefixed, e.g. “example.com/foo”.
- iCalendar components define a list of recommended properties, but they generally allow any iana-prop or other-prop in addition to x-props. Same for properties and parameters.

# Mapping unknown properties

## Approaches

1. Add new property to the data format where it is undefined. E.g: JMAP-ID. Makes semantics clear in both formats.
2. Map to an existing standard property in the other format. Works from JSCalendar to iCalendar. Does not work to JSCalendar, until registry is updated. E.g. PARTICIPANT.CREATED, but Participant.created does not exist.
3. Map property in a vendor extension in the other format, using a predefined vendor-prefix (e.g. "[rfc-editor.org/info/rfc5545/X-FOO](https://rfc-editor.org/info/rfc5545/X-FOO)"). Only useful to preserve unknown properties, but not work with them.

# Next steps

Interop testing

Update RFC. Define separate iCalendar and JSCalendar RFCs for new or changed properties?