iTIP issues

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Goals

- Revise iTIP 2446 to:
  - Clarify the specification.
  - Fix bugs.
  - Remove unused or poorly interoperable features.
  - We should not be shy about cutting things out here in the interests of simplicity.
Recurrence

- Handling recurring meetings:
  - Updates to one or more instances.
  - Updates to all future instances.
  - Cancels of one or more or a range of instances.
No more RANGE

- RANGE was removed from 2445bis.
- Proposal:
  - Remove (a) item in each CANCEL description.
  - State that cancel for “this and future” means using a REQUEST and sending the entire current set (for unbounded case).
No more RANGE

• Cannot use RANGE to change all future instances.

• Proposal:

• A change to all future instances means truncating the current recurrence set and then creating a new set with modifications applied.

• Perhaps use RELATED-TO?
SEQUENCE

- When does SEQUENCE change?
- It is being used for two purposes:
  - As a synchronization aid.
  - As an indicator that some significant changer took place and an attendee needs to take some action.
For synchronization we already have DTSTAMP. So let's just rely on that.

For a change indicator who is really the authority on what a “significant” change is?

The attendee always has to look at changes and make up their own mind. So SEQUENCE is superfluous there.
Proposal:

- Deprecate use of SEQUENCE.
• COUNTER/DECLINE-COUNTER rarely used.

• Can achieve COUNTER by declining a REQUEST and sending a comment suggesting an alternative.

• Proposal:
  • Remove COUNTER/DECLINE-COUNTER.
ADD/CANCEL

- Could be replaced by sending a REQUEST with the entire set with modifications done.

- Not very efficient for large set of instances.

- Best to keep these.
How to cancel more than one?

Text says multiple RECURRENCE-IDs can be used, but 2445(bis) disallows that.

Proposal: fix text to say only one RECURRENCE-ID may be sent.

Multiple CANCELs are done by including multiple components.
ADD

• Text for ADD is misleading.
  • Seems to hint that it can be used to modify existing instances.
  • Wrong! Can only add completely new instances with it.

• Proposal:
  • Clarify text.
• For both of these there is a lack of explanation as to exactly what the CUA does.
  • For a CANCEL - add an EXDATE
  • For an ADD - add an RDATE

• Proposal:
  • Fully explain the effect of these on the data already stored.
• **VFREEBUSY**

  • **REPLY** table requires **FREEBUSY 1+**, but what if free all the time?

  • **Proposal:**
    
    • Change table to **0+**.

  • Also should clarify that **FBTYPE** is never equal to **FREE**