

RTSP revision for Draft Standard

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Plan for revision of RTSP

- Original plan: complete in May, 2002
 - 30% chance of having spec done (less chance for having interop documented)
 - Currently trying to move to Draft Standard unless compelling reason to do otherwise
 - Moving more complex/less implemented features out of core specification and into extensions
- Bi-weekly teleconferences
 - Started in January 2002
 - Will continue until complete (April 3)
 - More info (such as agenda and minutes) at <http://rtsp.org/telecon>

Statistics so far (not *accurate* statistics, mind you...)

- 68 bugs and 8 feature requests filed
- Of the 68 bugs
 - 20 closed or marked fixed in CVS
 - 5 "large tasks"
 - 26 still to be discussed
 - 2 unfixed typos (of course, many more typos introduced in "00bis")
 - 11 uncategorized
 - 4 discussed with proposed resolutions
- 8 feature requests not discussed in detail

Big issues for Draft Standard

(1 of 2)

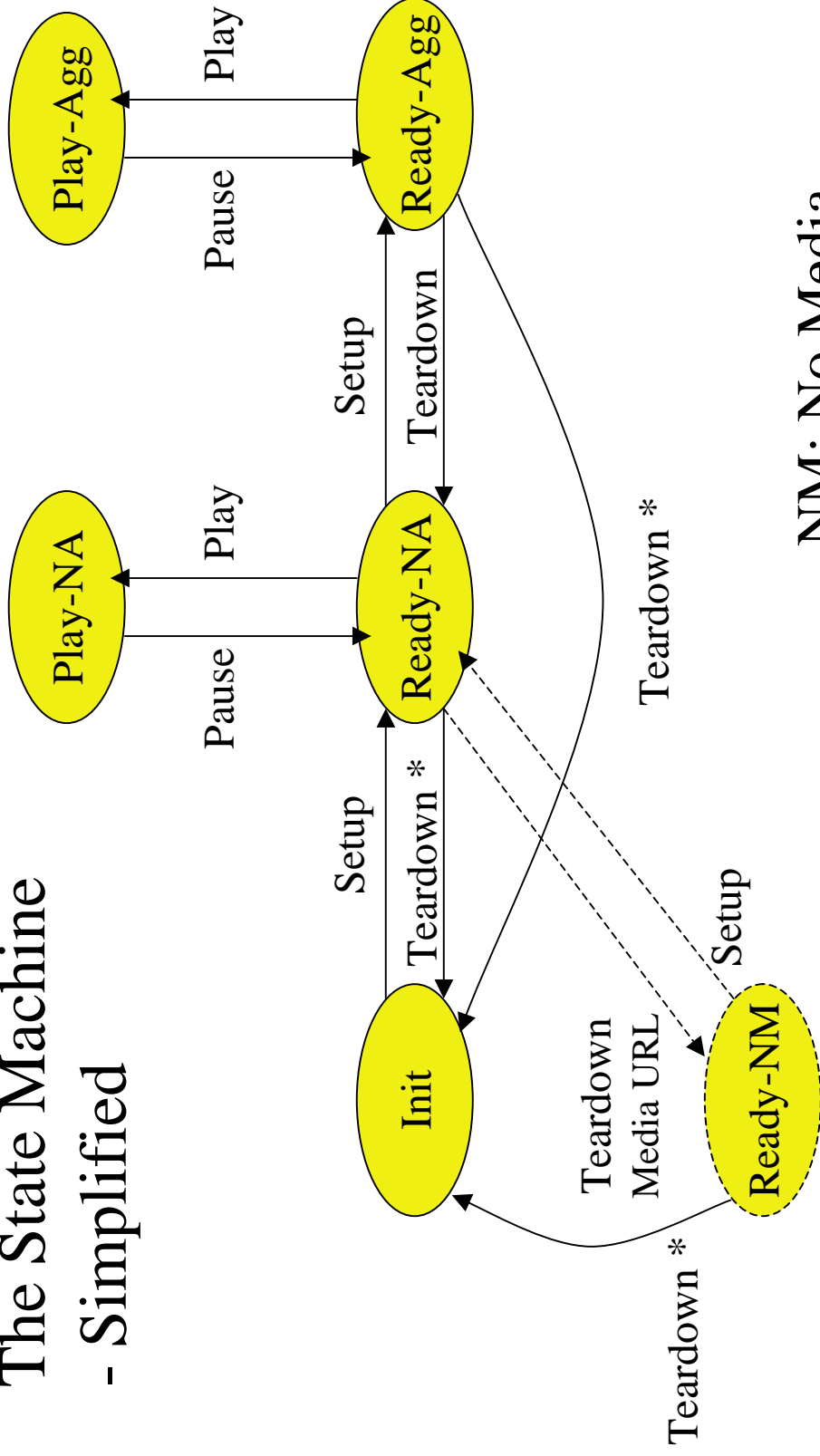
- Conclusions below are telecon consensus, not MMUSIC consensus
- Clarify aggregate/non-aggregate control
 - Reworked state machine
 - Remove automatic state machine transition at end of clip
- Should we eliminate queued play? (yes)
- RECORD....needs specification work from implementer (may need to drop)

Big issues for Draft Standard

(2 of 2)

- MUTE/UNMUTE proposal (replacing use of PAUSE for this purpose)
- Transport model requirements
 - Is persistent TCP mode required? (yes)
 - Is non-persistent TCP mode required? (no, will define feature tag and "Supported" header from SIP)
- Registration of feature tags for optional features (need to audit spec)

The State Machine - Simplified



NM: No Media

NA: Non-aggregated Control

Agg: Aggregated Control

Things that make the state machine more complex

- Queued play
 - Ability to issue successive PLAY requests without PAUSE (server responsible for handling requests serially)
 - Makes state machine **really** complex
 - Possible simplification for roughly same functionality: multiple range in PLAY
 - Current plan of record: out of core RTSP spec

Things that make the state machine more complex

- RECORD
 - Is ANNOUNCE required? How does one pair session ID to announcement?
 - Might be broken out if strong interest is not expressed
 - Who implements this?

Moving forward

- Lunch meeting tomorrow
 - RSVP to mmusic-admin@ietf.org
- Telecons to continue
 - Next one: April 3
 - Details: <http://rtsp.org/telecon>
 - RSVP to robbla@real.com by prior Monday
- More specification revisions to come out after IETF meeting
- Interop testing still needed
 - Need feature matrix
 - Need implementation reports from feature matrix