CLUE protocol & data model drafts

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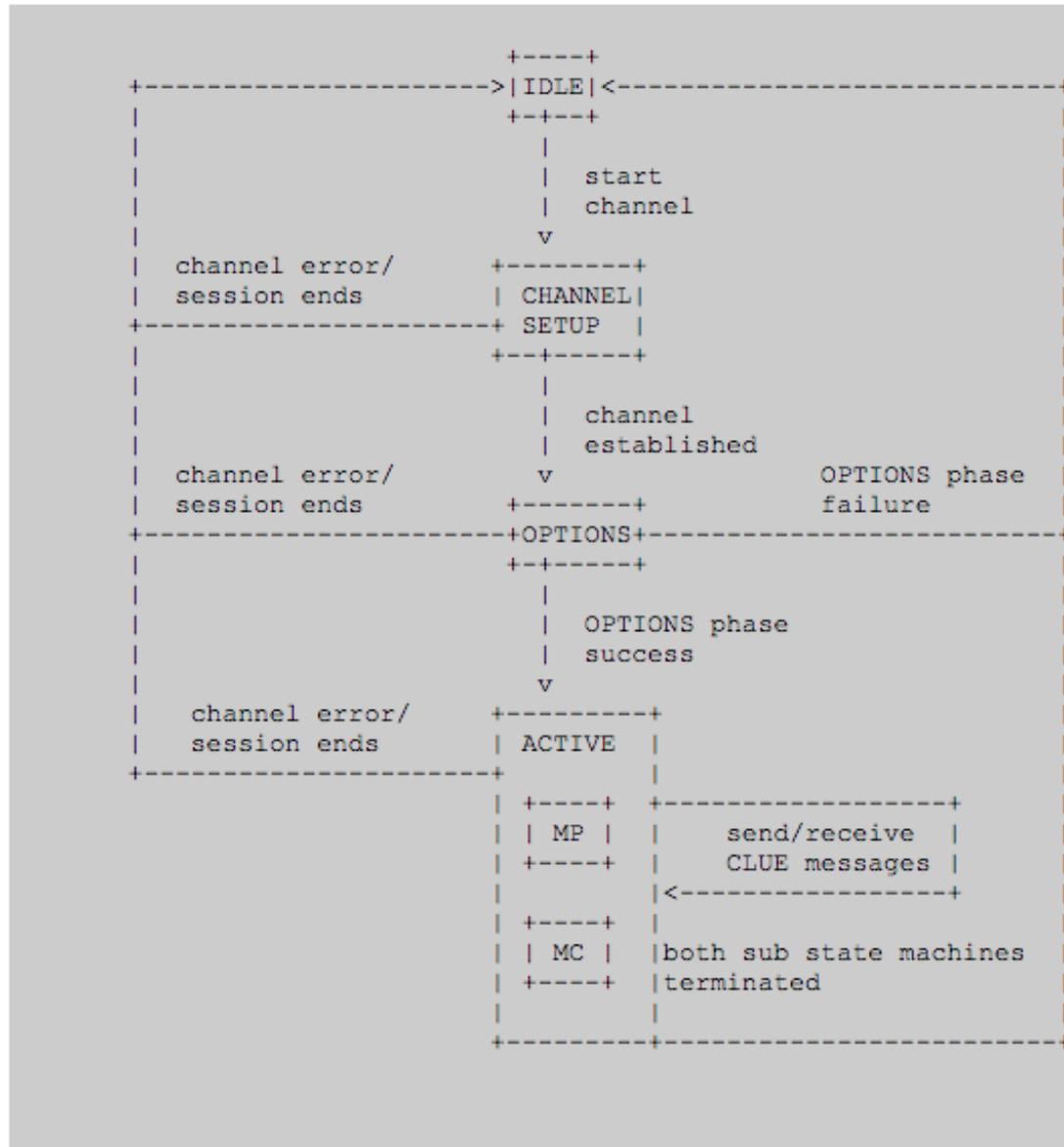
Protocol draft

- News in version 3
- State machines
- Feedbacks from the WG

Diff with version 2

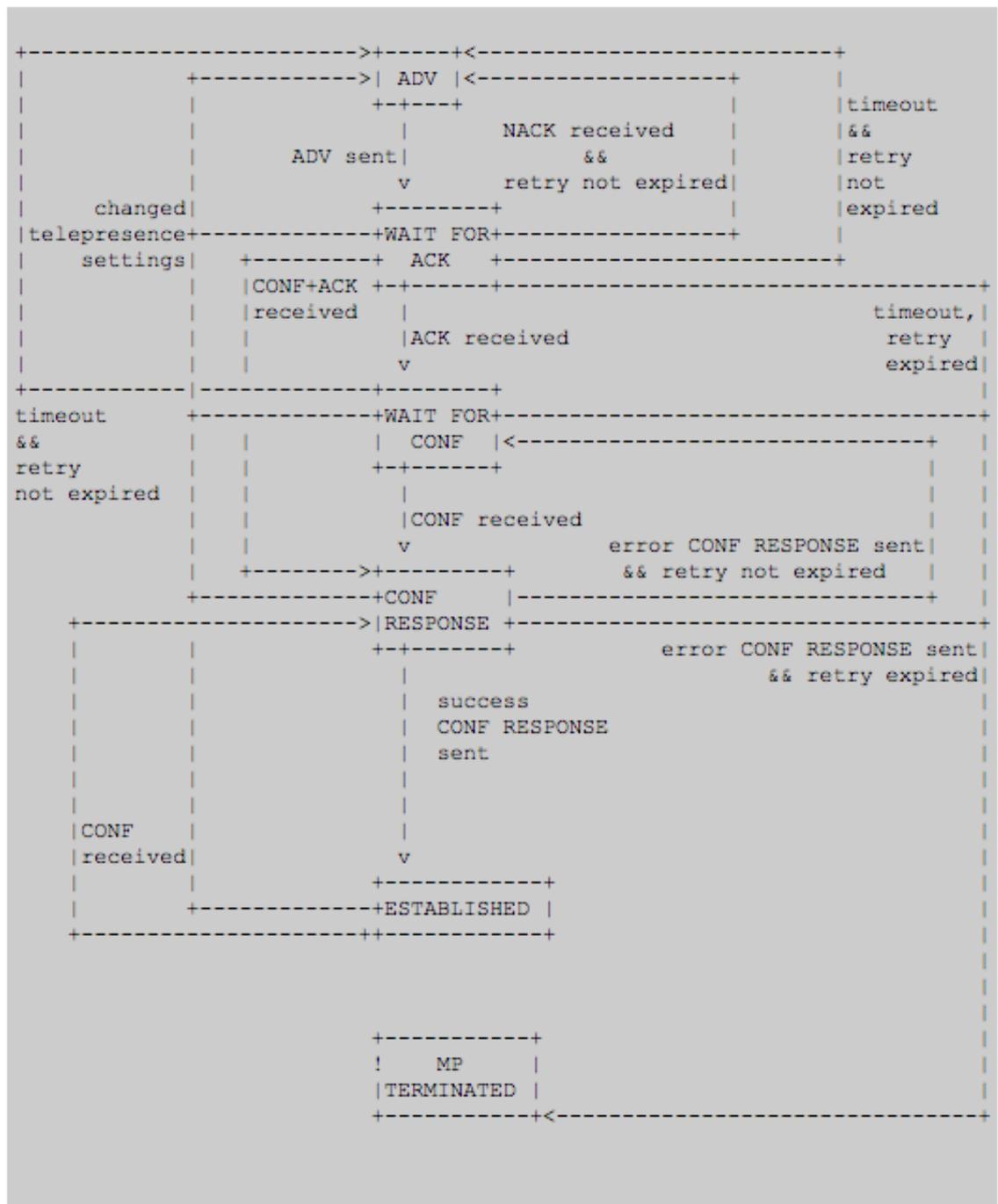- CLUE Participant state machine:
  - TERMINATED state replaced with IDLE
- MP and MC state machines:
  - SDP O/A state removed
- Diff mechanism (and related example) removed
- Schema updates:
  - versionType used as the data type for all versions fields;
  - xs:unsignedInt used as the data type for all sequence number fields
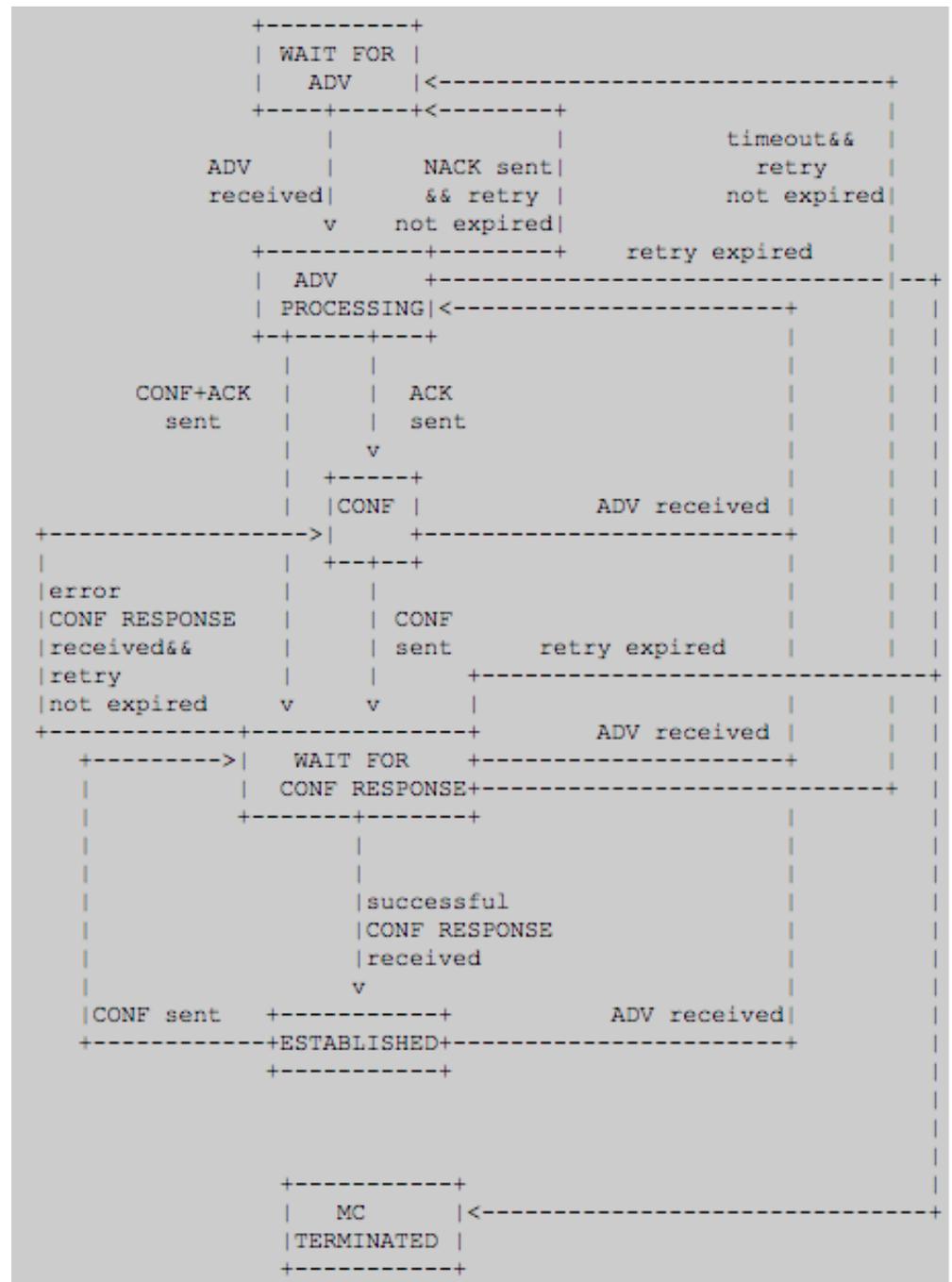 - diff support removed from the ADV definition

CLUE Participant's state machine

MP's state machine

```
+--------------------->+-----+<--------------------------+
|                +----------->| ADV |<--------------------+        |
|                |            +-+---+                      |        |timeout
|                |              |      NACK received       |        |&&
|                |      ADV sent|          &&              |        |retry
|                |              v     retry not expired|   |        |not
|       changed|               +--------+                  |        |expired
|telepresence+-------------+WAIT FOR+-----------------+     |
|     settings|    +---------+  ACK    +------------------------+
|             |    |CONF+ACK +-+------+------------------------------------+
|             |    |received  |                            timeout,|
|             |    |          |ACK received               retry  |
|             |    |          v                           expired|
+------------|-------------+--------+                             |
timeout       +-------------+WAIT FOR+-------------------------------+
&&            |    |         | CONF  |<------------------------------+    |
retry         |    |         +-+------+                              |    |
not expired   |    |           |                                    |    |
              |    |           |CONF received                       |    |
              |    |           v               error CONF RESPONSE sent|  |
              |    +--------->+---------+       && retry not expired   |  |
              +-------------+CONF       |------------------------------+  |
+--------------------->|RESPONSE +------------------------------------+
|       |              +-+-------+           error CONF RESPONSE sent|
|       |                |                   && retry expired|
|       |                | success                           |
|       |                | CONF RESPONSE                     |
|       |                | sent                              |
|       |                |                                   |
|       |                |                                   |
|CONF   |                |                                   |
|received|               v                                   |
|       |              +------------+                         |
|       +-------------+ESTABLISHED |                         |
+--------------------+-+------------+                         |
                                                              |
                                                              |
                                                              |
                      +-----------+                           |
                      !    MP     |                           |
                      |TERMINATED |                           |
                      +-----------+<--------------------------+
```

MC's state machine

Feedbacks from the WG

- Received feedback from Christian Groves
  - just started working on Christian's comments
    - typos
    - minor changes to the document
    - terminology alignment with the framework document

Data Model draft

- Working on version -08
  - alignment with framework document
  - embedding comments and feedback from Christian Groves and Mark Duckworth
    - typos
    - minor inconsistencies
    - changes to the sample section wrt spatial information
  - Ready in a couple of weeks