SIP Session Timer

draft-ietf-sip-session-timer-00.txt

was

draft-ietf-mmusic-sip-session-timer-02.txt

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MCI WORLDCOM

Problem being solved

- Call-Stateful SIP Proxy - A SIP Proxy that maintains state for the duration of the call for:
    - Resource Management
    - Mid-session Event Handling
    - Event reporting

- Currently there are situations where a Call-Stateful SIP Proxy Server will not be able to determine the end of a session
    - Lost BYE messages
    - Rogue User Agents

Proposed Approach

- Add concept of session time

  – Different than existing request timer

- Session time negotiated as part of session initiation

- Started at receipt of INVITE ACK

- Ended at receipt of BYE or timeout

- Session time extended by Callee UA or Called UA through re-INVITE
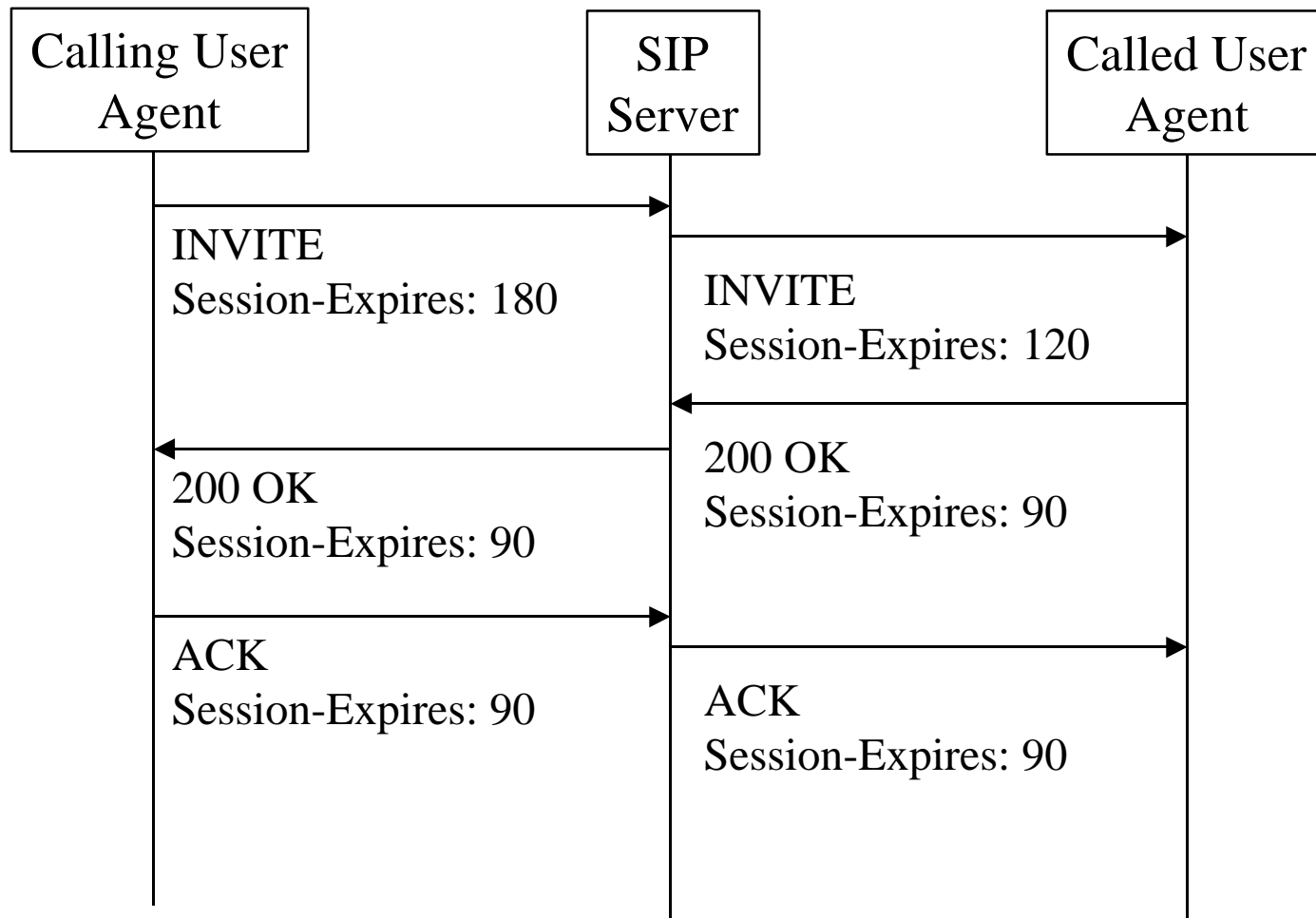
Proposed extensions to SIP specification

- Optional Session-Expires header added to
  - INVITE and ACK request
  - 200 and new 487 responses

- Addition of a new 4xx response
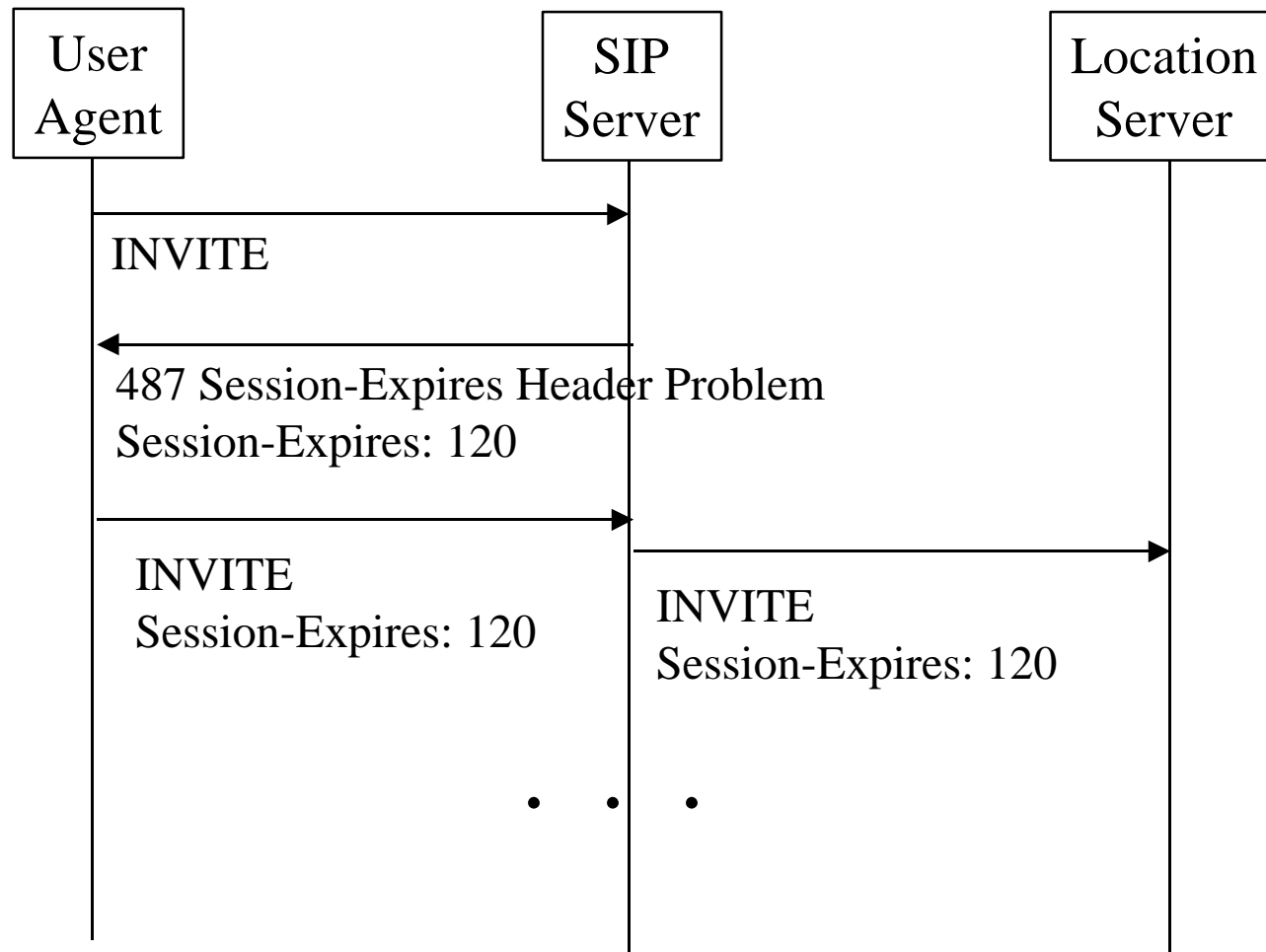 - 487 Session-Expires Header Problem

Session Time Negotiation

Calling User
Agent

SIP
Server

Called User
Agent

INVITE
Session-Expires: 180

INVITE
Session-Expires: 120

200 OK
Session-Expires: 90

200 OK
Session-Expires: 90

ACK
Session-Expires: 90

ACK
Session-Expires: 90

Session Header Missing

Next Steps

- Consensus reached in Oslo to move forward with concept

- Need to determine how:
  - Part of updated baseline specification
  - Standalone RFC

- Working group last call