

IETF LC comments on draft-ietf-pim-sm-bsr-10

PIM WG meeting, IETF 68, Prague

March 20 2007

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LC comments

- Gen-ART review by Eric Gray
- secdir review by Sandy Murphy. Not yet discussed among authors, will take it to the list soon.
- Lars Eggert: is “updates RFC2362” correct? 2362 has been obsoleted by 4601, but old BSR spec is only in 2362.

Non-candidate-BSR state machine

Issues

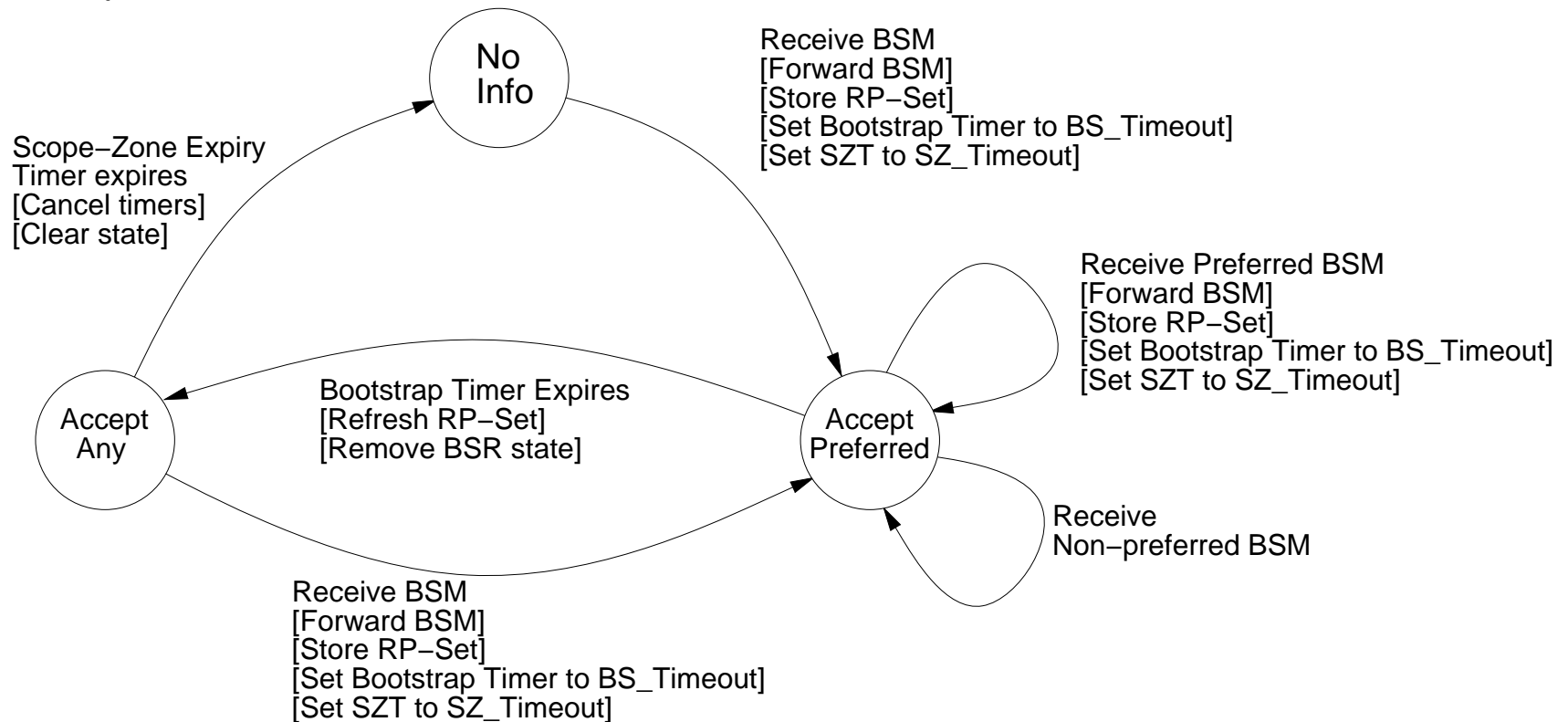
- NoInfo state missing from overview in section 2
- Distinct FSMs for dynamically learned scope zones and configured scope zones merged into one

Proposed changes to section 3.1.2

- Explain there are two different FSMs up front, the one displayed is for dynamically learned scopes
- Clarify why NoInfo state is omitted from section 2
- Explain how the FSM for configured scope zones differs (no NoInfo state, no Timer)

Non-candidate-BSR state machine (cont.)

Zone expiry timer is primed in various transitions, when it is only really needed in the transition from AP to AA.



Non-candidate-BSR state machine (cont.)

The FSM can be simplified without changing its behavior (almost):

- Remove action `Set SZT to SZ_Timeout` from transitions
`NoInfo → AP`, `AP → AP`, `AA → AP`
- Add action `Set SZT to SZ_Timeout` to transition `AP → AA`

Only difference: a scope zone will expire one `BS_Timeout` period later than with current spec.

Group-to-RP-mapping timer (GET) expiration

What happens when this timer expires is not explicitly described anywhere. We propose to add some text in section 3.6.

Actions Remove BSR state/Clear State

- It appears to be unclear which state is removed in the action `Remove BSR state`. Clarify this by listing the items explicitly (BSR address, priority, bootstrap timer, saved BSM)
- Action `Clear State` in transition `AA → NoInfo` is not described anywhere. Rename action to `Remove scope zone state`, add description

Remove scope zone state

When the `Scope-Zone Expiry Timer` expires, all state associated with the scope zone is removed (see section 2).

- Remove action `Cancel Timers` in transition `AA → NoInfo` (timer is removed with `Remove scope zone state`)

Draft status: IESG Evaluation/Revised ID Needed

- Address issues from secdir review on the list
- Publish revision 11
- Start new LC (?)