Sharing relay zone with access link

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P802.16j Baseline Document IEEE C802.16j-06/026 <http://ieee802.org/16/relay/docs/80216j-06_026r2.pdf>

Purpose:
Adoption of proposed text into P802.16j

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Two hop network model for 4MSs and 3MSs cases

- **Assumption**
  - No RS amble is considered
  - All access links and relay links use same burst profile
  - Fair scheduling that all MSs communicate with same data rate
  - Transition gaps between zones are not considered here
  - No intra-cell interference is considered
Zone boundary change (example of MR-BS frame)

• When fair scheduling that all MSs communicate with same throughput is considered, zone boundary between access zone and relay zone will be changed in response to traffic change.
Proposed method
Relay zone is shared with access link

4MSs

- Zone boundary between access and relay zones can be same

3MSs
Proposed Text Change

• We propose that the sentence “Optionaly the relay zone may be shared with access link for flexible PHY scheduling.” be added to the end of 8.4.4.7.2.1 and 8.4.4.7.2.2 in current baseline text (802.16j-06/026r2)