Sharing relay zone with access link

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Base Document:

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

Two hop network model
for 4MSs and 3MSs cases
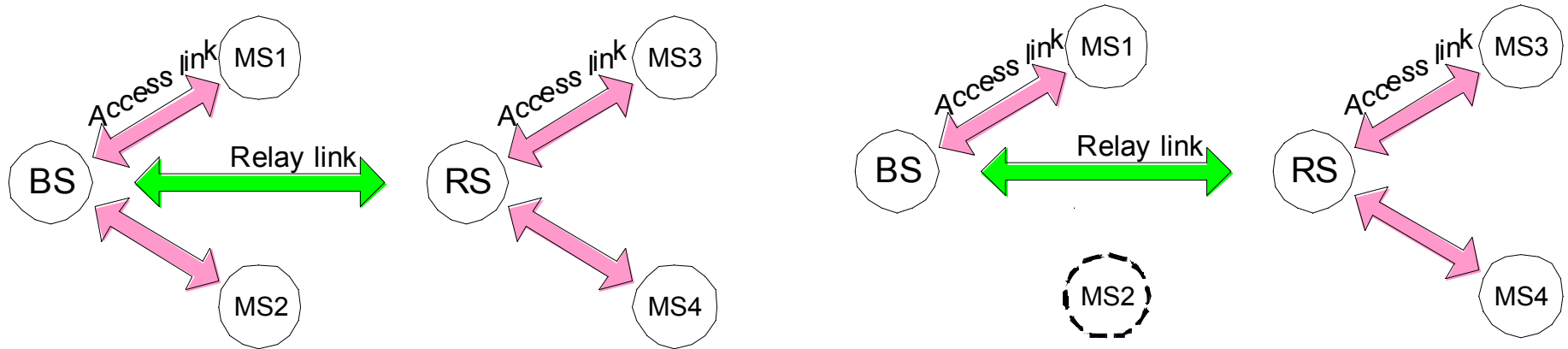
- Assumption
  - No RS amble is considered
  - All access links and relay links use same burst profile
  - Fair scheduling that all MSs communicate with same data rate
  - Transition gaps between zones are not considered here
  - No intra-cell interference is considered

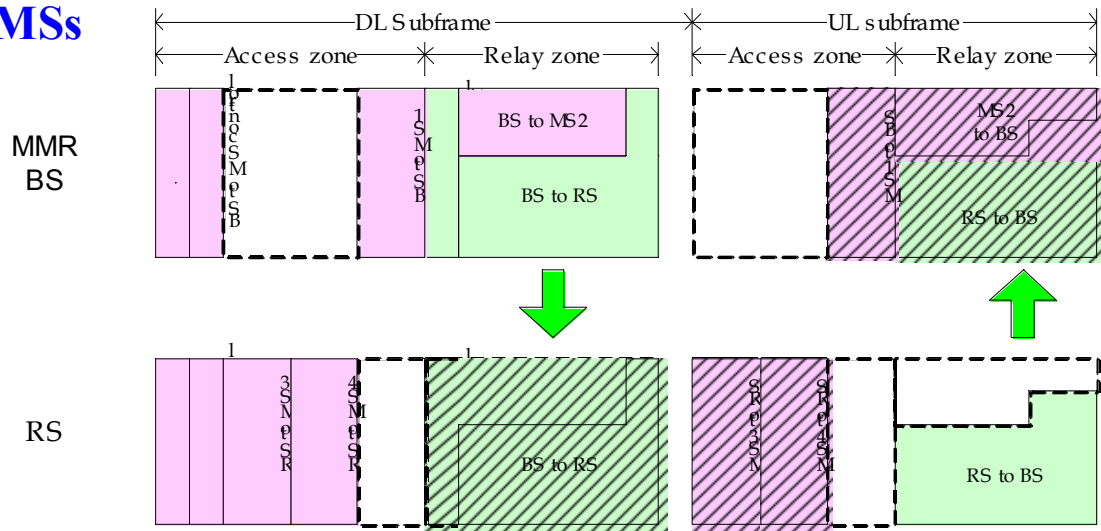# Zone boundary change (example of MR-BS frame)
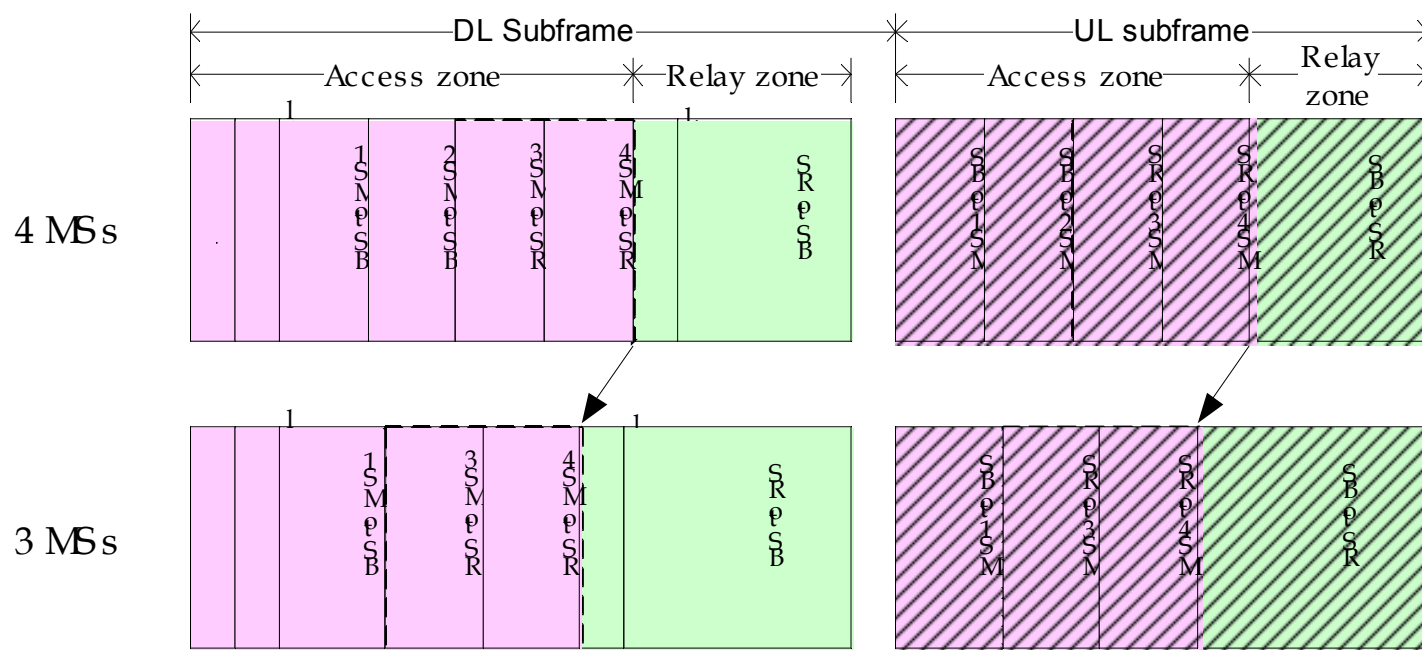
- When fair scheduling that all MSs communicate with same throughput is considered, zone boundary between access zone and relay zone will be changed in response to traffic change.
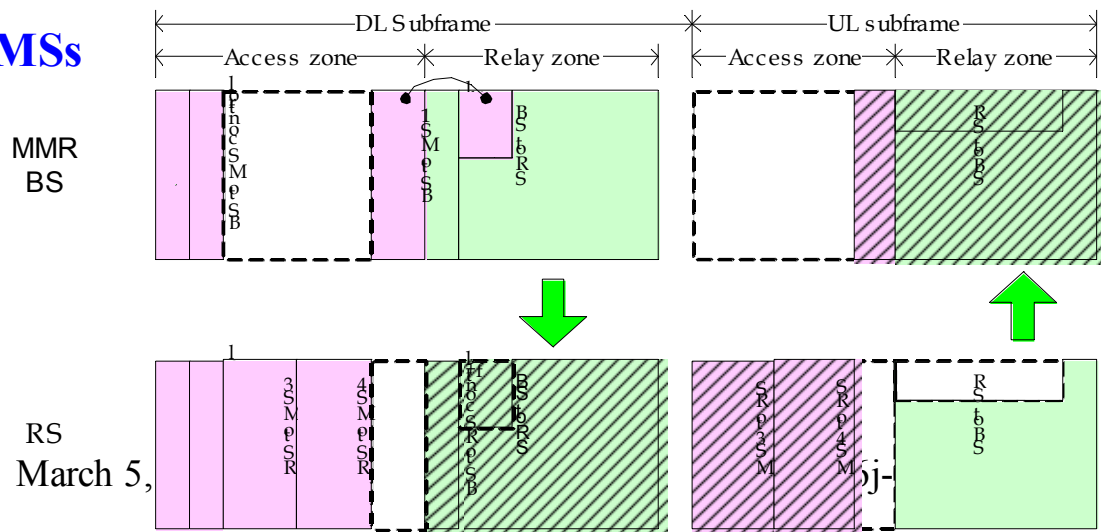
Proposed method
Relay zone is shared with access link

- Zone boundary between access and relay zones can be same

Proposed Text Change

- We propose that the sentence "<u>Optionally the relay zone may be shared with access link for flexible PHY scheduling.</u>" 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)