RS Autonomous Synchronization

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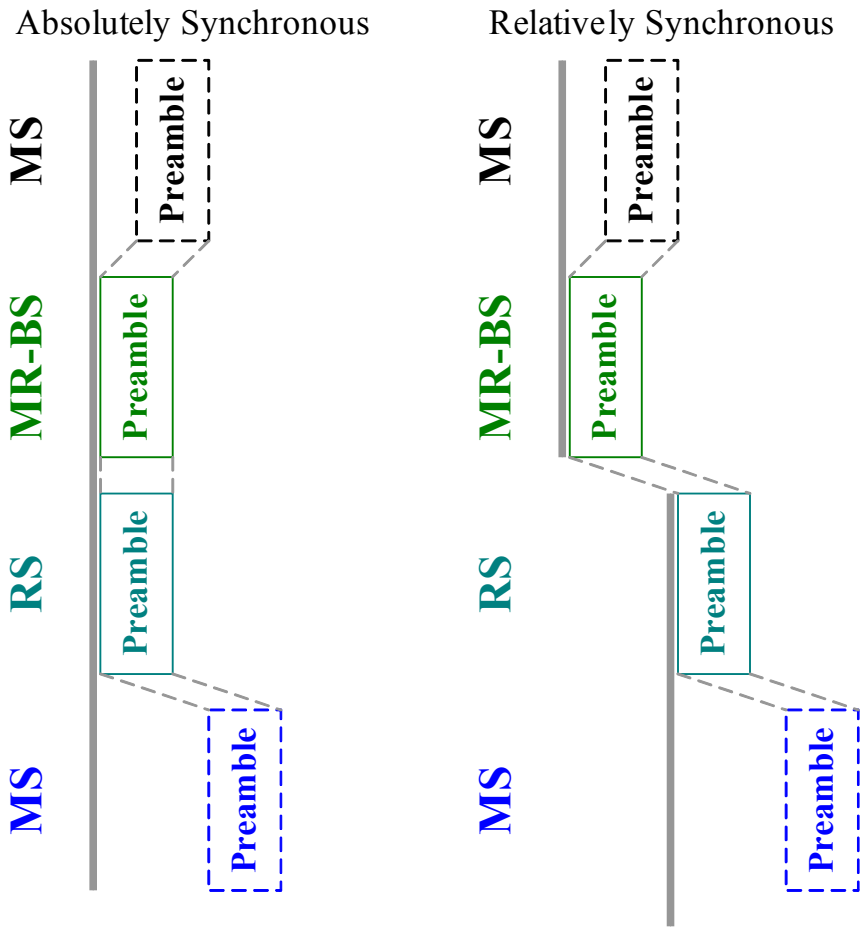
Purpose:

Propose the text regarding RS Autonomous Synchronization.

Introduction

- **In MR network systems, MR-BS and RSs should transmit preamble synchronously**

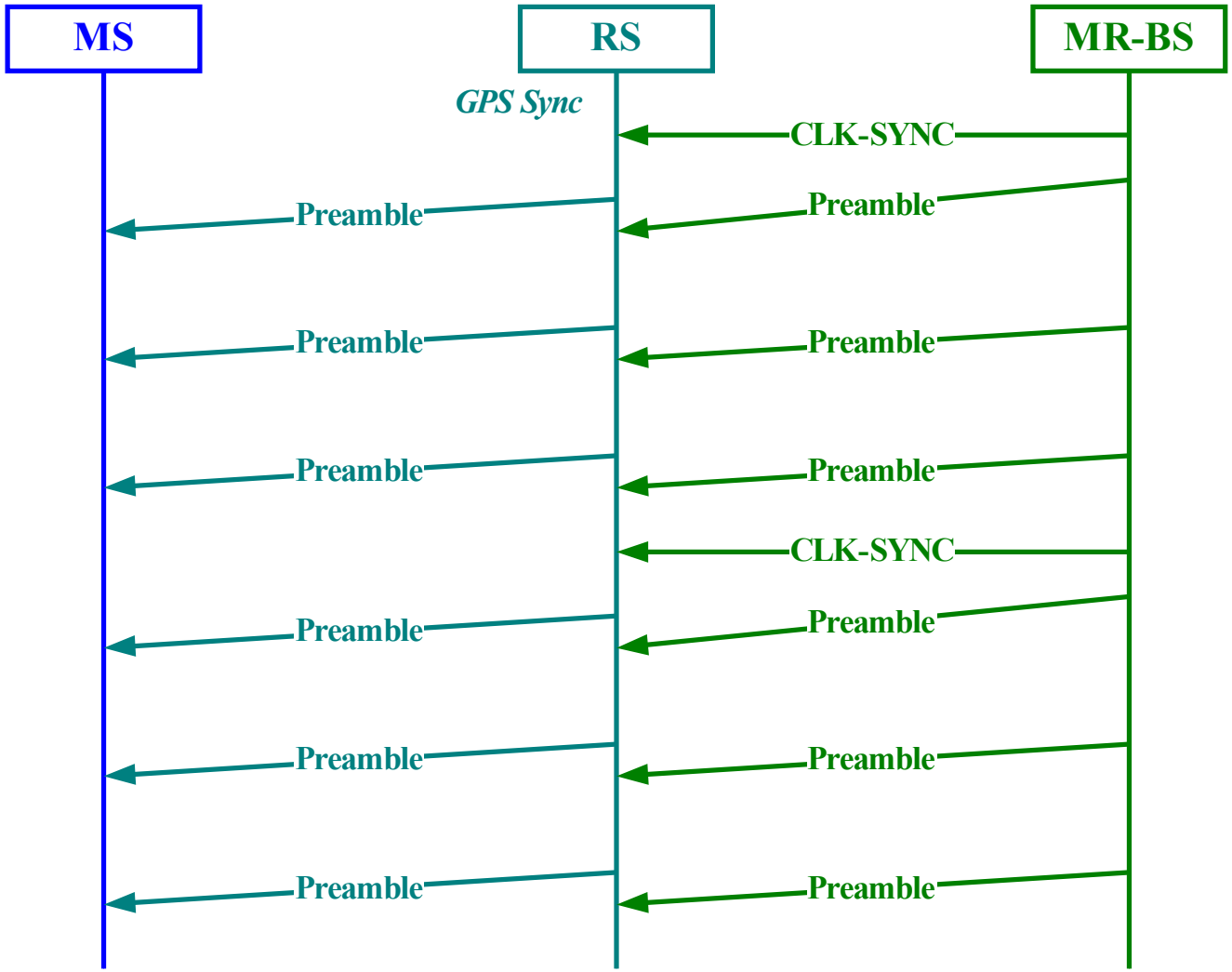


MR System Time Synchronization

- To synchronize with access station (AS), a AS should broadcast CLK-SYNC to synchronize frame-start preamble transmissions among MR-BS and RSs
- The feature is optional

Syntax	Size	Notes
CLK-SYNC message_format () {	-	-
Management Message Type = xx	8 bits	-
Frame Sequence Number	8 bits	8-LSB Frame Sequence Number
Fraction GPS time	24 bits	Fraction GPS time for frame-start DL preamble of current frame, where fraction GPS time defined as the GPS time minus the integer GPS time in second (unit 1 micro second)
}	-	-

Flow Chart


MS
RS
MR-BS
GPS Sync
CLK-SYNC
Preamble
Preamble
Preamble
Preamble
Preamble
Preamble
CLK-SYNC
Preamble
Preamble
Preamble
Preamble
Preamble
Preamble

Summary

- Propose CLK-SYNC message to perform RS autonomous synchronization, which is optional for MR-BS and RSs