

A proposal for introducing a shared RS system in MR Networks

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Purpose:

For discussion and approval of inclusion of the proposed text into the P802.16j baseline document.

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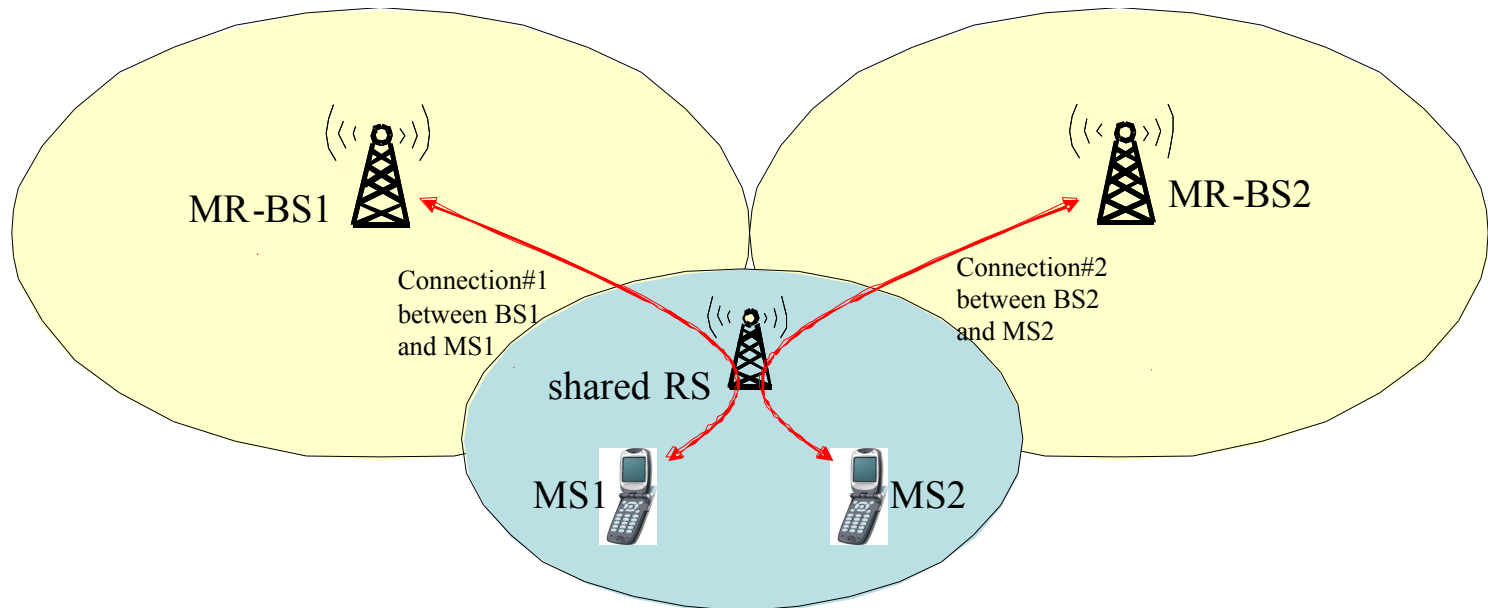
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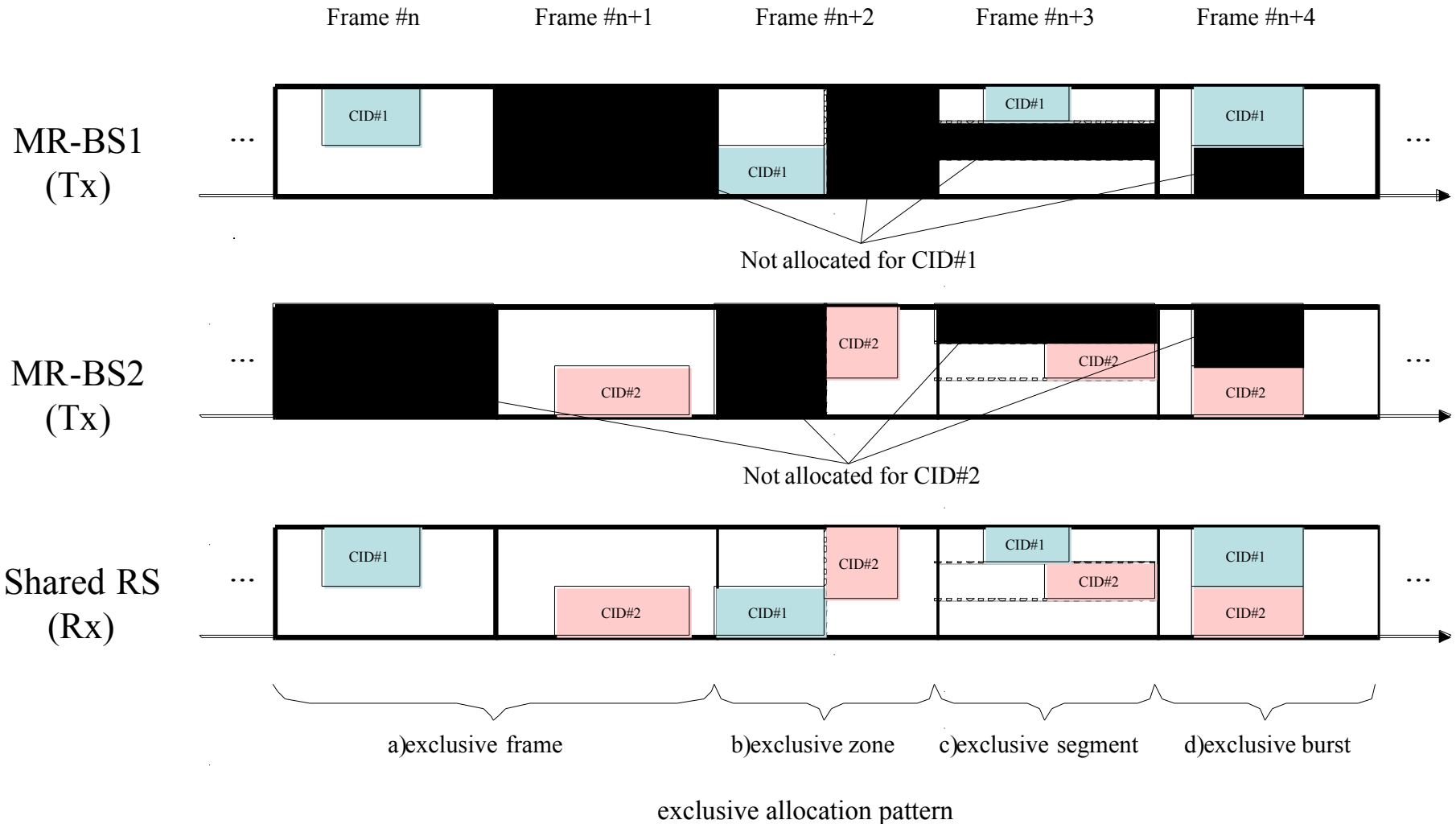
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Introduction

- When two BSs have an overlapping service areas, an RS operating in the common service area, the shared RS could improve its related throughput taking advantage of the two different associated links.



Exclusive Burst Allocations



Note: For convenience, this example shows image of DL subframe only. The idea for UL subframe is basically same as DL.

Types of Exclusive Burst Allocations.

- Exclusive subframe.
- Exclusive zone
- Exclusive segment.
- Exclusive burst.

Advantages

- Load-balancing between the two adjacent cells.
- Optimizes the RS bandwidth throughput
- Improves the network reliability.