

Fast Bandwidth request scheme for Relay Station

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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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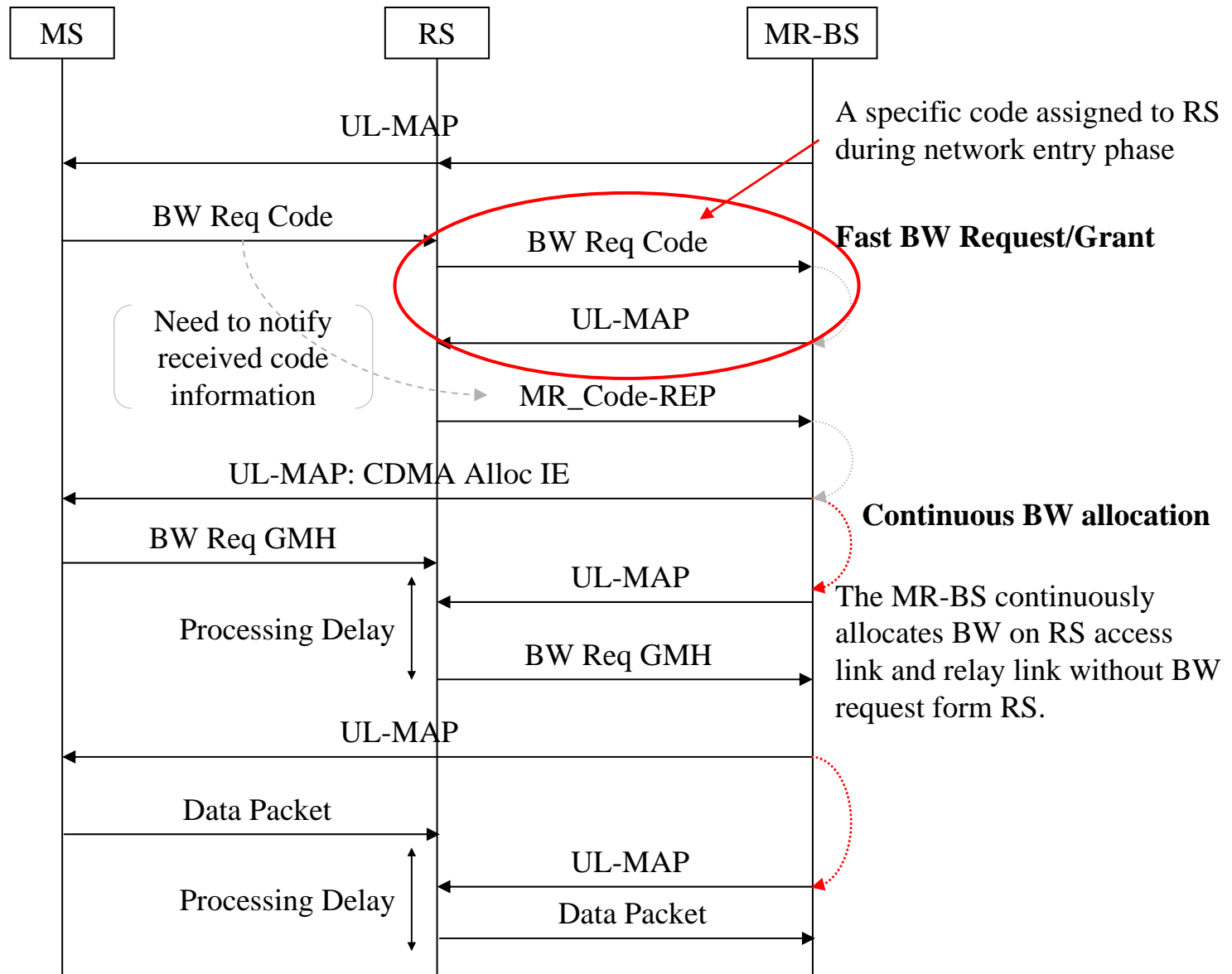
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Introduction

- Two Fast BW request/grant schemes are proposed
 - Fast CDMA bandwidth request/grant
 - RS is assigned a specific CDMA code to request bandwidth at SBC phase. BS immediately allocates BW to the RS when it receives the RS specific CDMA code.
 - Continuous Bandwidth Allocation.
 - BS allocates UL BW on relay link without BW request after allocating UL BW on access link. BS also allocates DL BW in the same manner.
- Related sections in the standard :
 - 6.3.6.7.2 Centralized scheduling

Example of Fast BW request/grant sequence



Advantages

- To reduce signaling messages and latency