Bandwidth Request for Distributed Systems

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

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Introduction

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Problem

- Since BW allocations on access and relay links are done individually by the RS and the MR-BS in distributed model, the BW on the R-UL could be assigned before the RS receives PDUs from the MS.
Proposed Scheme

- To prevent the timing misalignment, the RS inserts timing information in the BW request header that it transmits to its upstream MR-BS or RS. This timing information informs the MR-BS of when it expects to need the relay uplink allocation.