

General Relay MAC PDU Format

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None

Purpose:

Propose to adopt the relay MAC PDU format described herein into IEEE 802.16j.

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Motivations

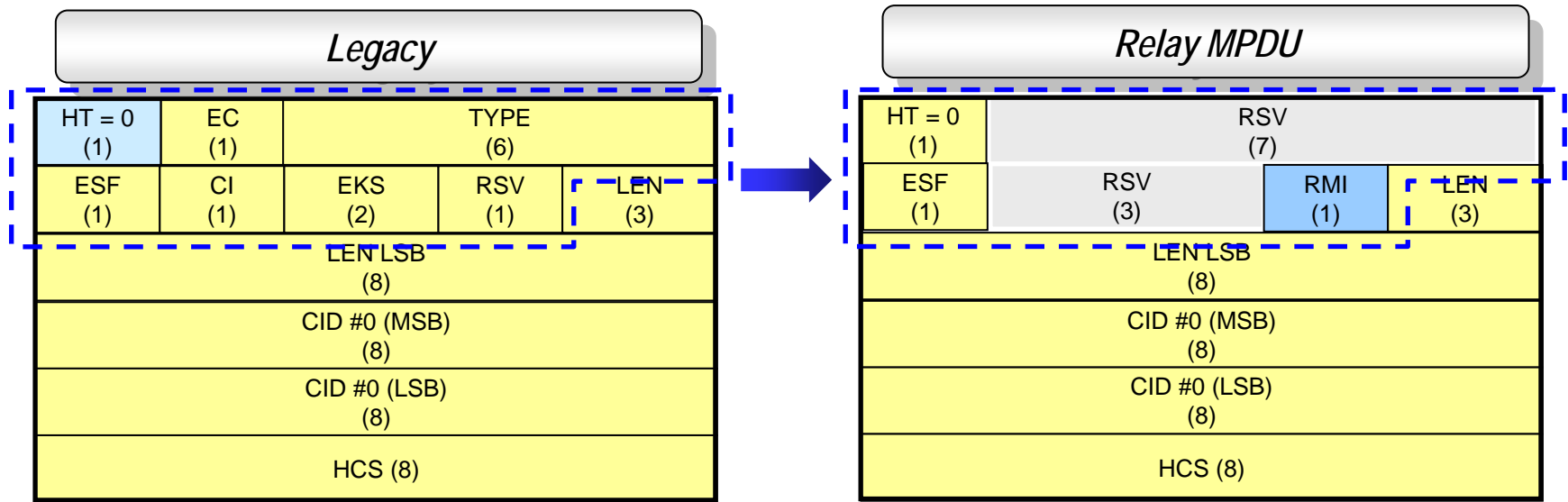
- Many proposals want some bit in the GMH for new need.
 - One bit is needed to indicate CID encapsulation by 07/126r4
 - One bit would be needed to indicate whether the intermediate RS should read the shared management message or not by 07/188 and 07/189
 - One bit is needed to indicate MPDU encapsulation by 07/267
 - This list may go on and on...

- The reality is:
 - There is only 1 RSV bit left in the GMH

- On the other hand, some of the current fields in GMH may not be needed on relay link.

Proposed Solution

- We propose to use the current “RSV” bit as “RMI” (Relay Mode Indication) to indicate that this is a relay MAC header, which should be interpreted per the 802.16j MMR spec.
- The bits between “HT” and “RMI” are reserved, and the actual usage of each bit is subject to further discussion within TGj.



Usage Example

- New indicators

- Ownership type (OT): indicate whether the payload should be read by the intermediate RS or not (07/188, 07/189).

