



FT/P/FE Encoding Recommendation for 802.17

Robert Castellano

Proposed FT / P sub-field modification to support extended_frame encoding

D1.1

WH Proposal

FT sub-field

- 0 reserved
- 1 control
- 2 fairness
- 3 data

P sub-field

FT = 2, P – parity

FT != 2, P – **reserved**
possible data encoding

FT/SOP/FE sub-field

- 0/0/x data local flood / relaxed
- 0/1/x data local flood / strict
- 1/0/0 control
- 1/1/0 Idle
- 1/P/1 fairness w/parity
- 2/0/x data extended / relaxed
- 2/1/x data extended / strict
- 3/0/x data local no_flood / relaxed
- 3/1/x data local no_flood / strict

P bit redefined as:

SOP bit

Data – Strict/relaxed

Fairness – Parity

Control/Idle

FT/P field modification – Supports Strict_mode, extended_frame, and flooding indications

Extended Frame Flood encoded in RPRcontrol2 field

Wrap State – Encoded in WE indicator.

Local Frame Format

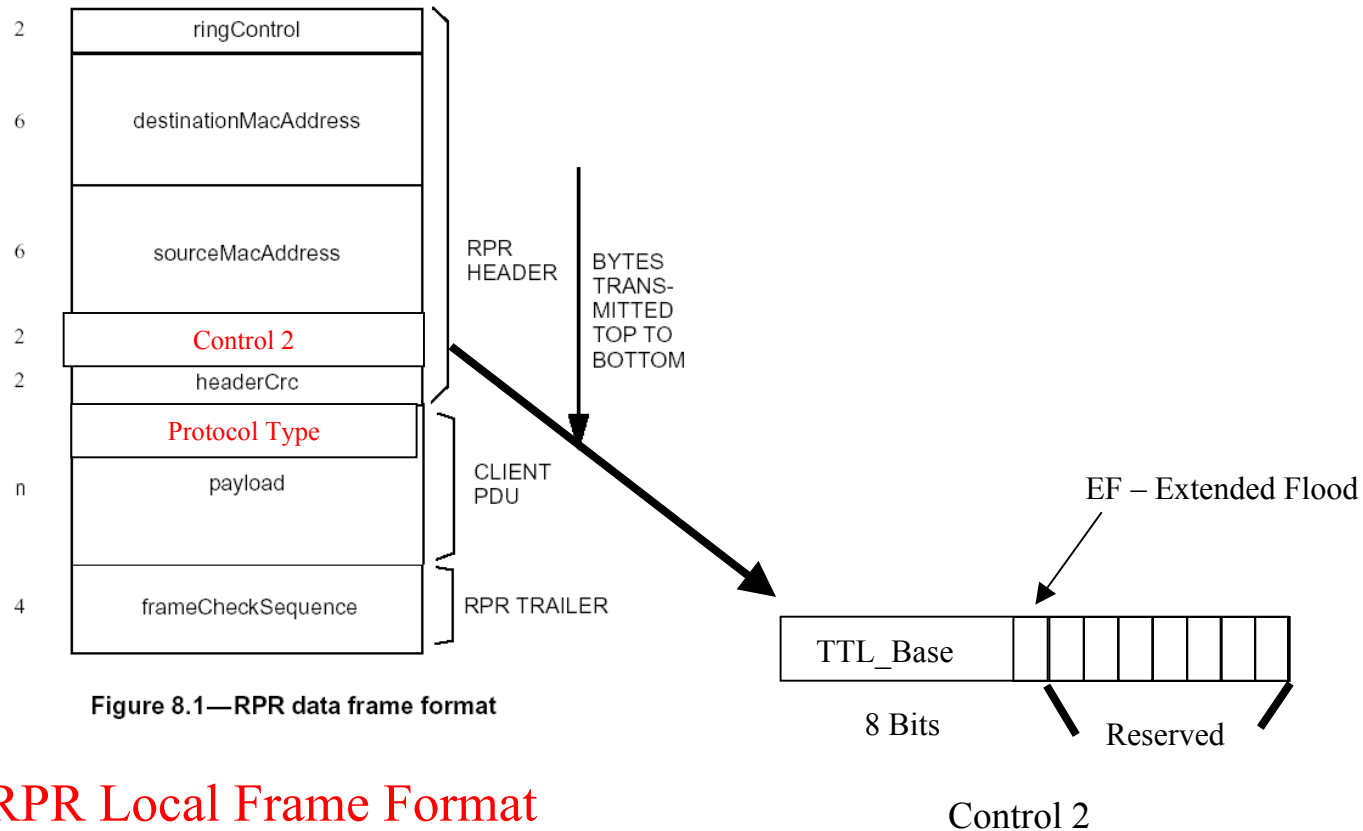


Figure 8.1—RPR data frame format

RPR Local Frame Format

Extended Frame Format

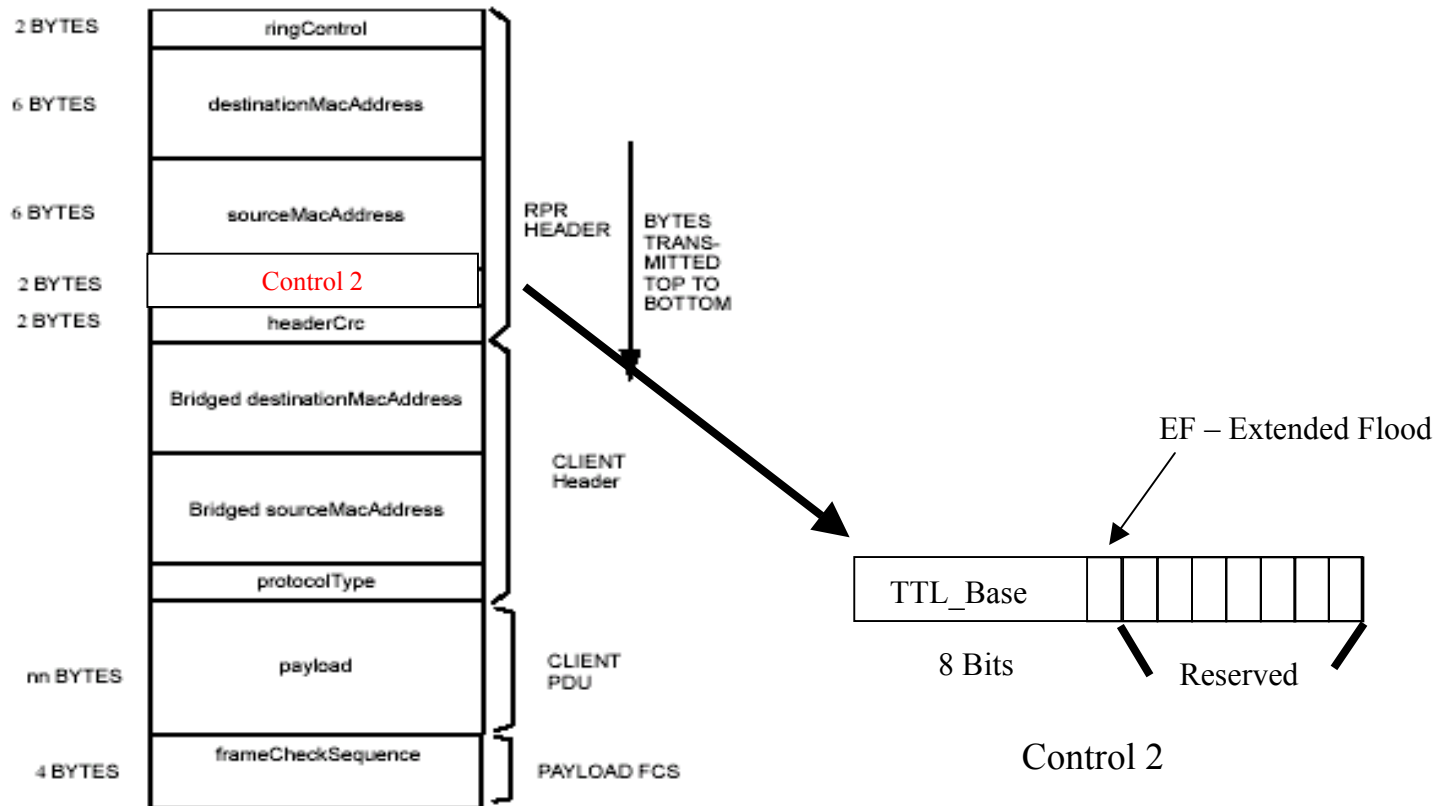


Figure 1.1—RPR extended data frame format

RPR Extended Frame Format