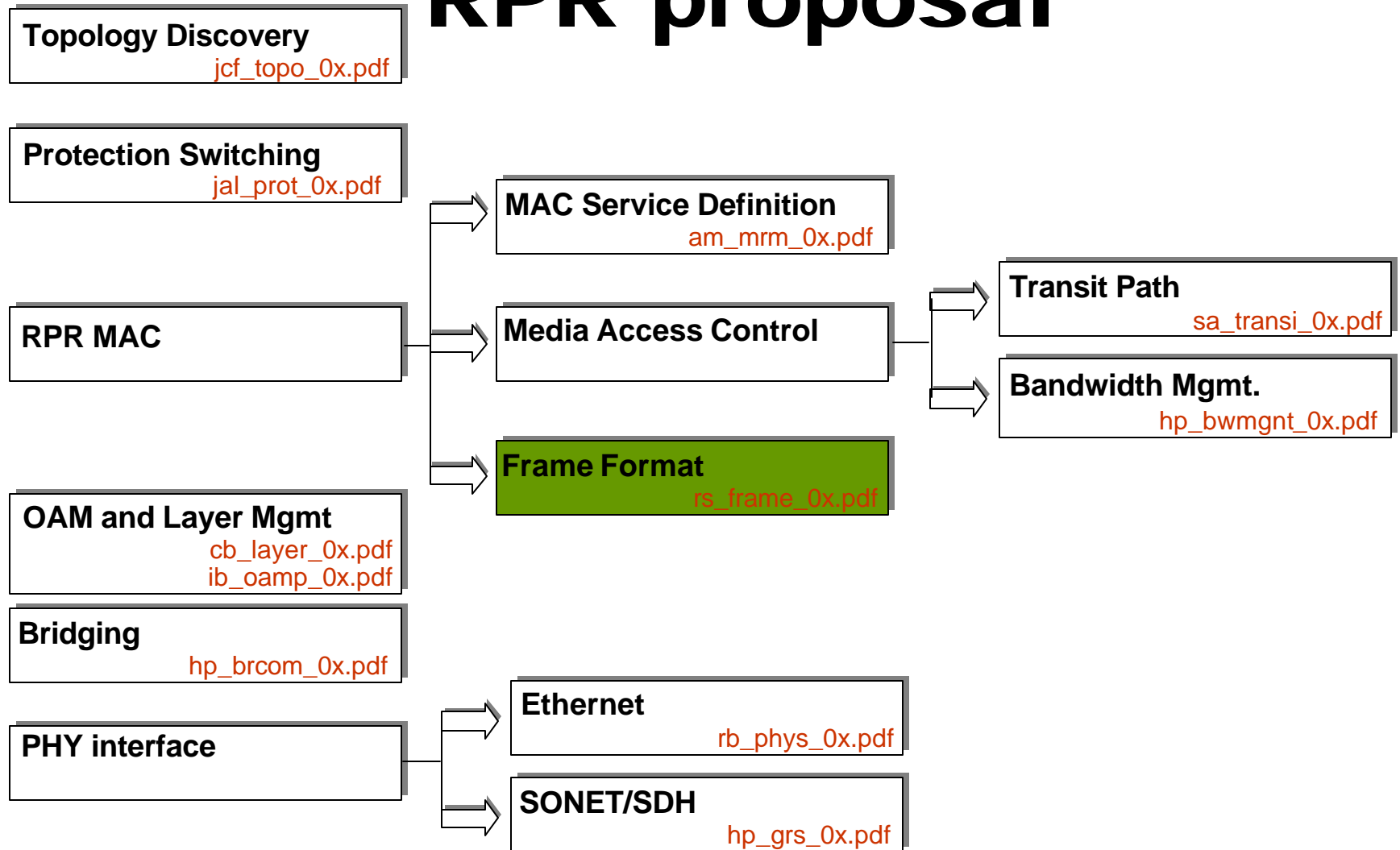


RPR MAC Frame Format

Raj Sharma, Harry Peng, Nader Vijeh, Rhett Brikovskis, Marc Holness, Italo Bussi, Lu Rovira, Fredric Thepot, Martin Brewer, Sanjay Agrawal, Henry Hshiaw, Vittorio Mascolo, Adisak Mekkittkul, Yiming Yao, Pat Conlon, Jason Fan, Chip Paryzek, Jeanne De Jaegher, Constantinos Bassias, Kanaiya Vasani, Mannix O'Connor

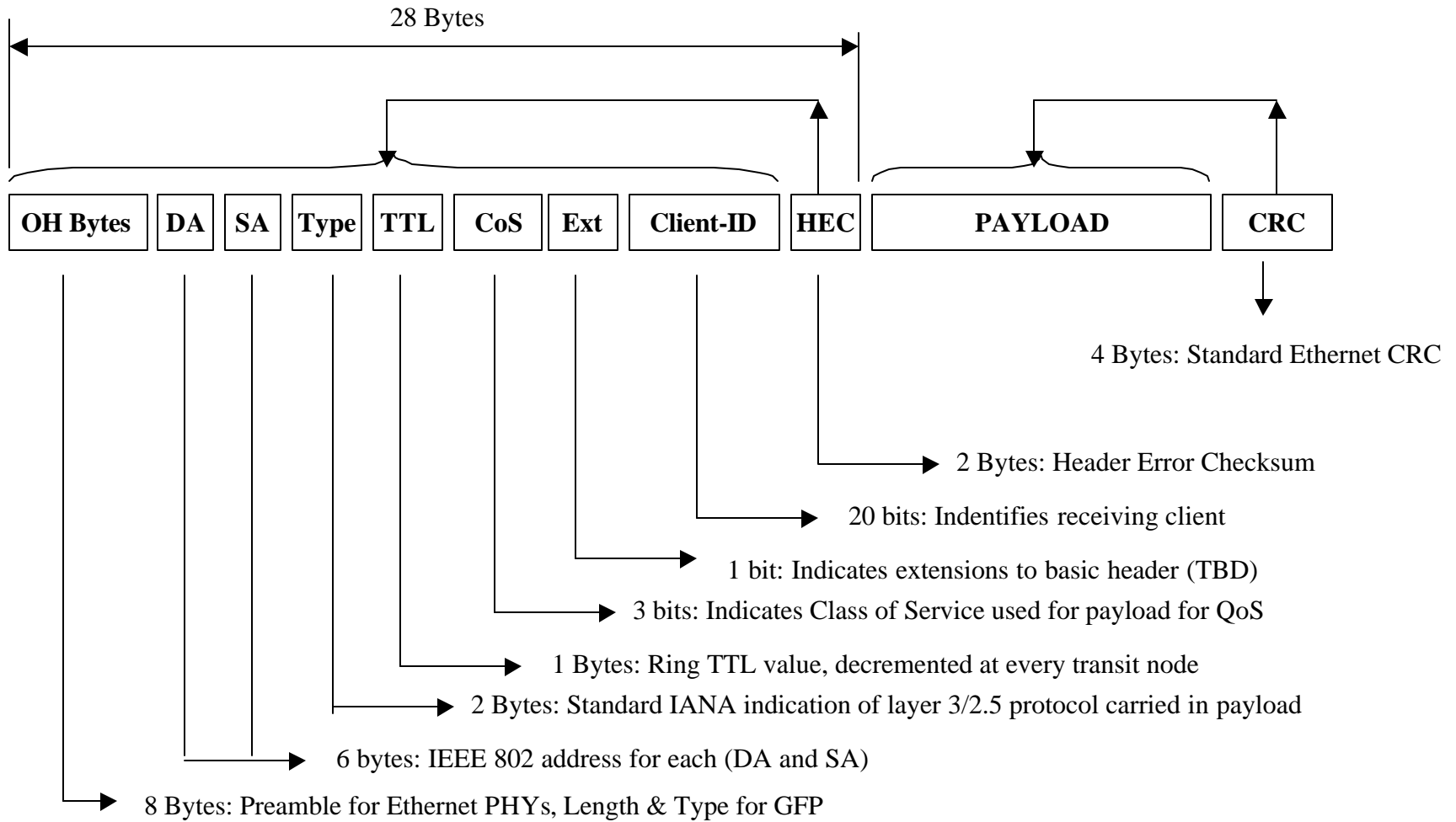
Components of a complete RPR proposal



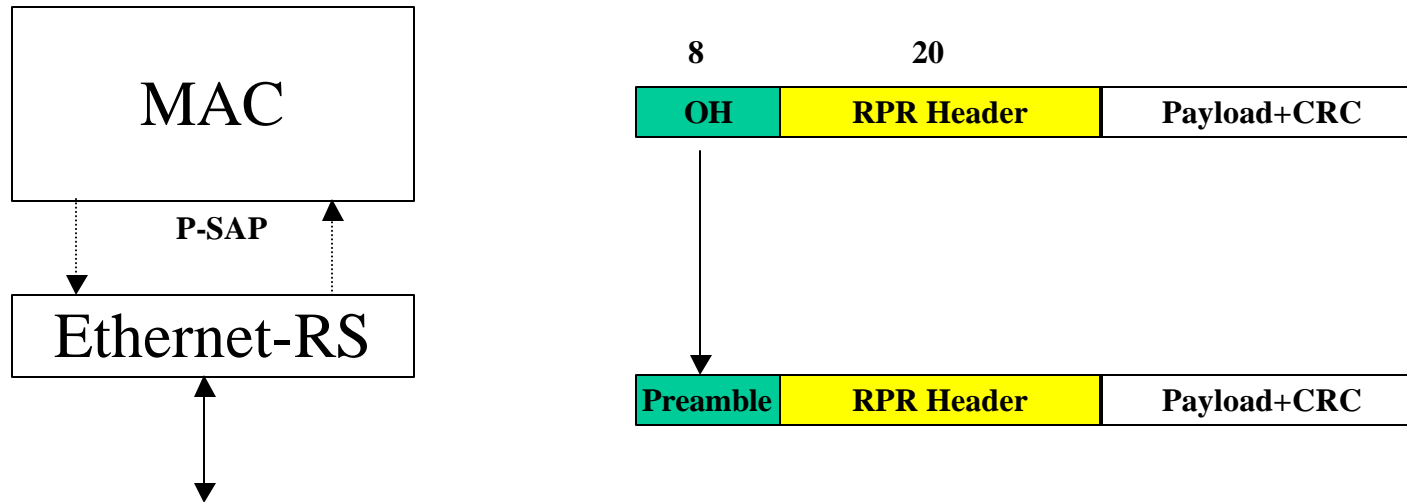
Objectives

- Design for ease of implementation, protocol extensibility and versatility
 - Header Byte/Word alignment
 - For any PHY: 10GE-LAN, 10GE-WAN, POS, GFP
 - Leverage existing test equipment to debug RPR.
- Support for “packet-ADMs”
 - Single level of de-multiplexing using Payload Type field is not enough
- Support persistent delivery
 - Requires end points to decide on errored payloads – however, protocol must avoid mis-routing

RPR Frame



RPR Frames on GE PHYs



RPR Frames on GFP PHYs

