

Usage of The RSVP Association Object

draft-ietf-ccamp-assoc-info-01.txt

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Three Part Draft

Draft has three parts:

1. Informational (Discussed at IETF 74-76)

- No new procedures or formats
- Is essentially formal write of Adrian's E-mail on the topic
 - Subject: Re: Clearing up your misunderstanding of the Association ID
 - From: "Adrian Farrel" <[adrian at olddog.co.uk](mailto:adrian@olddog.co.uk)>
 - Date: Tue, 18 Nov 2008 22:34:14 -0000
 - <http://www.ietf.org/mail-archive/web/ccamp/current/msg00644.html>
- Covers ASSOCIATION Object as defined in RFC 4872 and RFC 4873 (GMPLS Only)
 - Reviews object definition
 - Analyzes conformance (RFC2119) language of each
 - Identifies valid Association ID use cases
 - Describes receiver processing to handle cases

Part 2: Non-Recovery Association

2. Non-Recovery Usage (Per IETF 76, 77)

☐ Standards Track

- But don't modify usage for Recovery
- Provides informational guidance for Recovery

☐ Non-Recovery Usage

- Reuse recovery rules
 - Match LSPs with identical ASSOCIATION objects
 - » All fields: Type, ID, & Source
 - Multiple associations are possible all association objects need to be examined.
- Applies to LSP and non-LSP forms of RSVP

☐ Allow for association based on Path or Resv messages

- Upstream Initiated Association (Path state matching)
- Downstream Initiated Association (Resv state matching)
- No cross-direction association

Part 3: Extended Association

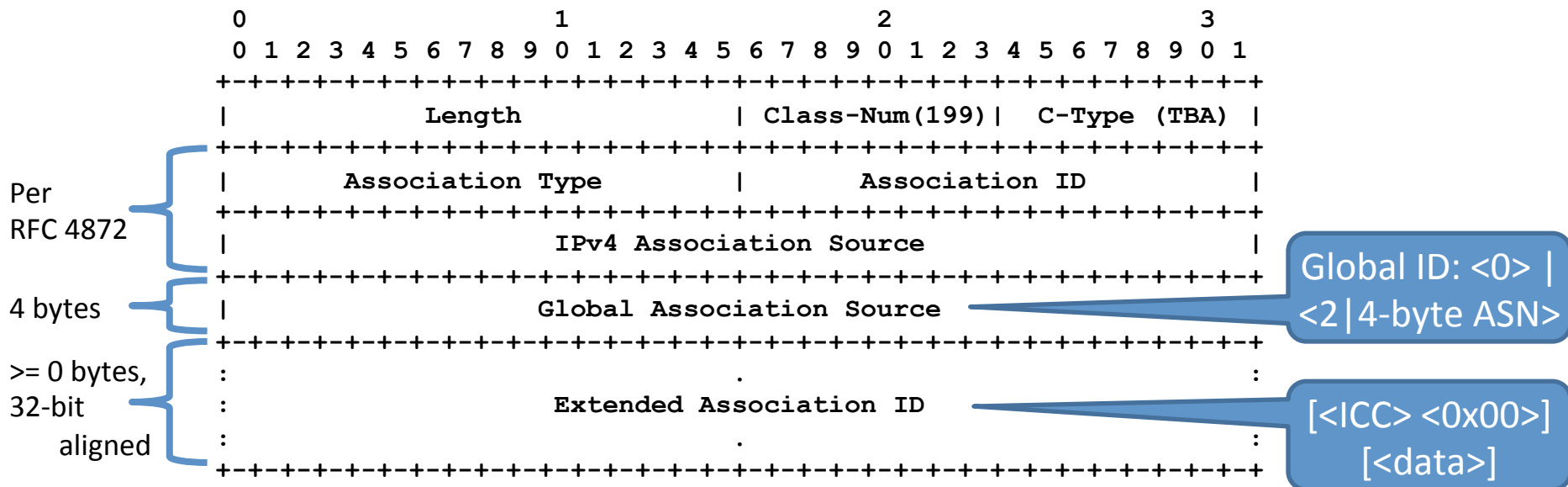
3. IPv4 and IPv6 Extended ASSOCIATION Objects

- Revised per plan discussed at IETF 79

- Supports

- Association identifiers > 16 bits
- MPLS TP identifiers – ICC and Global ID

- Format:



Question: One draft or two?

❖ Current draft covers:

1. Informational usage for GMPLS recovery
2. Standards track extensions for non-GMPLS recovery usage and Extended association

❖ Should Information and Standards track sections be separated?

E.g.:

1. “Usage of The RSVP Association Object”
2. “RSVP Association Object Extensions ”

Next steps

- ❖ Updated based on today's discussion
- ❖ Solicit additional feedback on extended association