#### Generic MPLS Time Correction Field

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#### Generic header

It would have been great if I could have found an acronym GUY (to match GAL)

The idea is that instead of a 1588-specific CF mechanism we can make a generic MPLS mechanism that can be applied to *any* MPLS packet

This would enable us to

- apply CF to any 1588 over MPLS encapsulation
- apply CF to NTP or TIME or ...
- measure 1-way delay

Two encapsulation possibilities :

- follow-up CF using GAL
- in-packet CF



# Using follow-up CF in GAL

**MPLS** label stack

GAL label 13

ACH (first nibble=0001)

correction field

The follow-up message follows each packet to be corrected The mechanism for associating with followed packet is TBD



### Using generic in-packet CF

**MPLS** label stack

new header – first nibble TBD, header length

correction field

original payload

This will require coordination with PWE who control the "first nibble" registry



# Signaling

#### The signaling

- OSPF
- IS-IS
- RSVP-TE

can be carried out similarly to in draft-ietf-tictoc-1588overmpls