

Quiz on LSPs and RSVP

6 Marks

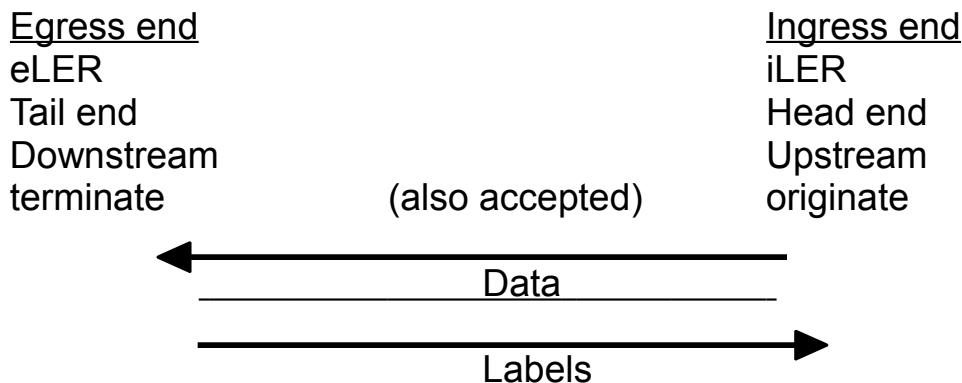
Name: _____

1. [2 marks] **Clearly** explain each of the two "Router Alert" options we've seen in this course: In *which* data field or header are these options? If we've seen actual value(s), what are they? What *purpose* or use do they serve?

- MPLS "Special Use" label (value 1); for OAM purposes (Mod 2)
- IP header option 20 = "router alert"; used in RSVP "Path" messages (Mod 4)

Purpose: to send the PDU (packet, MPLS payload) up to the control plane

2. [2 marks; 1 per complete set] There's lots of synonyms in MPLS. The RSVP slide deck introduced a pair of new terms for each end of an LSP, so that there's now a total of 3 for each end. What are the three terms for each end?



3. [1 mark; all-or-nothing] In the diagram above, draw arrow heads on the two lines to show which way Data and Labels flow.

4. [1 mark; all-or-nothing] What are the two *main* messages used for RSVP? For each message, clearly identify which direction it flows.

Path – sent from head end and propagated to tail end of (desired) LSP
RESV – sent from tail end and propagated to head end of LSP.