

SIP for QoS Paths

draft-gibson-sip-qos-resv-00.txt

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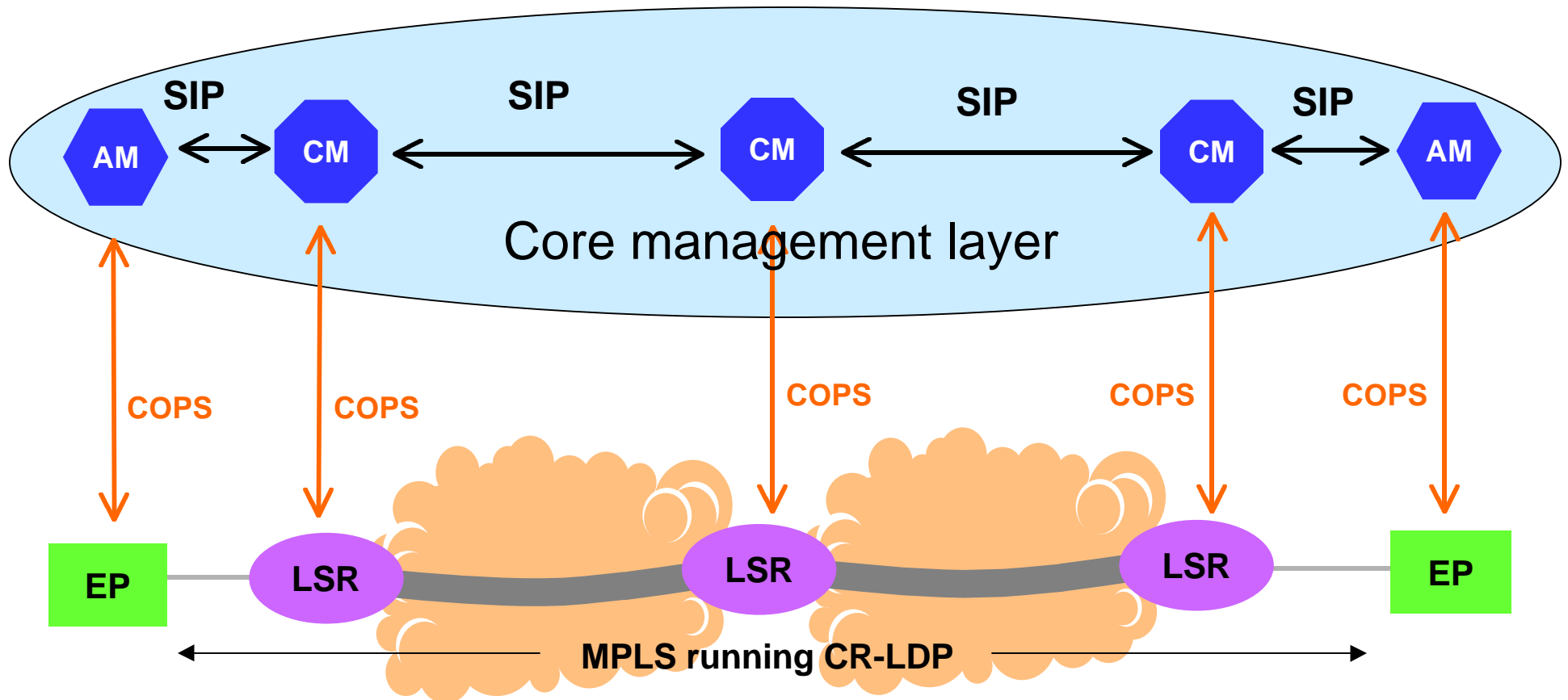
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- Allows reservation of Paths based on QoS metrics
- New application of SIP
- Exploits two SIP methods
 - **INVITE**
 - **REGISTER**

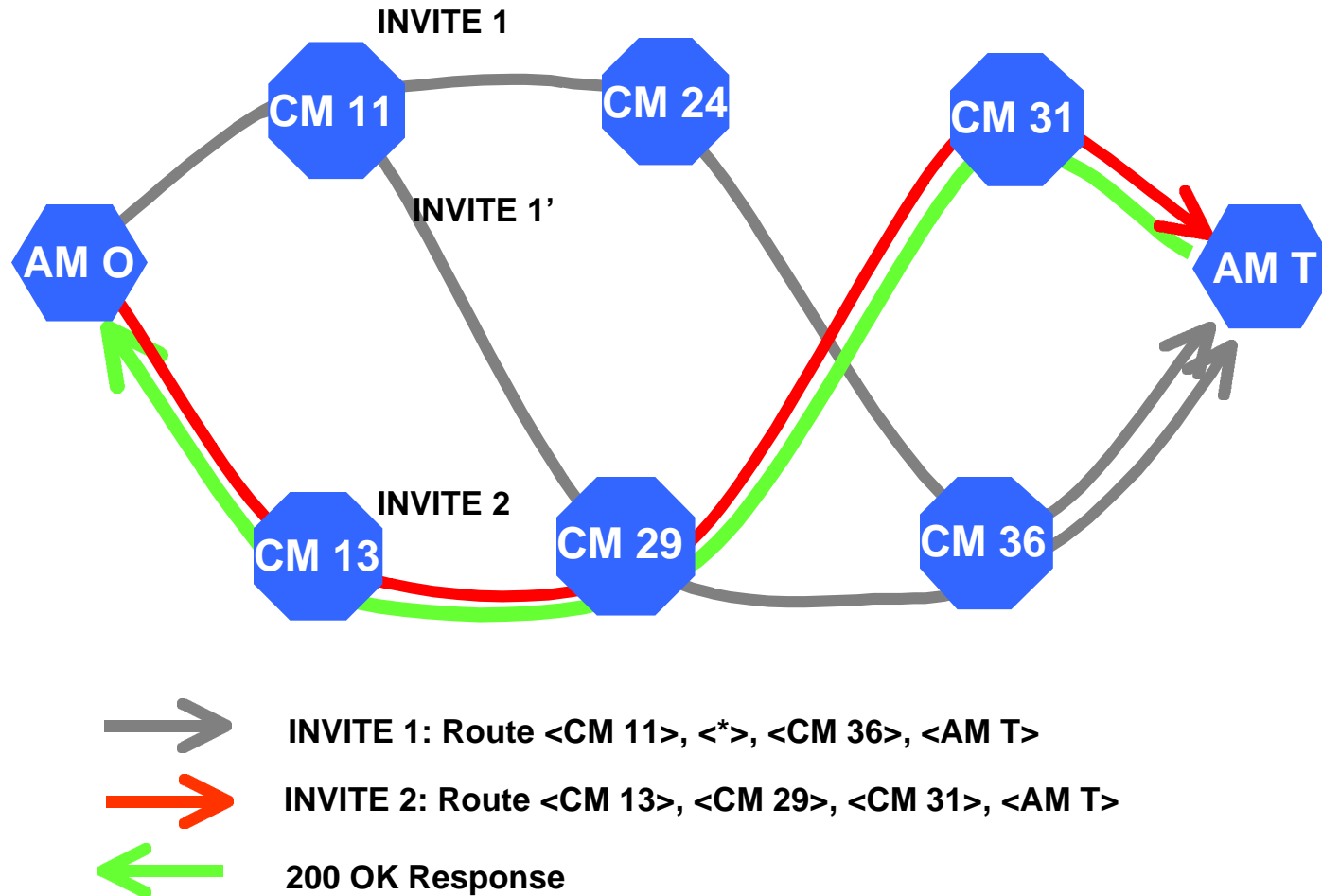
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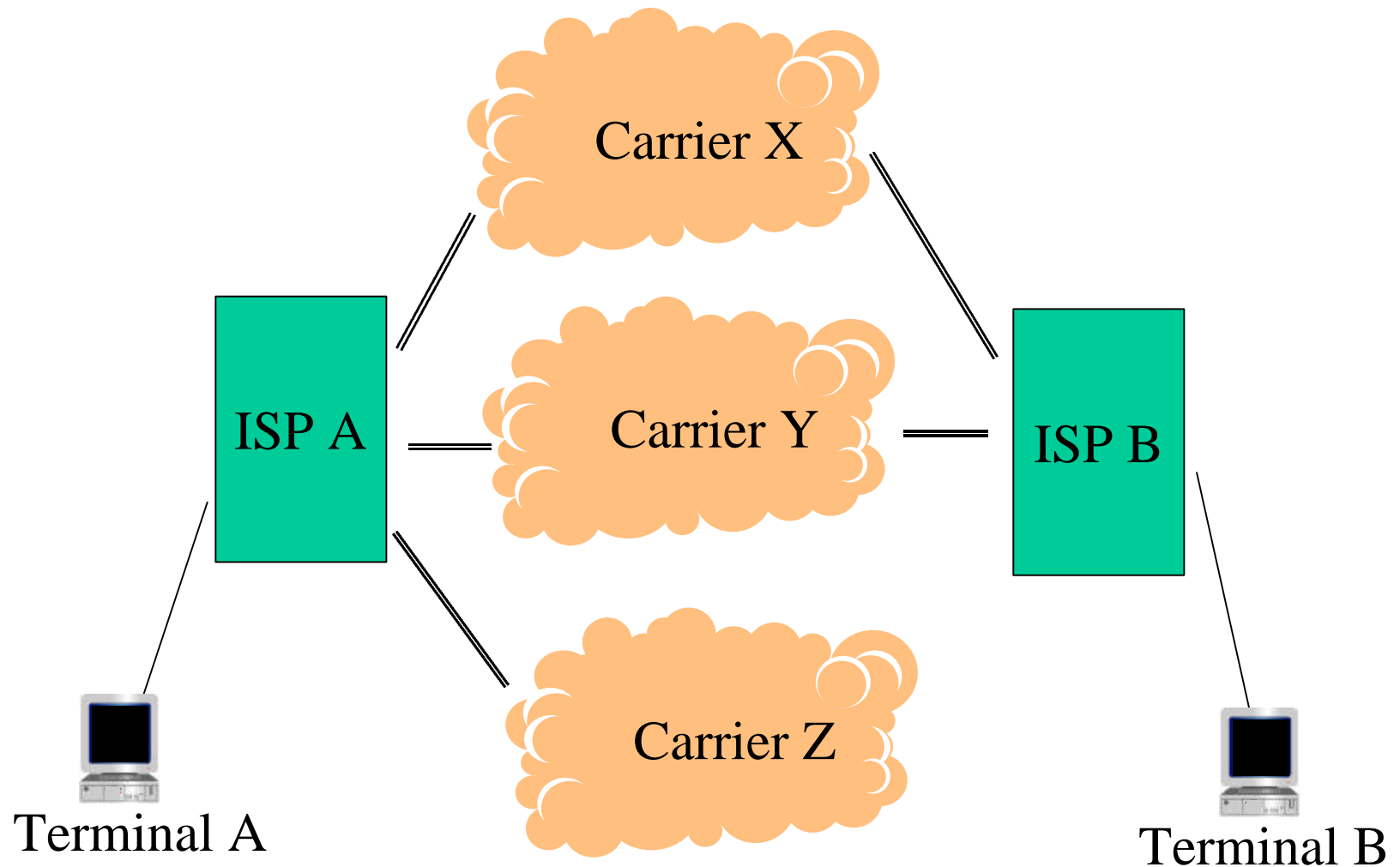
SIP controlling MPLS Paths



Path Interrogation



Example: Service Carrier Selection



SIP header modifications

- The From tag is used to convey the type of Management Node originating the INVITE.
- The To tag allows the instance of multiple INVITEs to be specified
 - tag=m(n) reads INVITE m of n, where m<n
- Wildcards in SIP-URLs used to loosely specify the Route header
 - *@nortelnetworks.com means any host at nortelnetworks
 - *@*.co.uk specifies any uk based server/network
- No Loop suppresses the addition of Via headers
 - these are added by proxies - when two forked INVITEs received with same Via header, Loop error generated