SR P2MP Policy
draft-ietf-pce-sr-p2mp-policy

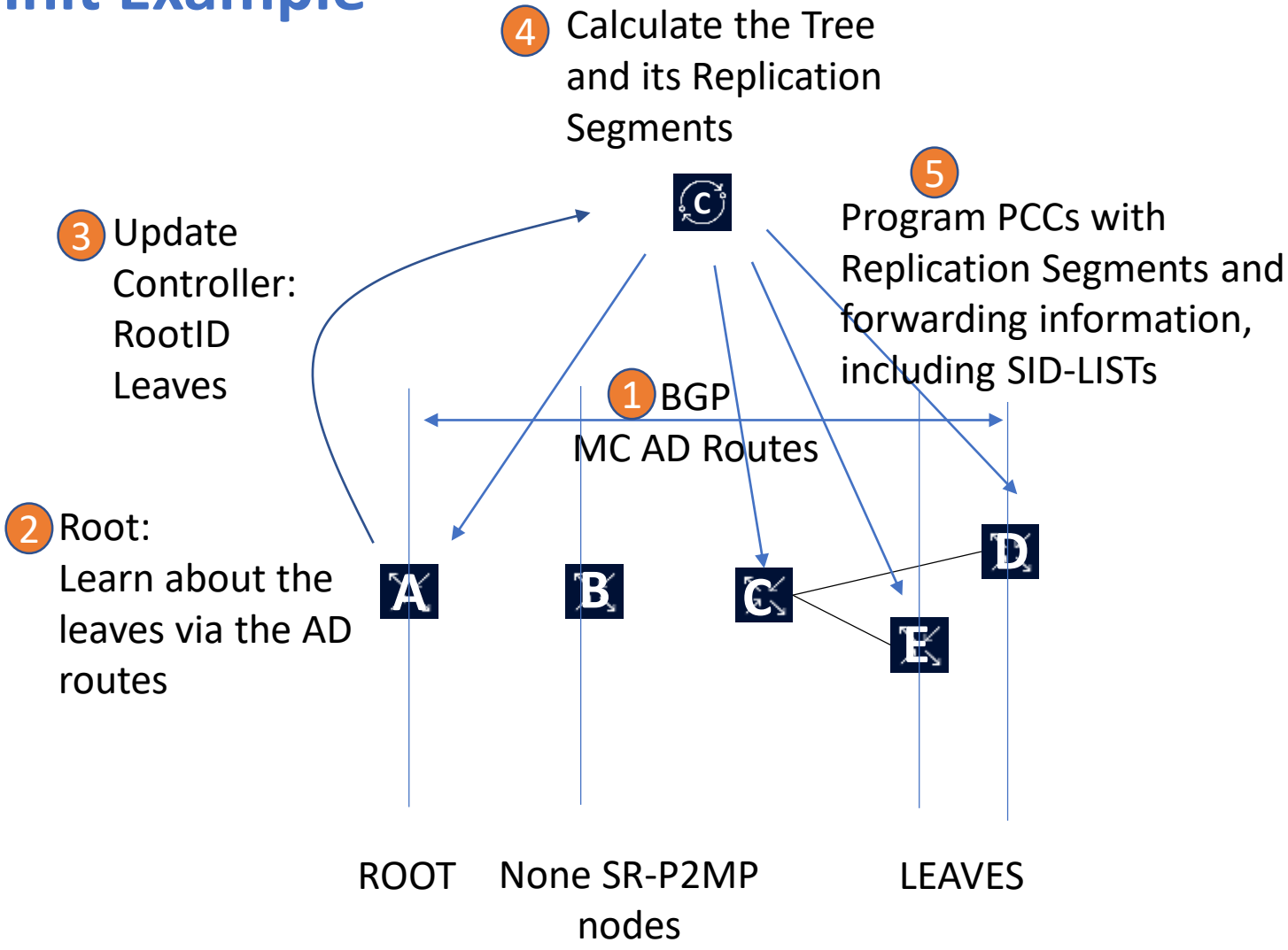
Authors:

Hooman Bidgoli, Nokia
Daniel Voyer, Bell Canada
Anuj Budhiraja, Cisco
Saranya Rajarathinam, Nokia
Tarek Saad, Juniper
Siva Sivabalan, Ciena

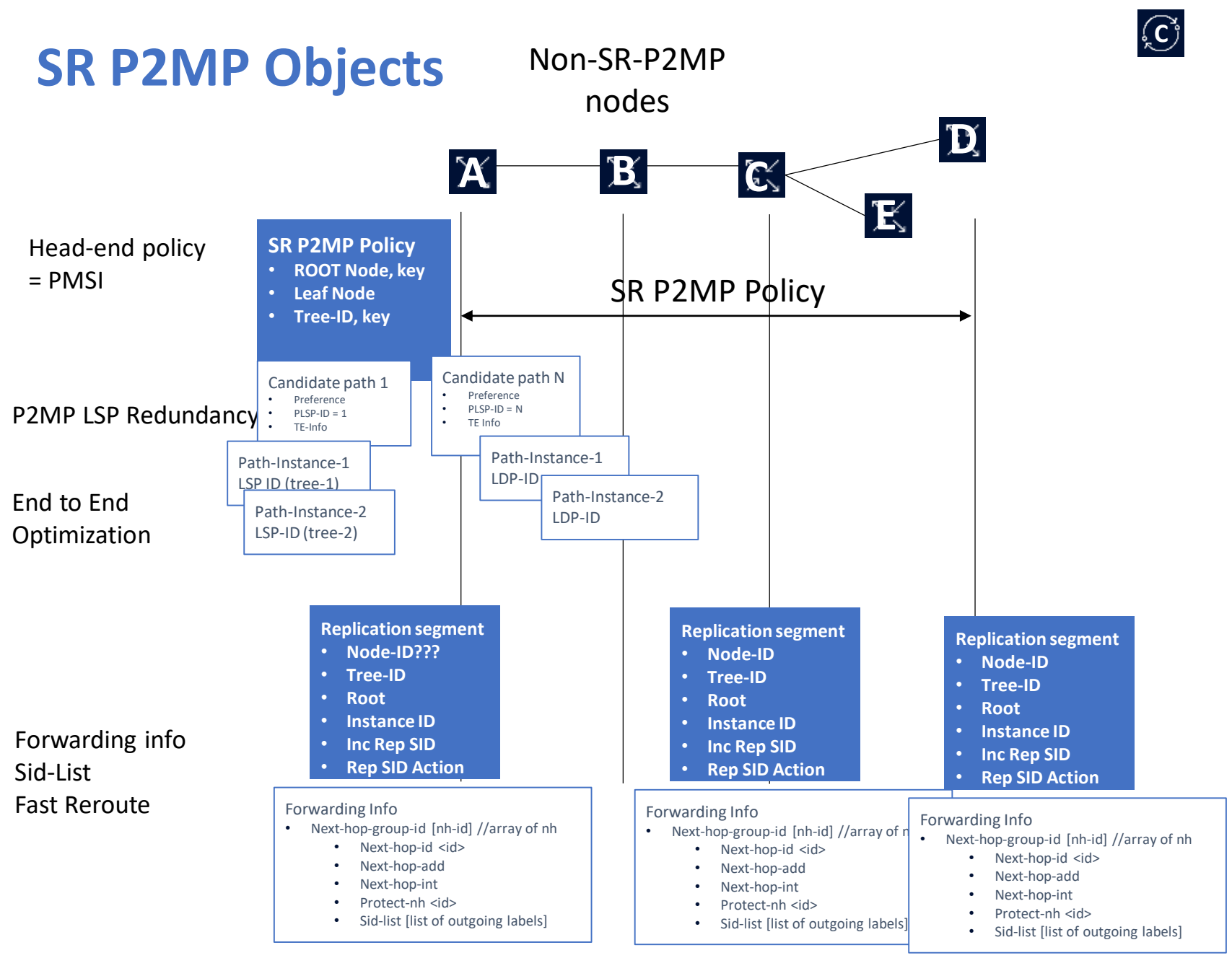
Contributor:

Andrew Stone

PCC Init Example



SR P2MP Objects



PCC Init Example

P2MP Policy objects:

<P2mp Policy> ::= <Common Header>
<SRP>
<P2MP LSP>
<association-list>

optionally a list of end-point can be added. This is true weather it is PCC initiated or PCE initiated

[<end-point-list>}

Replication Segment objects:

<Replication Segment> ::= <Common Header>
<SRP>
<P2MP LSP>
(<cci-list>|
(<CCI><intended-path>))
<cci-list> ::= <CCI>
[<cci-list>]
<intended-path> ::=
((<PATH-ATTRIB><ERO>)
[<intended-path>])

- P2MP LSP is identified via the root-id, tree-id and instance-id
  - Instance-id is unique per P2MP Policy
- On the root the Policy and Replication Segment can be downloaded via Single PCUpdate message
- CCI object Identifies the multicast state on the central controller and the incoming replication SID
- The outgoing interfaces of the multicast state are identified with Multipath and ERO objects.

Next Steps

- Comments, suggestions are welcome

Thank You!