

# Eligibility Concept in Segment Routing Policies

draft-karboubi-spring-sr-policy-eligibility-03

Amal Karboubi, Himanshu Shah, Siva Sivabalan (Ciena)

Andrew Stone (Nokia)

Christian Schmutzer (Cisco)

Praveen Maheshwari (Airtel India)

# Draft Scope / Recap

Introduced Eligibility of a CP as a new property that reflects whether a CP is eligible to carry traffic or not.

- The property will influence active CP selection in addition to existing criteria (operationally up, valid, preference, as per RFC 9256)
- Eligibility is independent of admin state of a CP, as it is crucial for some use cases to keep an ineligible path operationally up and monitored by OAM to assess when it can be reinstated as eligible.

Various network use cases could benefit from this concept , notably when eligibility embodies intent and constraints that go beyond reachability concerns.

- Draft itself does NOT dictate the conditions nor the components responsible for setting/unsetting eligibility
- Such use case drafts are [draft-karboubi-spring-sidlist-optimized-cs-sr](#) and [draft-liu-spring-sr-policy-flexible-path-selection](#)

# Draft History and Update

- Version -00 / 01 presented the concept in IETF 122
- Version 02/03 dealt with comments notably :
  - Added section on component interaction and protocol for managing eligibility
    - no preference or precedence concept between protocols
    - Generic guidelines for components mandate when setting/resetting eligibility
    - Component, protocol and criteria choices are out of scope and detailed in their own use case documents (which are not necessarily Circuit style specific).
  - Added explicit section to re-emphasize the need for keeping CP as signaled and operational, this eliminates the option of using IDR admin state and tearing path down.
  - Various text / wording adjustment for clarity

# Status and Next Steps

- Seeking feedback to progress this draft as a working group document
- Thanks to all who provided support and feedback
- Questions ?

# Thank You