

# PCE Path Profiles

[draft-alvarez-pce-path-profiles](#)

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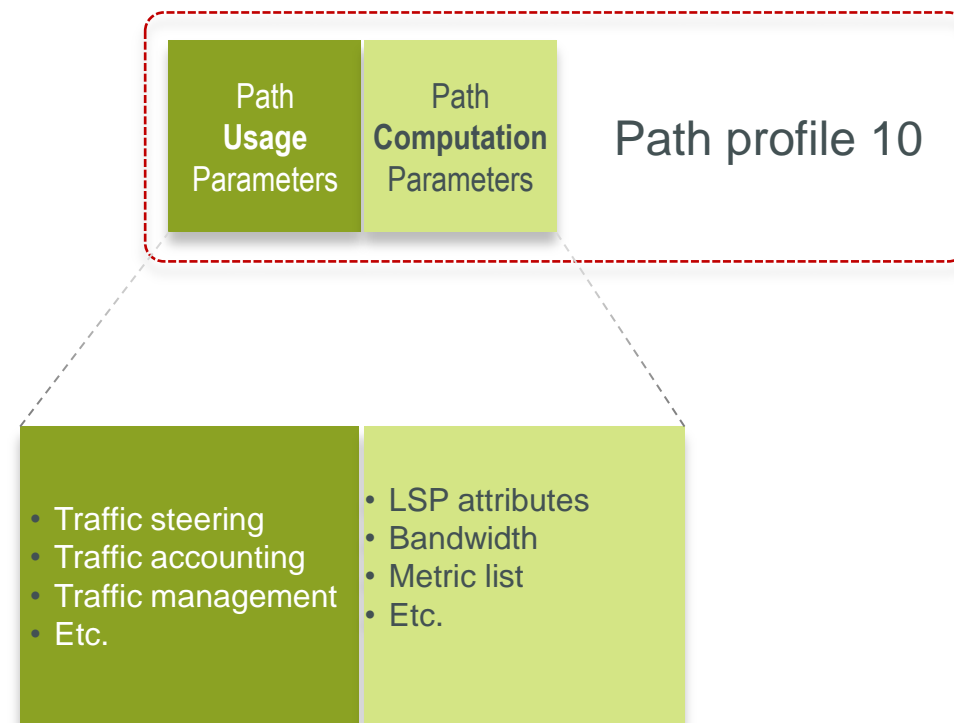
IETF 88

# Problem Statement

- PCC initiated paths cannot benefit from centralized path definition / management when relying on PCE centralized path computation
- PCE has limited ability to influence how a path that it initiates will be used

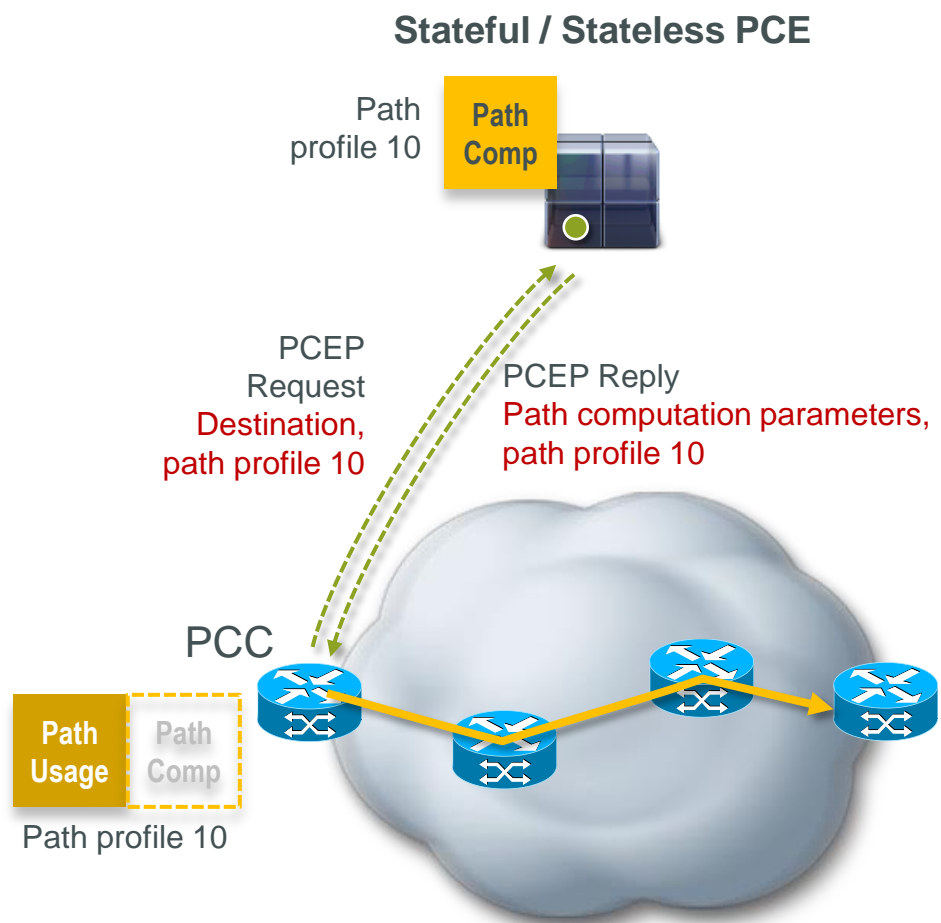
# Path Parameter Types

- Fully operational paths have two parameter types
  - Path computation parameters
  - Path usage parameters
- Path computation parameters
  - Determine path computation and/or path signaling (if using RSVP-TE)
  - Standard based
- Path usage parameters
  - Determine local behaviors on path head end
  - Not necessarily standardized (locally significant)
- Path usage and path computation parameters may interact
- Both parameters types apply to RSVP-TE signaled and Segment Routing TE paths
- **A combination of path computation and path usage parameter values define a path profile**

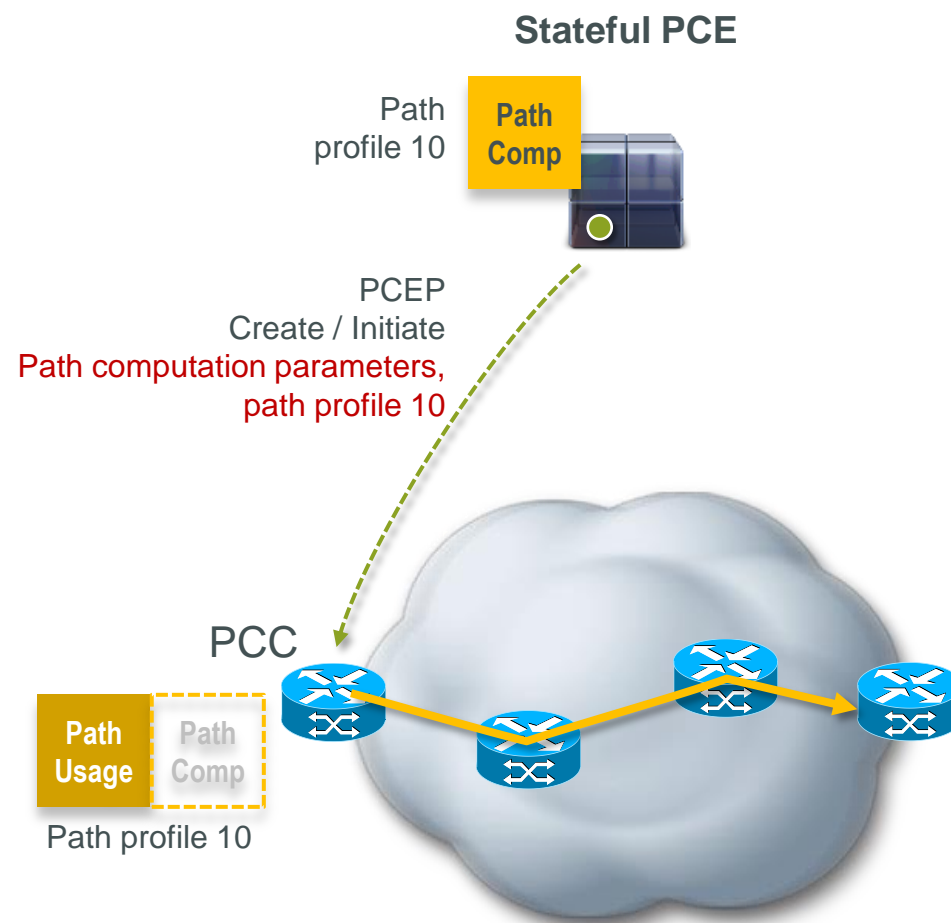


# Path Profiles in Use

## PCC-Initiated Paths



## PCE-Initiated Paths



# Next Steps

- Revise profile id space (32 bit?)
- Define optional TLVs to allow a PCE to influence some path usage parameters when initiating a path
- Add point-to-multipoint details and security considerations
- Comments?

Thank you!