# Extensions to Path Computation Element Communication Protocol (PCEP) for Hierarchical Path Computation Elements (PCE)

draft-zhang-pce-hierarchy-extensions

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# H-PCE: State of the Nation

RFC 6805
- The Application of the Path Computation Element Architecture to the Determination of a Sequence of Domains in MPLS and GMPLS

Started discussion on PCEP extensions April 2011
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H-PCE Investigated and developed for EU Projects
- ETICS
- GEYSERS
- STRONGEST
- MAINS

New EU projects
- IDEALIST

Operators who plan to utilise H-PCE
- Telefonica (described by Director Optical Transport @ IIR WDM 2013)

# draft-zhang-pce-hierarchy-extensions

Defines the PCEP extensions and procedures for the purpose of implementing Hierarchical PCE.

- Discovery
- Qualification of PCE Requests
- Objective Functions
- Metrics
- Error Objects and Handling

Out of Scope

- Destination Domain Query

# Next Steps

- Intended Status is currently Experimental
  - "Extensions are experimental and published for examination,  discussion, implementation, and evaluation."
- Any other operators or vendors working on or interested in H-PCE?
- Any existing or major issues?
- Time for WG Adoption?