Hierarchical Stateful Path Computation Element (PCE).

draft-ietf-pce-stateful-hpce-04
Quick Recap

- H-PCE + Stateful PCE = Hierarchy of Stateful PCE
- State report from Child to Parent
- Update from Parent to Child
- Initiate from Parent to Child
- Per-domain LSP
- Informational Draft as no encoding changes

Maintain the domain topology map and LSP-DB
### Status

Adopted by WG after IETF 98 (Chicago)

#### Summary of Changes since then -

<table>
<thead>
<tr>
<th>Alignment to RFC 8231, 8281</th>
<th>Support for E2E as well as per-domain LSP</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Stitching of per-domain LSP is out of scope and described in other document</td>
</tr>
</tbody>
</table>

Confidentiality

• Via Path-Key

Document has remained stable, Implementation Exist, Ready for WG LC!
H-PCE Extension

draft-ietf-pce-hierarchy-extensions-04

- RFC 6805 defined the H-PCE framework, this document is the extension!
- Last Discussed during IETF 96 by Dan
  - Moved to Standards Track after confirmation on the Mailing List
- One pending action item was identified regarding SVEC/OF
  - Related to Domain Diversity
    - A new flag in SVEC
    - A new OF Code
Quick Recap

- Capability Advertisement (H-PCE Capability)
- Domain Information (Domain-ID TLV)
- H-PCE-FLAG TLV in RP object
- OF Codes
- Metric Types
- SVEC Flags
- Error & NO-PATH
- Implementation Status

Document has remained stable, Implementation Exist, Ready for WG LC!