# Signaling Extensions for Wavelength Switched Optical Networks

# draft-ietf-ccamp-wson-signaling-05.txt

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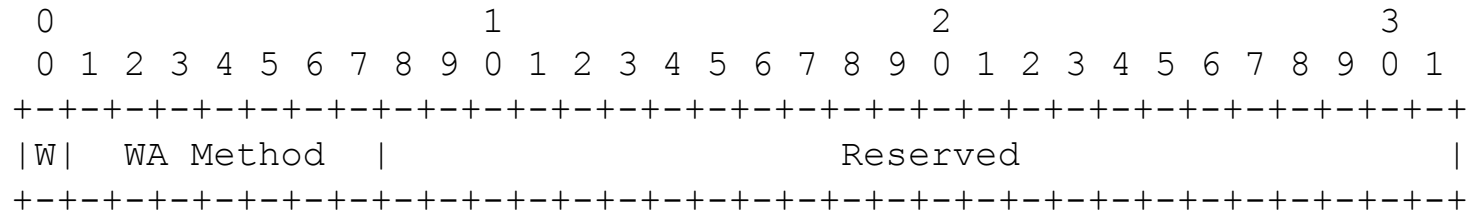G. Martinelli (Cisco)  *
Hiroaki Harai (NICT)
… and others

# Summary of Changes 04->05

- ## Section 4.2:
  - Clean up
  - Only 'Resource Block Information' sub-TLV
- ## Section 4.3:
  - Added
  - Content moved here from previous section 6.1
- ## Section 4.4
  - Added
  - Content moved here from previous section 4.2.1

# Section 4.2: Signal Attributes and Processing Capabilities

- Do not defines new objects, use <RBInfomation> from WSON-Encode WG draft.

- Added narrative describing object behavior in signaling context:
  - At least one, at most two.
  - Within RBInformation: only one RBIndentifier.

# Section 4.3: Wavelength Assignment Method Selection

```
 0                   1                   2                   3
 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
|W|  WA Method  |                   Reserved                    |
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
```

- Content moved from section 6.1 (as per discussion among authors).

- Implements distributed wavelength selection.

- Optional.

# Section 4.4: WSON Processing Object Encoding

```
<WSON_SIGNALING> ::= <RBInformation>[<RBInformation>]
                     [<WavelengthSelection>]
```

- WSON Object Definition (composed by previous sub-TLVs)

- Target intermediate hops: behavior according to draft-ietf-ccamp-lsp-attribute-ro-01

# Conclusions

- Do updates address comments from last ietf?

- A couple of appropriate comments from Cyril that may require some additional narrative.

- Last Call likely associated to rest of wson documents.