

Routing and Wavelength Assignment Information Encoding for Wavelength Switched Optical Networks

draft-ietf-ccamp-rwa-wson-encode-13.txt

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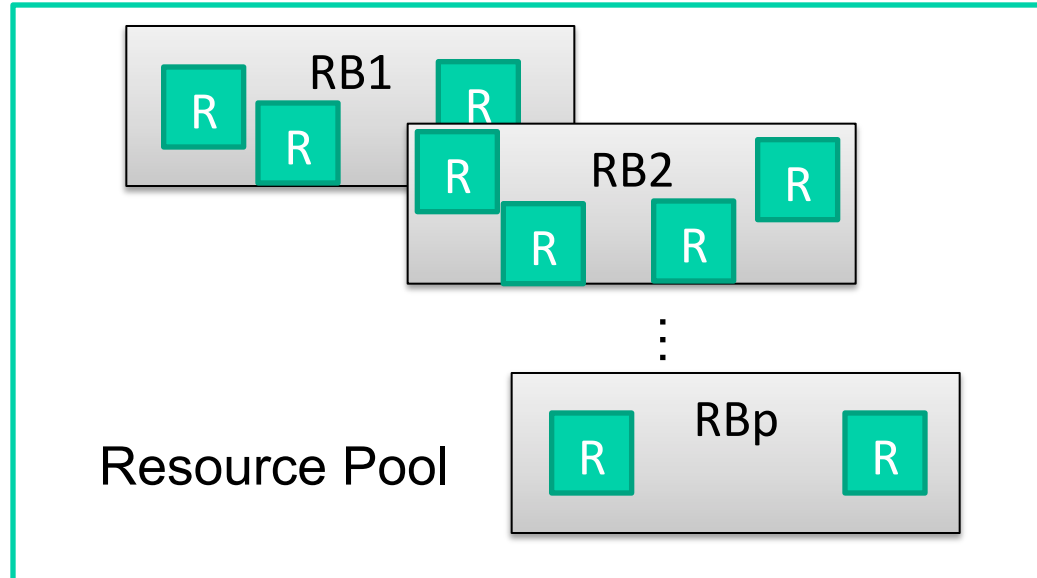
Cyril Margaria, NSN

Updates from v.11 to v.12

- Added clarifying text on Resources, Blocks, Sets, and the Resource Pool (In Section 3)
- Added clarifying text on RB and RB Set in Section 3.1.

“In a WSON node that includes resource blocks (RB), denoting subsets of these blocks allows one to efficiently describe common properties of the blocks and to describe the structure and characteristics, if non-trivial, of the resource pool. The RB Set field is defined in a similar manner to the label set concept of [RFC3471].”

Resources, Blocks, Sets and Pool



R = resource

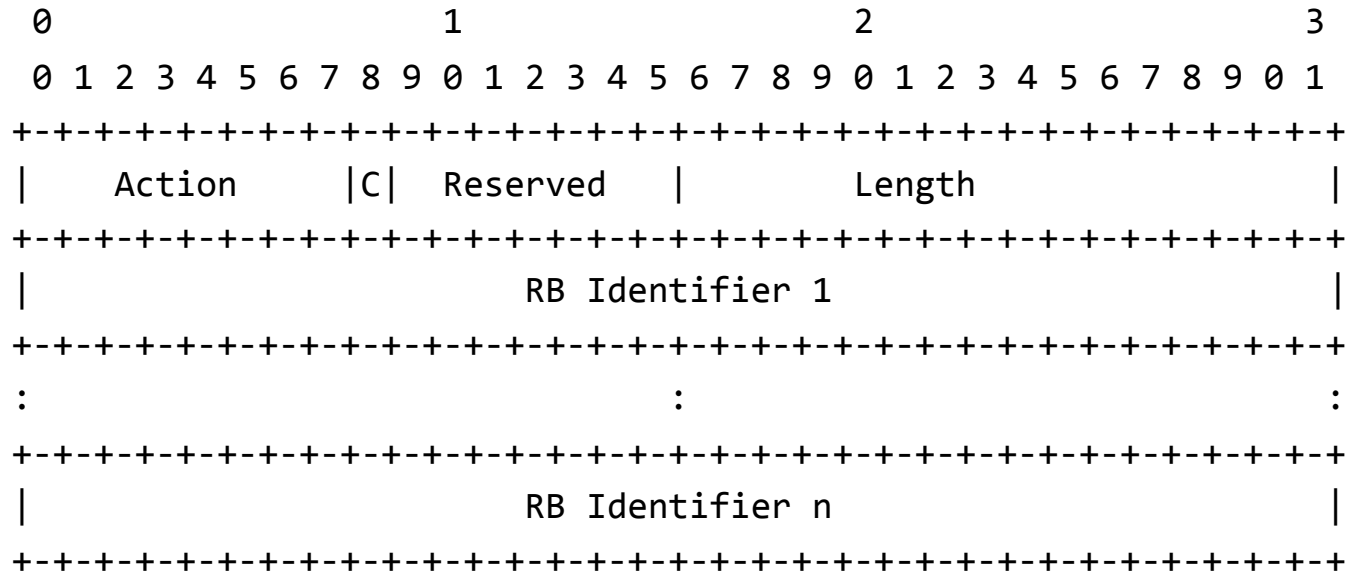
RB = resource
block

RB sets:
(RB1, RB2),
(RB2, RB3, RB4),
Etc...

- Simple hierarchy:
 - The **resource pool** is partitioned into **resource blocks** containing individual **resources**.
- Efficient and general encoding:
 - Resources blocks are combined into **sets** for encoding of common properties.

Updates from v.12 to v.13

- Editorials.
- 3.1. Resource Block Set Field
 - 16 bit RB Identifier -> 32 bit RB Identifier



- Updated the examples in appendix to reflect this change.

Next Steps

- Ready for WG LC 😊