Yang Data model for Segment Routing

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Goals

- Define Segment Routing data model
- Help for product implementation for Segment Routing

Configuration Hierarchy

```
+--rw global-block
|   +--rw Min
|   +--rw Max
+--rw segment
|   +--rw name
|   +--rw sid
|   +--rw type
|   +--rw scope
|   +--rw prefix-flag
|   +--rw adjacency-flag
+--rw fec-mapping
|   +--fec-prefix
|   +--sid
|   +--sid-label-binding-flag
+--ro sr-Label-entity
|   +--ro sid
|   +--ro incoming
|   +--ro outgoing
|   +--ro next-hop
|   +--ro header-operation
|   +--ro egress-interface
+--ro sr-path
|   +--ro name
|   +--ro ingress-sid
|   +--ro egress-sid
|   +--ro priority
|   +--ro explicit-route
|   +--ro path-type
|   +--ro frr-protection-method
```

Notification

notifications:
```
+--n sr-path-event
|  +--ro name
|  +--ro sr-path-creation
|  +--ro sr-path-deletion
|  +--ro sr-path-state
|  +--ro frr-status-change
|  +--ro path-protection-status-change
```

Comments received

- Add SRMS node
  - rabah guedrez' comments
- Remove the TE related nodes, and the forwarding label entity nodes.
  - Stephane , Acee and Rob's comments

Next Step

- Comments welcome
- Do more research based on the product implementation

Thanks!

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