YANG IS-IS Reverse Metric - 02

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Update since -00

- Added level-1 and level-2 sub-containers
- Changed flags from `type bits` to `type boolean`
- Added global `enable-receive` flag.
- Rearranged grouping.

Module Global Changes

Old Yang

```
module: ietf-isis-reverse-metric
```

New Yang

```
module: ietf-isis-reverse-metric
  augment /rt:routing
            /rt:control-plane-protocols
            /rt:control-plane-protocol
            /isis:isis:
     +--rw reverse-metric
        +--rw enable-receive?   boolean
```

Module Interface Changes

Old Yang

```
module: ietf-isis-reverse-metric
  augment /rt:routing
          ... [wrong path] ...
          /isis:interface:
      +--rw reverse-metric
         +--rw reverse-metric
         |  +--rw metric?    isis:wide-metric
         |  +--rw flags?    bits
         +--rw exclude-te-metric?    boolean
```

New Yang

```
module: ietf-isis-reverse-metric
  augment /rt:routing
          ... [correct path] ...
          /isis:interface:
    +--rw reverse-metric
       +--rw reverse-metric
       |  +--rw metric?                  isis:wide-metric
       |  +--rw flags
       |  |  +--rw whole-lan?            boolean
       |  |  +--rw allow-unreachable?    boolean
       |  +--rw exclude-te-metric?    boolean
       +--rw level-1
       |  +--rw reverse-metric
       |     +--rw metric?                  isis:wide-metric
       |     +--rw flags
       |     |  +--rw whole-lan?            boolean
       |     |  +--rw allow-unreachable?    boolean
       |     +--rw exclude-te-metric?    boolean
       +--rw level-2
          +--rw reverse-metric
             ...
```

Module Adjacency Changes

Old Yang

```
module: ietf-isis-reverse-metric
    augment /rt:routing
            ...
            /isis:adjacency:
      +--ro reverse-metric
      | +--ro metric?   isis:wide-metric
      | +--ro flags?    bits
      +--ro te-metric?        uint32
```

New Yang

```
module: ietf-isis-reverse-metric
  augment /rt:routing
              ...
              /isis:adjacency:
      +--ro reverse-metric
         +--ro metric?      isis:wide-metric
         +--ro flags
         | +--ro whole-lan?           boolean
         | +--ro allow-unreachable?   boolean
         +--ro te-metric?   uint32
```

Example XML Global Receive Enabled

```
<rt:routing
    xmlns:rt="urn:ietf:params:xml:ns:yang:ietf-routing"
    xmlns:isis="urn:ietf:params:xml:ns:yang:ietf-isis"
    xmlns:rm="urn:ietf:params:xml:ns:yang:ietf-isis-reverse-metric">
  <rt:control-plane-protocols>
    <rt:control-plane-protocol>
      <rt:type>isis:isis</rt:type>
      <rt:name>default</rt:name>
      <isis:isis>
        <isis:area-address>00</isis:area-address>
        <rm:reverse-metric>
          <rm:enable-receive>true</rm:enable-receive>
        </rm:reverse-metric>
      </isis:isis>
    </rt:control-plane-protocol>
  </rt:control-plane-protocols>
</rt:routing>
```

Example JSON Interface Config

```json
{
  "ietf-interfaces:interfaces": { ...
  "ietf-routing:routing": {
    "control-plane-protocols": {
      "control-plane-protocol": [ {
        "type": "ietf-isis:isis",
        "name": "default",
        "ietf-isis:isis": {
          "interfaces": {
            "interface": [
              {
                "name": "eth0",
                "ietf-isis-reverse-metric:reverse-metric": {
                  "level-1": {
                    "reverse-metric": {
                      "metric": 65535,
                      "exclude-te-metric": true
...
```

Moving Forward

- WG Adoption?