

LMP Behavior Negotiation

CCAMP WG, IETF 80th, Prague - CZ

draft-ietf-ccamp-lmp-behavior-negotiation-02.txt

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After Beijing (79th) Meeting

Compare with 01 version:

- Removed RFC2119 language for Backward Compatibility (Section 3)
- Explicitly state how the multiple <CONFIG> objects can be used (Section 3)
- Removed “O” bit, this draft can move forward without any dependency
 - “O” bit will be defined in “draft-ceccarelli-ccamp-gmpls-g709-lmp-test-02.txt”

New C-Type: BEHAVIOR CONFIG

- **Config Message (Msg Type = 1)** defined in [RFC4204]

Config Message in this ID:

```
<Config Message> ::=          <Common Header>
                               <LOCAL_CCID> <MESSAGE_ID>
                               <LOCAL_NODE_ID> <CONFIG> [<CONFIG> ...]
```

- **CONFIG Class = 6**
 - o C-Type = 1, HelloConfig, defined in [RFC4204]
 - o C-Type = 2, LMP_WDM_CONFIG, defined in [RFC4209]
 - o **C-Type = 3, BEHAVIOR_CONFIG, defined in This I-D**

Another Style for BEHAVIOR_CONFIG?

RFC 3392 style capabilities advertisement, refer to
BGP Capabilities Optional Parameter:

```
+-----+
| Capability Code (1 octet) |
+-----+
| Capability Length (1 octet) |
+-----+
| Capability Value (variable) |
+-----+
```

**Does LMP need to exchange configuration parameters
in a generic fashion?**

Since we just need to make the selection for the LMP
behaviors, we think the **compact** format (defined in
current draft) is ok.

How Will a Legacy LMP Node Respond?

<MESSAGE_ID> <LOCAL_NODE_ID>
<HelloConfig>|<LMP_WDM_CONFIG>
<BEHAVIOR_CONFIG>

-- unknown BEHAVIOR_CONFIG object

- **Reject** -- multiple <CONFIG> objects
- **Ignore** the second <CONFIG> object (behavior config)

The LSR receives a ConfigNack message, **MUST revert to current practices** of configuration or discovery.

Next Steps

- Seems it's redundant because RFC4204 is mandatory
- Draft is quiet simple and stable, ready for WG LC?
- Comments?