

# OAM

draft-barthel-schc-oam-schc

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# draft-barthel-schc-oam-schc

- Scope

- ICMPv6 compression: specification of RFC 4443 fields (error + ping)
- SCHC generates ICMPv6 messages
- Optimizations for LPWAN networks
  - Global Actions (proxy-ping)
  - New MO/CDA

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# New things

```
>pyang -f identifiers ietf-schc-oam@2024-01-19.yang
```

```
nodes:
```

```
  proxy-behavior
```

```
  proxy-behavior-value
```

```
typedefs:
```

```
  proxy-type
```

```
identities:
```

```
  cda-compress-sent
```

```
  cda-rev-compress-sent
```

```
  fid-icmpv6-base-type
```

```
  fid-icmpv6-checksum
```

```
  fid-icmpv6-code
```

```
  fid-icmpv6-identifier
```

```
  fid-icmpv6-mtu
```

```
  fid-icmpv6-payload
```

```
  fid-icmpv6-pointer
```

```
  fid-icmpv6-sequence
```

```
  fid-icmpv6-type
```

```
  mo-rev-rule-match
```

```
  mo-rule-match
```

```
  proxy-none
```

```
  proxy-pingv6
```

```
  proxy-schc-message
```



Fields in RFC4443

# New things

```
>pyang -f tree ietf-schc-oam@2024-01-19.yang  
module: ietf-schc-oam
```

```
augment /schc:schc/schc:rule/schc:nature/schc:compression:  
  +- -rw proxy-behavior?          schc-oam:proxy-type  
  +- -rw proxy-behavior-value* [index]  
    +- -rw index      uint16  
    +- -rw value?    binary
```

Change Proxy by action or processing ?

# draft-barthel-schc-oam-schc

- Working group adoption ?
- OAM or ICMPv6 ?