

```

module: ietf-dots-signal-channel
++rw structure ietf-dots-signal-channel:
  ++ dots-signal
    ++rw
    ++ (message-type)?
    ++: (mitigation-scope)
      | ++rw ++ scope* {euid-mid}
      | ++rw ++ edid? string
      | ++rw ++ euid string
      | ++rw ++ mid uint32
      | ++rw ++ target-prefix* inet:ip-prefix
      | ++rw ++ target-port-range* [lower-port]
      | | ++rw ++ lower-port inet:port-number
      | | ++rw ++ upper-port? inet:port-number
      | ++rw ++ target-protocol* uint8
      | ++rw ++ target-fqdn* inet:domain-name
      | ++rw ++ target-uri* inet:uri
      | ++rw ++ alias-name* string
      | ++rw ++ lifetime? int32
      | ++rw ++ trigger-mitigation? boolean
      | ++ro ++ (direction)?
      | ++: (client-to-server)
      | | ++ mid? uint32
      | ++: (server-to-client)
      | ++ mitigation-start? uint64
      | ++ro ++ status? iana-signal:status
      | ++ro ++ conflict-information
      | | ++ro ++ conflict-status? iana-signal:conflict-status
      | | ++ro ++ conflict-cause? iana-signal:conflict-cause
      | | ++ro ++ retry-timer? uint32
      | | ++ro ++ conflict-scope
      | | | ++ro ++ target-prefix* inet:ip-prefix
      | | | ++ro ++ target-port-range* [lower-port]
      | | | | ++ro ++ lower-port inet:port-number
      | | | | ++ro ++ upper-port? inet:port-number
      | | | ++ro ++ target-protocol* uint8
      | | | ++ro ++ target-fqdn* inet:domain-name
      | | | ++ro ++ target-uri* inet:uri
      | | | ++ro ++ alias-name* string
      | | | ++ro ++ acl-list* [acl-name]
      | | | | ++ro ++ acl-name -> /ietf-data:dots-data/dots-client/acls/acl/name
      | | | | ++ro ++ acl-type? -> /ietf-data:dots-data/dots-client/acls/acl/type
      | | | ++ro ++ mid? -> ../..../mid uint32
      | | ++ro ++ bytes-dropped? yang:zero-based-counter64
      | | ++ro ++ bps-dropped? yang:gauge64
      | | ++ro ++ pkts-dropped? yang:zero-based-counter64
      | | ++ro ++ pps-dropped? yang:gauge64
      | | ++rw ++ attack-status? iana-signal:attack-status
    ++: (signal-config)
      | ++rw ++ sid uint32
      | ++rw ++ mitigating-config
      | | ++rw ++ heartbeat-interval
      | | | ++ro ++ (direction)?
      | | | | ++: (server-to-client)
      | | | | ++ max-value? uint16
      | | | | ++ro | ++ min-value? uint16
      | | | | ++rw ++ current-value? uint16
      | | | ++rw ++ missing-hb-allowed
      | | | | ++ro ++ (direction)?
      | | | | ++: (server-to-client)
      | | | | ++ max-value? uint16
      | | | | ++ro | ++ min-value? uint16
      | | | | ++rw ++ current-value? uint16
      | | | ++rw ++ probing-rate
      | | | | ++ro ++ (direction)?
      | | | | ++: (server-to-client)
      | | | | ++ max-value? uint16
      | | | | ++ro | ++ min-value? uint16
      | | | | ++rw ++ current-value? uint16
      | | | ++rw ++ max-retransmit
      | | | | ++ro ++ (direction)?
      | | | | ++: (server-to-client)

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| | | | +-- max-value?   uint16
| | | | +-- min-value?   uint16
| | | | +-- current-value? uint16
| | | | +-- ack-timeout
| | | | +-- (direction)?
| | | | +--:(server-to-client)
| | | | +-- max-value-decimal? decimal64
| | | | +-- min-value-decimal? decimal64
| | | | +-- current-value-decimal? decimal64
| | | | +-- ack-random-factor
| | | | +-- (direction)?
| | | | +--:(server-to-client)
| | | | +-- max-value-decimal? decimal64
| | | | +-- min-value-decimal? decimal64
| | | | +-- current-value-decimal? decimal64
| | | | +-- idle-config
| | | | +-- heartbeat-interval
| | | | +-- (direction)?
| | | | +--:(server-to-client)
| | | | +-- max-value?   uint16
| | | | +-- min-value?   uint16
| | | | +-- current-value? uint16
| | | | +-- missing-hb-allowed
| | | | +-- (direction)?
| | | | +--:(server-to-client)
| | | | +-- max-value?   uint16
| | | | +-- min-value?   uint16
| | | | +-- current-value? uint16
| | | | +-- probing-rate
| | | | +-- (direction)?
| | | | +--:(server-to-client)
| | | | +-- max-value?   uint16
| | | | +-- min-value?   uint16
| | | | +-- current-value? uint16
| | | | +-- max-retransmit
| | | | +-- (direction)?
| | | | +--:(server-to-client)
| | | | +-- max-value?   uint16
| | | | +-- min-value?   uint16
| | | | +-- current-value? uint16
| | | | +-- ack-timeout
| | | | +-- (direction)?
| | | | +--:(server-to-client)
| | | | +-- max-value-decimal? decimal64
| | | | +-- min-value-decimal? decimal64
| | | | +-- current-value-decimal? decimal64
| | | | +-- ack-random-factor
| | | | +-- (direction)?
| | | | +--:(server-to-client)
| | | | +-- max-value-decimal? decimal64
| | | | +-- min-value-decimal? decimal64
| | | | +-- current-value-decimal? decimal64
| | | | +--:(redirected-signal)
| | | | +-- (direction)?
| | | | +--:(server-to-client)
| | | | +-- alt-server      string
| | | | +-- alt-server-record* inet:ip-address
| | | | +--:(heartbeat)
| | | | +-- peer-hb-status      boolean

```