

```

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)?
        | +--: (server-to-client)
        | | + mid? uint32
        | | + 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)
        | | | | | | +-- max-value? uint16

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

```