

```

module: ietf-dots-signal-channel
++rw structure ietf-dots-signal-channel:
  ++ dots-signal
    ++rw
    +-- (message-type)?
      +--: (mitigation-scope)
        | ++rw ++ scope* [euid mid] [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
        | ++rw ++ (direction)?
        | +--: (server-to-client)
        | | ++rw ++ mitigation-start? uint64
        | | ++rw ++ status? iana-signal:status
        | | ++rw ++ conflict-information
        | | | ++rw ++ conflict-status? iana-signal:conflict-status
        | | | ++rw ++ conflict-cause? iana-signal:conflict-cause
        | | | ++rw ++ retry-timer? uint32
        | | | ++rw ++ conflict-scope
        | | | | ++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 ++ acl-list* [acl-name]
        | | | | | ++rw ++ acl-name -> /ietf-data:dots-data/dots-client/acls/acl/name
        | | | | | ++rw ++ acl-type? -> /ietf-data:dots-data/dots-client/acls/acl/type
        | | | | | ++rw ++ mid? -> ../../../../mid
        | | | ++rw ++ bytes-dropped? yang:zero-based-counter64
        | | | ++rw ++ bps-dropped? yang:gauge64
        | | | ++rw ++ pkts-dropped? yang:zero-based-counter64
        | | | ++rw ++ pps-dropped? yang:gauge64
        | | ++rw ++ attack-status? iana-signal:attack-status
      +--: (signal-config)
        | ++rw ++ sid uint32
        | ++rw ++ mitigating-config
        | | ++rw ++ heartbeat-interval
        | | | ++rw ++ current-value? uint16
        | | | ++rw ++ (direction)?
        | | | +--: (server-to-client)
        | | | | ++rw ++ max-value? uint16
        | | | | ++rw ++ min-value? uint16
        | | | ++rw ++ missing-hb-allowed
        | | ++rw | ++ current-value? uint16
        | | ++rw missing-hb-allowed | ++ (direction)?
        | | | ++rw | ++ (server-to-client)
        | | | | ++rw ++ max-value? uint16
        | | | | ++rw ++ min-value? uint16
        | | | ++rw ++ probing-rate
        | | | ++rw | ++ current-value? uint16
        | | | ++rw probing-rate | ++ (direction)?
        | | | +--: (server-to-client)
        | | | | ++rw | ++ max-value? uint16
        | | | | ++rw ++ min-value? uint16
        | | | ++rw ++ max-retransmit
        | | ++rw | ++ current-value? uint16
        | | ++rw max-retransmit | ++ (direction)?
        | | | ++rw | ++ (server-to-client)
        | | | | ++rw ++ max-value? uint16
        | | | | ++rw ++ min-value? uint16
        | | | ++rw ++ ack-timeout
        | ++rw current-value? uint16 | | ++rw ack-timeout ++ current-value-decimal? decimal64
        | | | ++rw ++ (direction)?
        | | | +--: (server-to-client)
        | | | | ++rw ++ max-value-decimal? decimal64

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```

| | | ro +-- min-value-decimal? decimal64
| | | ack-random-factor
| | | rw +-- current-value-decimal? decimal64
| | | rw ack-random-factor +-- (direction)?
| | | ro max-value-decimal? decimal64 +--:(server-to-client)
| | | ro min-value-decimal? +-- max-value-decimal? decimal64
| | | rw current-value-decimal? +-- min-value-decimal? decimal64
| rw +-- idle-config
| rw +-- heartbeat-interval
| | | ro +-- current-value? uint16
| | | +-- (direction)?
| | | +--:(server-to-client)
| | | +-- max-value? uint16
| | | ro +-- min-value? uint16
| | | missing-hb-allowed
| rw | +-- current-value? uint16
| rw missing-hb-allowed | +-- (direction)?
| | | ro +--:(server-to-client)
| | | +-- max-value? uint16
| | | ro +-- min-value? uint16
| | | +-- probing-rate
| | | | rw +-- current-value? uint16
| | | | rw probing-rate | +-- (direction)?
| | | | ro +--:(server-to-client)
| | | | +-- max-value? uint16
| | | | ro +-- min-value? uint16
| | | +-- max-retransmit
| | | | rw +-- current-value? uint16
| | | | rw max-retransmit | +-- (direction)?
| | | | +--:(server-to-client)
| ro | +-- max-value? uint16
| | ro +-- min-value? uint16
| | +-- ack-timeout
| rw current-value? uint16 | rw ack-timeout +-- current-value-decimal? decimal64
| | +-- (direction)?
| | +--:(server-to-client)
| ro | +-- max-value-decimal? decimal64
| | ro +-- min-value-decimal? decimal64
| | +-- ack-random-factor
| | | rw +-- current-value-decimal? decimal64
| | | rw ack-random-factor +-- (direction)?
| | | ro +--:(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

```