```
module: ietf-dots-signal-channel
  +--rw dots-signal
     +--rw

  structure dots-signal:
    +-- (message-type)?
       +--:(mitigation-scope)
       |  +--rw  +-- scope* [cuid mid] []
       |     +--rw cdid?                    string
       |     +--rw cuid                     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-only)
       |           +-- 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   leafref
       |        |     |  +--ro +-- acl-type?  -> /ietf-data:dots-data/dots-client/acls/acl/type   leafref
       |        |     |  +--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-only)
       |  |  |  |     +-- max-value?   uint16
       |  |  |  +--ro |     +-- min-value?   uint16
       |  |  |  +--rw +-- current-value?      uint16
       |  |  +--rw +-- missing-hb-allowed
       |  |  |  +--ro +-- (direction)?
       |  |  |  |  +--:(server-to-client-only)
       |  |  |  |     +-- max-value?   uint16
       |  |  |  +--ro |     +-- min-value?   uint16
       |  |  |  +--rw +-- current-value?      uint16
       |  |  +--rw +-- probing-rate
       |  |  |  +--ro +-- (direction)?
       |  |  |  |  +--:(server-to-client-only)
       |  |  |  |     +-- max-value?   uint16
       |  |  |  +--ro |     +-- min-value?   uint16
       |  |  |  +--rw +-- current-value?      uint16
       |  |  +--rw +-- max-retransmit
       |  |  |  +--ro +-- (direction)?
       |  |  |  |  +--:(server-to-client-only)
       |  |  |  |     +-- max-value?   uint16
       |  |  |  +--ro |     +-- min-value?   uint16
```

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