```
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)?
       |        +--:(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   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)
       |  |  |  |     +-- 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
| +--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
```