```
module: ietf-dots-telemetry
  augment
  augment-structure /ietf-signal:dots-signal/ietf-signal:message-type
                      /ietf-signal:mitigation-scope/ietf-signal:scope:
    +--ro total-traffic* [unit]
    +-- (direction)? {dots-telemetry}?
                                   unit +--:(server-to-client)
    +--ro low-percentile-g? yang:gauge64
    | +--ro mid-percentile-g? yang:gauge64
    +--ro high-percentile-g? yang:gauge64
   +--ro peak-g? yang:gauge64
    +--rw total-attack-traffic* +-- total-traffic* [unit] {dots-telemetry}?
| +--rw | +-- unit unit
    +-- total-attack-connection {dots-telemetry}?
                 +-- low-percentile-c
              | +--ro +-- connection?
| +--ro +-- embryonic?
                                                     yang:gauge64
                                                    yang:gauge64
              | +--ro +-- connection-ps? yang:gauge64
| +--ro +-- request-ps? yang:gauge64
              | +--ro +-- request-ps? yang:gauge64
| +--ro +-- partial-request-ps? yang:gauge64
                  +-- mid-percentile-c
                +--ro +-- connection?
+--ro +-- embryonic?
                                                    yang:gauge64
              | +--ro +-- partial-request-ps? yang:gauge64
                  +-- high-percentile-c
              | +--ro +-- connection?
| +--ro +-- embryonic?
                                                    yang:gauge64
             | +--ro +-- embryonic? yang:gauge64
| +--ro +-- connection-ps? yang:gauge64
| +--ro +-- request-ps? yang:gauge64
             | +--ro +-- partial-request-ps? yang:gauge64
                    +-- peak-c
                      +-- connection?
+-- embryonic?
                                                       yang:gauge64
                                                       yang:gauge64
                       +-- connection-ps? yang:gauge64
+-- request-ps? yang:gauge64
+-- partial-request-ps? yang:gauge64
           <del>+--ro</del>
           <del>+--ro</del>
                           +-- partial-request-ps? yang:gauge64
    +--rw
    +-- total-attack-traffic* [unit] {dots-telemetry}?
    +-- unit unit

+-- low-percentile-g? yang:gauge64

+-- mid-percentile-g? yang:gauge64

+-- high-percentile-g?
    | +-- high-percentile-g? yang:gauge64
| +-- peak-g? yang:gauge64
    +-- attack-detail* [vendor-id attack-id] {dots-telemetry}?
       +-- vendor-id
                                    uint32
       +-- attack-id
                                    uint32
       +-- attack-description? string
       +-- attack-severity? attack-severity
       +-- start-time? uint64
       +--rw
       +-- end-time?
                           uint64
       +--rw
       +-- source-count
       | +--rw +-- low-percentile-g? yang:gauge64
| +--rw +-- mid-percentile-g? yang:gauge64
        | +--rw +-- high-percentile-g? yang:gauge64
```

```
| <del>+--rw</del> +-- peak-g?
                                            yang:gauge64
     +--rw
     +-- top-talker
        +--rw
        +-- talker* [source-prefix]
            +-- spoofed-status?
                                             boolean
            +-- source-prefix
                                              inet:ip-prefix
            +-- source-port-range* [lower-port]
            +--rw +-- lower-port inet:port-number
            | +--rw +-- upper-port? inet:port-number
            +--rw
            +-- source-icmp-type-range* [lower-type]
            | +--rw +-- lower-type uint8
            | +--rw +-- upper-type? uint8
            +--rw
            +-- total-attack-traffic* [unit]
            | <del>+--rw</del> +-- peak-g?
                                         yang:gauge64
            +-- total-attack-connection
               +-- low-percentile-c
               | +--rw +-- connection? yang:gauge64
| +--rw +-- embryonic? yang:gauge64
| +--rw +-- connection-ps? yang:gauge64
| +--rw +-- request-ps? yang:gauge64
| +--rw +-- partial-request-ps? yang:gauge64
               +--rw
               +-- mid-percentile-c
               | +--rw +-- connection? yang:gauge64
| +--rw +-- embryonic? yang:gauge64
| +--rw +-- connection-ps? yang:gauge64
| +--rw +-- request-ps? yang:gauge64
               +--rw +-- partial-request-ps? yang:gauge64
               +-- high-percentile-c
               | +--rw +-- connection? yang:gauge64
| +--rw +-- embryonic? yang:gauge64
| +--rw +-- connection-ps? yang:gauge64
| +--rw +-- request-ps? yang:gauge64
               | +--rw +-- partial-request-ps? yang:gauge64
               +--rw
               +-- peak-c
                   +--rw
                   +-- connection?
                                              yang:gauge64
                   +--rw
                   +-- embryonic?
                                               yang:gauge64
                   +--rw
                                               yang:gauge64
                   +-- connection-ps?
                   +--rw
                                               yang:gauge64
                   +-- request-ps?
                   +-- partial-request-ps? yang:gauge64
augment-structure /ietf-signal:dots-signal/ietf-signal:message-type:
 +--: (telemetry-setup) {dots-telemetry}?
  | +--ro +-- (direction)?
  | | +--: (server-to-client)
         +-- max-config-values
  1 1
```

```
percentile
| +--ro | +-- telemetry-notify-interval? uint32
<del>+--ro</del>
                +-- min-config-values
+--ro | +-- supported-units | +--ro | +-- unit-config* [unit]
      +--ro | +-- unit unit-type

+--ro | +-- unit-status boolean
+--ro | +-- query-type* query-type
+--rw +-- telemetry* [cuid tsid]
    +--rw +-- cuid
                                                             string
    <del>+--rw</del>
                 +-- cdid?
                                                             string
    +--rw +-- tsid
+--rw +-- (setup-type)?
                                                             uint32
        +--: (telemetry-config)
         | +--rw +-- current-config
                +--rw +-- measurement-interval? interval

+--rw +-- measurement-sample? sample

+--rw +-- low-percentile? percentile

+--rw +-- mid-percentile? percentile

+--rw +-- high-percentile? percentile

+--rw +-- unit-config* [unit]

| +--rw +-- unit unit-type

| +--rw +-- unit-status boolean
                 +--rw +-- server-originated-telemetry? boolean +--rw +-- telemetry-notify-interval? uint32
                +--rw
         +--:(pipe)
            +--rw +-- total-pipe-capacity* [link-id unit]
                +--rw +-- link-id nt:link-id
+--rw +-- capacity uint64
                +--rw +-- unit unit
         +--: (baseline)
                                +-- baseline* [id]
                                       +-- id
                                        +-- target-prefix*
                                                                                                  inet:ip-prefix
                                        +-- target-port-range* [lower-port]
                 | +--rw +-- lower-port inet:port-number | +--rw +-- upper-port? inet:port-number
                 +--rw +-- target-protocol*
                                                                                                  uint.8
                                        +-- target-fqdn*
                 +--rw
                                                                                                  inet:domain-name
                                        +-- target-uri*
                 +--rw
                                                                                                  inet:uri
                 <del>+--rw</del>
                                        +-- alias-name*
                                                                                                  string
                                         +-- total-traffic-normal* [unit]
                 +--rw
                 | +--rw +-- unit unit |
| +--rw +-- low-percentile-g? yang:gauge64 |
| +--rw +-- mid-percentile-g? yang:gauge64 |
| +--rw +-- high-percentile-g? yang:gauge64 |
| +--rw +-- peak-α?
                 | <del>+--rw</del> +-- peak-g?
                                                               yang:gauge64
                                  +-- total-traffic-normal-per-protocol* [unit protocol]
                 | +--rw +-- protocol uint8
| +--rw +-- unit unit
| +--rw +-- low-percentile-g? yang:gauge64
| +--rw +-- mid-percentile-g? yang:gauge64
                 +--rw +-- mid-percentile-g? yang:gauge64
yang:gauge64
yang:gauge64
yang:gauge64
yang:gauge64
yang:gauge64
                                   +-- total-traffic-normal-per-port* [unit port]
                 | <del>+--rw</del> +-- port
                                                inet:port-number
                    <del>+--rw</del> +-- unit
                                                              unit
                 +--rw +-- low-percentile-g? yang:gauge64
+--rw +-- mid-percentile-g? yang:gauge64
                 | +--rw +-- high-percentile-g? yang:gauge64
| +--rw +-- peak-g? yang:gauge64
                                      +-- total-connection-capacity* [protocol]
```

```
| +--rw +-- protocol
                                                                         uint8
                     +--rw +-- protocol

+--rw +-- connection?

+--rw +-- connection-client?
                                                                         uint64
                                                                        uint64
                      +--rw +-- embryonic?
                                                                        uint64
                     +--rw +-- embryonic?

+--rw +-- embryonic-client?
                                                                        uint64
                   | +--rw +-- connection-ps?
                                                                        uint64
                   +--rw +-- connection-client-ps?
                                                                        uint64
                   +--rw +-- request-ps?
+--rw +-- request-client-ps?
+--rw +-- partial-request-ps?
                                                                        uint64
                                                                         uint64
                                                                         uint64
                   +--rw +-- partial-request-client-ps? uint64
                                   +-- total-connection-capacity-per-port* [protocol port]
                                                  . port
+-- protocol
                      +--rw
                                                                                             inet:port-number
                       +--rw
                                                                                             uint8
                                                  +-- connection?
                                                                                            uint64
                      +--rw
                                                  +-- connection-client?
                                                                                           uint64
                      +--rw
                                                                                           uint64
                                                 +-- embryonic-client?
+-- connection-ps?
                                                  +-- embryonic?
                      +--rw
                      +--rw
                                                                                           uint64
                                                +-- connection-ps? uint64
+-- connection-client-ps? uint64
+-- request-ps? uint64
+-- request-client-ps? uint64
+-- partial-request-ps? uint64
+-- partial-request-client-ps? uint64
                       +--rw
                       +--rw
                       +--rw
                       +--rw
                       +--rw
+--: (telemetry) {dots-telemetry}?
   +-- pre-or-ongoing-mitigation* [cuid tmid]
       +-- cuid
                                                       string
       +--rw
       +-- cdid?
                                                       string
       +-- tmid
                                                       uint32
       +---
       +-- target
       | +--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:doma
| +-rw +- target-uri* inet:uri
| +-rw +- alias-name* string
| +-rw +- mid-list* uint32
                                                  inet:domain-name
       +-- total-traffic* [unit]
       | +--rw +-- unit unit
| +--rw +-- low-percentile-g? yang:gauge64
| +--rw +-- mid-percentile-g? yang:gauge64
       | +--rw +-- high-percentile-g? yang:gauge64
       | <del>+--rw</del> +-- peak-g?
                                                   yang:gauge64
       +-- total-traffic-protocol* [unit protocol]
       | +--rw +-- protocol uint8
          <del>+--rw</del> +-- unit
          +--rw +-- low-percentile-g? yang:gauge64
+--rw +-- mid-percentile-g? yang:gauge64
          +--rw +-- mid-percentile-g? yang:gauge64

+--rw +-- high-percentile-g? yang:gauge64

+--rw +-- peak-g?
       | <del>+--rw</del> +-- peak-g?
                                                   yang:gauge64
       +--rw
       +-- total-traffic-port* [unit port]
                                 inet:port-number
       | <del>+--rw</del> +-- port
          <del>+--rw</del> +-- unit
                                                   unit
          +--rw +-- low-percentile-g? yang:gauge64
+--rw +-- mid-percentile-g? yang:gauge64
       +--rw +-- high-percentile-q? yang:gauge64
       | <del>+--rw</del> +-- peak-g?
                                                   yang:gauge64
       +-- total-attack-traffic* [unit]
```

```
uint8
   +--rw +-- unit unit

+--rw +-- low-percentile-g? yang:gauge64

+--rw +-- mid-percentile-g? yang:gauge64
+--rw +-- high-percentile-g? yang:gauge64
                                        yang:gauge64
| <del>+--rw</del> +-- peak-g?
+-- total-attack-traffic-protocol* [unit protocol]
| +--rw +-- protocol uint8
| +--rw +-- unit unit
+--rw +-- low-percentile-g? yang:gauge64
+--rw +-- mid-percentile-g? yang:gauge64
| +--rw +-- high-percentile-g? yang:gauge64
                                         yang:gauge64
| <del>+--rw</del> +-- peak-g?
<del>+--rw</del>
+-- total-attack-traffic-port* [unit port]
+--rw +-- low-percentile-g? yang:gauge64
+--rw +-- mid-percentile-g? yang:gauge64
| +--rw +-- high-percentile-g? yang:gauge64
+--rw +-- peak-g? yang:gauge64
+--rw
+-- total-attack-connection
   +--rw +-- low-percentile-l* [protocol]
| | +--rw +-- protocol uint8

| | +--rw +-- connection? yang:gauge64

| | +--rw +-- embryonic? yang:gauge64

| | +--rw +-- connection-ps? yang:gauge64

| | +--rw +-- request-ps? yang:gauge64
    | +--rw +-- request-ps? yang:gauge64
| +--rw +-- partial-request-ps? yang:gauge64
    +--rw +-- mid-percentile-l* [protocol]
| +-rw +-- protocol uint8
| +-rw +-- connection? yang:gauge64
| +-rw +-- embryonic? yang:gauge64
| +-rw +-- connection-ps? yang:gauge64
| +-rw +-- request-ps? yang:gauge64
| +-rw +-- partial-request-ps? yang:gauge64
| +-rw +- high-percentile-l* [protocol]
| | +-rw +- protocol uint8
| | +-rw +- connection? yang:gauge64
| | +-rw +- embryonic? yang:gauge64
| | +-rw +- connection-ps? yang:gauge64
| | +-rw +- request-ps? yang:gauge64
| | +--rw +-- partial-request-ps? yang:gauge64
   +--rw +-- peak-l* [protocol]
      +-rw +-- protocol uint8

+-rw +-- connection? yang:gauge64

+-rw +-- embryonic? yang:gauge64

+-rw +-- connection-ps? yang:gauge64

+-rw +-- request-ps? yang:gauge64

+-rw +-- partial-request-ps? yang:gauge64
                       +-- partial-request-ps? yang:gauge64
+-- total-attack-connection-port
   +--rw +-- low-percentile-l* [protocol port]
   +--rw +-- mid-percentile-l* [protocol port]
| +--rw +-- mid-percentife-r [protocol pole]
| +--rw +-- port inet:port-number
| | +--rw +-- protocol uint8
| | +--rw +-- connection? yang:gauge64
| | +--rw +-- embryonic? yang:gauge64
| | +--rw +-- connection-ps? yang:gauge64
| | +--rw +-- request-ps? yang:gauge64
```

```
| | +--rw +-- partial-request-ps? yang:gauge64
   +--rw +-- high-percentile-l* [protocol port]
+--rw +-- peak-l* [protocol port]
     +--rw +-- port inet:port-num
+--rw +-- protocol uint8
+--rw +-- connection? yang:gauge64
+--rw +-- embryonic? yang:gauge64
+--rw +-- connection-ps? yang:gauge64
+--rw +-- request-ps? yang:gauge64
+--rw +-- partial-request-ps? yang:gauge64
                                                      inet:port-number
+--rw
+-- attack-detail* [vendor-id attack-id]
    +-- vendor-id
                                      uint32
    +--rw
    +-- attack-id uint32
    +-- attack-description? string
    +-- attack-severity? attack-severity
    +-- start-time? uint64
    +-- end-time? uint64
    +--rw
    +-- source-count
    | +--rw +-- low-percentile-g? yang:gauge64
| +--rw +-- mid-percentile-g? yang:gauge64
| +--rw +-- high-percentile-g? yang:gauge64
                                                 yang:gauge64
    | <del>+--rw</del> +-- peak-q?
    +-- top-talker
       +--rw
        +-- talker* [source-prefix]
            +-- spoofed-status?
                                                    boolean
            +--rw
            +-- source-prefix
                                                     inet:ip-prefix
            +--rw
            +-- source-port-range* [lower-port]
            | +--rw +-- lower-port inet:port-number
            | +--rw +-- upper-port? inet:port-number
            +-- source-icmp-type-range* [lower-type]
            | <del>+--rw</del> +-- lower-type uint8
            | +--rw +-- upper-type? uint8
            +-- total-attack-traffic* [unit]
           tw +-- unit unit

| +--rw +-- low-percentile-g? yang:gauge64
| +--rw +-- mid-percentile-g? yang:gauge64
| +--rw +-- high-percentile-g? yang:gauge64
| +--rw +-- peak-g? yang:gauge64
            +--rw
            +-- total-attack-connection
                +--rw
                +-- low-percentile-l* [protocol]
                | +--rw +-- protocol uint8

| +--rw +-- connection? yang:gauge64

| +--rw +-- embryonic? yang:gauge64

| +--rw +-- connection-ps? yang:gauge64

| +--rw +-- request-ps? yang:gauge64
```

```
+--rw +-- partial-request-ps? yang:gauge64
+--rw
+-- mid-percentile-l* [protocol]
| +--rw +-- protocol uint8

| +--rw +-- connection? yang:gauge64

| +--rw +-- embryonic? yang:gauge64

| +--rw +-- connection-ps? yang:gauge64

| +--rw +-- request-ps? yang:gauge64
| +--rw +-- partial-request-ps? yang:gauge64
+--rw
+-- high-percentile-l* [protocol]
| +--rw +-- protocol uint8

| +--rw +-- connection? yang:gauge64

| +--rw +-- embryonic? yang:gauge64

| +--rw +-- connection-ps? yang:gauge64

| +--rw +-- request-ps? yang:gauge64

| +--rw +-- partial-request-ps? yang:gauge64
+--rw
+-- peak-l* [protocol]
    +--rw
    +-- protocol
                              uint8
    +--rw
    +-- connection? yang:gauge64
    +--rw
    +-- embryonic? yang:gauge64
    +-- connection-ps? yang:gauge64
                            yang:gauge64
    +-- request-ps?
    +--rw
    +-- partial-request-ps? yang:gauge64
```