```
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}?
    | +--ro unit                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
    | +--rw  | +-- low-percentile-g?   yang:gauge64
    | +--rw  | +-- mid-percentile-g?   yang:gauge64
    | +--rw  | +-- high-percentile-g?  yang:gauge64
    | +--rw  | +-- peak-g?             yang:gauge64
    +--ro
    |     +-- total-attack-connection {dots-telemetry}?
    | +--ro        +-- low-percentile-c
    | | +--ro +-- connection?           yang:gauge64
    | | +--ro +-- embryonic?            yang:gauge64
    | | +--ro +-- connection-ps?        yang:gauge64
    | | +--ro +-- request-ps?           yang:gauge64
    | | +--ro +-- partial-request-ps?   yang:gauge64
    | +--ro        +-- mid-percentile-c
    | | +--ro +-- connection?           yang:gauge64
    | | +--ro +-- embryonic?            yang:gauge64
    | | +--ro +-- connection-ps?        yang:gauge64
    | | +--ro +-- request-ps?           yang:gauge64
    | | +--ro +-- partial-request-ps?   yang:gauge64
    | +--ro        +-- high-percentile-c
    | | +--ro +-- connection?           yang:gauge64
    | | +--ro +-- embryonic?            yang:gauge64
    | | +--ro +-- connection-ps?        yang:gauge64
    | | +--ro +-- request-ps?           yang:gauge64
    | | +--ro +-- partial-request-ps?   yang:gauge64
    | +--ro        +-- peak-c
    |   +--ro        +-- connection?           yang:gauge64
    |   +--ro        +-- embryonic?            yang:gauge64
    |   +--ro        +-- connection-ps?        yang:gauge64
    |   +--ro        +-- request-ps?           yang:gauge64
    |   +--ro        +-- 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?  yang:gauge64
    | +-- peak-g?             yang:gauge64
    +-- attack-detail* [vendor-id attack-id] {dots-telemetry}?
      +--rw
      +-- vendor-id           uint32
      +--rw
      +-- attack-id           uint32
      +--rw
      +-- attack-description?  string
      +--rw
      +-- attack-severity?     attack-severity
      +--rw
      +-- 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
```

```
          |  +--rw  +-- peak-g?                yang:gauge64
     +--rw
     +-- top-talker
        +--rw
        +-- talker* [source-prefix]
           +--rw
           +-- 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
           +--rw
           +-- source-icmp-type-range* [lower-type]
           |  +--rw  +-- lower-type     uint8
           |  +--rw  +-- upper-type?    uint8
           +--rw
           +-- total-attack-traffic* [unit]
           |  +--rw  +-- 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-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
              +--rw
              +-- 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
                 +-- connection-ps?       yang:gauge64
                 +--rw
                 +-- request-ps?          yang:gauge64
                 +--rw
                 +-- partial-request-ps?  yang:gauge64
augment
augment-structure  /ietf-signal:dots-signal/ietf-signal:message-type:
  +--:(telemetry-setup) {dots-telemetry}?
  |  +--ro  +-- (direction)?
  |  |  +--:(server-to-client)
  |  |     +-- max-config-values
  |  |  +--ro     |  +-- measurement-interval?    interval
  |  |  +--ro     |  +-- measurement-sample?      sample
  |  |  +--ro     |  +-- low-percentile?          percentile
  |  |  +--ro     |  +-- mid-percentile?          percentile
```

```
|  |    +--ro    |  +-- high-percentile?              percentile
|  |    +--ro    |  +-- server-originated-telemetry?  boolean
|  |    +--ro    |  +-- telemetry-notify-interval?    uint32
|  +--ro  |      +-- min-config-values
|  |    +--ro    |  +-- measurement-interval?         interval
|  |    +--ro    |  +-- measurement-sample?           sample
|  |    +--ro    |  +-- low-percentile?               percentile
|  |    +--ro    |  +-- mid-percentile?               percentile
|  |    +--ro    |  +-- high-percentile?              percentile
|  |    +--ro    |  +-- telemetry-notify-interval?    uint32
|  +--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
|    +--rw    +-- cdid?                           string
|    +--rw    +-- tsid                            uint32
|    +--rw    +-- (setup-type)?
|        +--:(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
|        +--:(pipe)
|        |  +--rw  +-- total-pipe-capacity* [link-id unit]
|        |    +--rw    +-- link-id    nt:link-id
|        |    +--rw    +-- capacity   uint64
|        |    +--rw    +-- unit       unit
|        +--:(baseline)
|        +--rw          +-- baseline* [id]
|          +--rw            +-- id                            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            +-- total-traffic-normal* [unit]
|          |  +--rw  +-- 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-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  +-- high-percentile-g?  yang:gauge64
|          |  +--rw  +-- peak-g?             yang:gauge64
|          +--rw            +-- total-traffic-normal-per-port* [unit port]
|          |  +--rw  +-- port              inet:port-number
|          |  +--rw  +-- 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-connection-capacity* [protocol]
```

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

```
       |  +--rw  +-- protocol?           uint8
       |  +--rw  +-- 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-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
       |  +--rw  +-- peak-g?             yang:gauge64
     +--rw
     +-- total-attack-traffic-port* [unit port]
       |  +--rw  +-- port                inet:port-number
       |  +--rw  +-- 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
       |     +--rw   +-- connection-ps?      yang:gauge64
       |     +--rw   +-- request-ps?         yang:gauge64
       |     +--rw   +-- partial-request-ps? yang:gauge64
     +--rw
     +-- total-attack-connection-port
       |  +--rw  +-- low-percentile-l* [protocol port]
       |  |  +--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  +-- mid-percentile-l* [protocol port]
       |  |  +--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 +-- 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 +-- peak-l* [protocol port]
      |     +--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
      +-- attack-detail* [vendor-id attack-id]
         +--rw
         +-- vendor-id           uint32
         +--rw
         +-- attack-id           uint32
         +--rw
         +-- attack-description?   string
         +--rw
         +-- attack-severity?      attack-severity
         +--rw
         +-- 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
         |  +--rw +-- peak-g?              yang:gauge64
         +--rw
         +-- top-talker
            +--rw
            +-- talker* [source-prefix]
               +--rw
               +-- 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
               +--rw
               +-- source-icmp-type-range* [lower-type]
               |  +--rw +-- lower-type    uint8
               |  +--rw +-- upper-type?   uint8
               +--rw
               +-- total-attack-traffic* [unit]
               |  +--rw +-- 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
              +--rw
              +-- connection-ps?       yang:gauge64
              +--rw
              +-- request-ps?          yang:gauge64
              +--rw
              +-- partial-request-ps?  yang:gauge64
```