

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	127.0.0.1	127.0.0.1	ITS	334	CAM(v2)

Frame 1: 334 bytes on wire (2672 bits), 334 bytes captured (2672 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 01:51:49.420936122 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641343909.420936122 seconds

[Time delta from previous captured frame: 0.000000000 seconds]

[Time delta from previous displayed frame: 0.000000000 seconds]

[Time since reference or first frame: 0.000000000 seconds]

Frame Number: 1

Frame Length: 334 bytes (2672 bits)

Capture Length: 334 bytes (2672 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)

Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 320

Identification: 0x5181 (20865)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xea29 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401

Source Port: 50965

Destination Port: 4401

Length: 300

Checksum: 0xff3f [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 0.000000000 seconds]

[Time since previous frame: 0.000000000 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 252

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 3772923432 (0xe0e23e28)

cam

generationDeltaTime: Unknown (6492) (0x195c, 6.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110043770) (11.0043770 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4950) (49.50 m/s, 178.20 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
2	0.199593039	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 2: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 01:51:49.620529161 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641343909.620529161 seconds

[Time delta from previous captured frame: 0.199593039 seconds]

[Time delta from previous displayed frame: 0.199593039 seconds]

[Time since reference or first frame: 0.199593039 seconds]

Frame Number: 2

Frame Length: 134 bytes (1072 bits)

Capture Length: 134 bytes (1072 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)

Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Source: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 120

Identification: 0x5186 (20870)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xeaec [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401

Source Port: 50965

Destination Port: 4401

Length: 100

Checksum: 0xfe77 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 0.199593039 seconds]

[Time since previous frame: 0.199593039 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 52

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 396742822 (0x17a5d0a6)

cam

generationDeltaTime: Unknown (6692) (0x1a24, 6.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110042430) (11.0042430 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4868) (48.68 m/s, 175.25 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
3	0.398906015	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 3: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 01:51:49.819842137 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641343909.819842137 seconds

[Time delta from previous captured frame: 0.199312976 seconds]

[Time delta from previous displayed frame: 0.199312976 seconds]

[Time since reference or first frame: 0.398906015 seconds]

Frame Number: 3

Frame Length: 134 bytes (1072 bits)

Capture Length: 134 bytes (1072 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)

Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Source: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 120

Identification: 0x519c (20892)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xead6 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401

Source Port: 50965

Destination Port: 4401

Length: 100

Checksum: 0xfe77 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 0.398906015 seconds]

[Time since previous frame: 0.199312976 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 52

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 2370032769 (0x8d43d481)

cam

generationDeltaTime: Unknown (6892) (0x1aec, 6.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110041120) (11.0041120 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4783) (47.83 m/s, 172.19 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
4	0.585812768	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 4: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:51:50.006748890 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343910.006748890 seconds
[Time delta from previous captured frame: 0.186906753 seconds]
[Time delta from previous displayed frame: 0.186906753 seconds]
[Time since reference or first frame: 0.585812768 seconds]
Frame Number: 4
Frame Length: 134 bytes (1072 bits)
Capture Length: 134 bytes (1072 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 120
Identification: 0x51b0 (20912)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xeac2 [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 100
Checksum: 0xfe77 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 0.585812768 seconds]
[Time since previous frame: 0.186906753 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 52

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 4161659096 (0xf80de0d8)
cam
generationDeltaTime: Unknown (7092) (0x1bb4, 7.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110039830) (11.0039830 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4694) (46.94 m/s, 168.98 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
5	0.799524202	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 5: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 01:51:50.220460324 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641343910.220460324 seconds

[Time delta from previous captured frame: 0.213711434 seconds]

[Time delta from previous displayed frame: 0.213711434 seconds]

[Time since reference or first frame: 0.799524202 seconds]

Frame Number: 5

Frame Length: 134 bytes (1072 bits)

Capture Length: 134 bytes (1072 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)

Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Source: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 120

Identification: 0x51b3 (20915)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xeabf [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401

Source Port: 50965

Destination Port: 4401

Length: 100

Checksum: 0xfe77 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 0.799524202 seconds]

[Time since previous frame: 0.213711434 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 52

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 950315986 (0x38a4abd2)

cam

generationDeltaTime: Unknown (7292) (0x1c7c, 7.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110038560) (11.0038560 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4617) (46.17 m/s, 166.21 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
6	0.999626296	127.0.0.1	127.0.0.1	ITS	334	CAM(v2)

Frame 6: 334 bytes on wire (2672 bits), 334 bytes captured (2672 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 01:51:50.420562418 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641343910.420562418 seconds

[Time delta from previous captured frame: 0.200102094 seconds]

[Time delta from previous displayed frame: 0.200102094 seconds]

[Time since reference or first frame: 0.999626296 seconds]

Frame Number: 6

Frame Length: 334 bytes (2672 bits)

Capture Length: 334 bytes (2672 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)

Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 320

Identification: 0x51e2 (20962)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xe9c8 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401

Source Port: 50965

Destination Port: 4401

Length: 300

Checksum: 0xff3f [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 0.999626296 seconds]

[Time since previous frame: 0.200102094 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 252

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 417728204 (0x18e606cc)

cam

generationDeltaTime: Unknown (7492) (0x1d44, 7.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110037320) (11.0037320 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4534) (45.34 m/s, 163.22 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
7	1.197887037	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)
Frame 7: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0						
Interface id: 0 (lo)						
Interface name: lo						
Encapsulation type: Ethernet (1)						
Arrival Time: Jan 5, 2022 01:51:50.618823159 W. Europe Standard Time						
[Time shift for this packet: 0.000000000 seconds]						
Epoch Time: 1641343910.618823159 seconds						
[Time delta from previous captured frame: 0.198260741 seconds]						
[Time delta from previous displayed frame: 0.198260741 seconds]						
[Time since reference or first frame: 1.197887037 seconds]						
Frame Number: 7						
Frame Length: 134 bytes (1072 bits)						
Capture Length: 134 bytes (1072 bits)						
[Frame is marked: False]						
[Frame is ignored: False]						
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]						
[Coloring Rule Name: UDP]						
[Coloring Rule String: udp]						
Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)						
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)						
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)						
.... 0. = LG bit: Globally unique address (factory default)						
.... 0. = IG bit: Individual address (unicast)						
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)						
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)						
.... 0. = LG bit: Globally unique address (factory default)						
.... 0. = IG bit: Individual address (unicast)						
Type: IPv4 (0x0800)						
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1						
0100 = Version: 4						
.... 0101 = Header Length: 20 bytes (5)						
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)						
0000 00.. = Differentiated Services Codepoint: Default (0)						
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)						
Total Length: 120						
Identification: 0x520b (21003)						
Flags: 0x4000, Don't fragment						
0... = Reserved bit: Not set						
.1.. = Don't fragment: Set						
..0. = More fragments: Not set						
...0 0000 0000 0000 = Fragment offset: 0						
Time to live: 64						
Protocol: UDP (17)						
Header checksum: 0xea67 [validation disabled]						
[Header checksum status: Unverified]						
Source: 127.0.0.1						
Destination: 127.0.0.1						
User Datagram Protocol, Src Port: 50965, Dst Port: 4401						
Source Port: 50965						
Destination Port: 4401						
Length: 100						
Checksum: 0xfe77 [unverified]						
[Checksum Status: Unverified]						
[Stream index: 0]						
[Timestamps]						
[Time since first frame: 1.197887037 seconds]						
[Time since previous frame: 0.198260741 seconds]						
Cohda Wireless proprietary (UDP-BTP DataReq)						
BTPType: BTP-B (2)						
PktTransport: SHB (7)						
TrafficClass: 0x02						
MaxPktLifetime: 1						
DstPort: 2001						
DstInfo: 0						
GNCommsProfile: 0x00						
GNRepeatInterval: 0						
GNSecureProfile: 0						
GNSecureSSPLen: 0						
GNSecureITSAID: 0x00000024						
GNSecureSSPBits: <MISSING>						
Length: 52						
ETSI ITS (CAM)						
CAM						
header						
protocolVersion: 2						
messageID: cam (2)						
stationID: 1118155774 (0x42a5b3fe)						
cam						
generationDeltaTime: Unknown (7692) (0x1e0c, 7.692 sec)						

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110036100) (11.0036100 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4455) (44.55 m/s, 160.38 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
8	1.399343628	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 8: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 01:51:50.820279750 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641343910.820279750 seconds

[Time delta from previous captured frame: 0.201456591 seconds]

[Time delta from previous displayed frame: 0.201456591 seconds]

[Time since reference or first frame: 1.399343628 seconds]

Frame Number: 8

Frame Length: 134 bytes (1072 bits)

Capture Length: 134 bytes (1072 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)

Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Source: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 120

Identification: 0x522f (21039)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xea43 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401

Source Port: 50965

Destination Port: 4401

Length: 100

Checksum: 0xfe77 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 1.399343628 seconds]

[Time since previous frame: 0.201456591 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 52

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1923828267 (0x72ab4a2b)

cam

generationDeltaTime: Unknown (7892) (0x1ed4, 7.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110034900) (11.0034900 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4368) (43.68 m/s, 157.25 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
9	1.587412686	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 9: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 01:51:51.008348808 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641343911.008348808 seconds

[Time delta from previous captured frame: 0.188069058 seconds]

[Time delta from previous displayed frame: 0.188069058 seconds]

[Time since reference or first frame: 1.587412686 seconds]

Frame Number: 9

Frame Length: 134 bytes (1072 bits)

Capture Length: 134 bytes (1072 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)

Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 120

Identification: 0x5249 (21065)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xea29 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401

Source Port: 50965

Destination Port: 4401

Length: 100

Checksum: 0xfe77 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 1.587412686 seconds]

[Time since previous frame: 0.188069058 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 52

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1513167060 (0x5a3118d4)

cam

generationDeltaTime: Unknown (8092) (0x1f9c, 8.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110033720) (11.0033720 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4290) (42.90 m/s, 154.44 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

```

No.      Time      Source      Destination      Protocol Length Info
  10  1.798986805    127.0.0.1      127.0.0.1      ITS      134      CAM(v2)
Frame 10: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0
  Interface id: 0 (lo)
    Interface name: lo
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 01:51:51.219922927 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641343911.219922927 seconds
    [Time delta from previous captured frame: 0.211574119 seconds]
    [Time delta from previous displayed frame: 0.211574119 seconds]
    [Time since reference or first frame: 1.798986805 seconds]
    Frame Number: 10
    Frame Length: 134 bytes (1072 bits)
    Capture Length: 134 bytes (1072 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
  Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... ..0. .... = LG bit: Globally unique address (factory default)
    .... ..0 .... = IG bit: Individual address (unicast)
  Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... ..0. .... = LG bit: Globally unique address (factory default)
    .... ..0 .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 120
  Identification: 0x5266 (21094)
  Flags: 0x4000, Don't fragment
    0... .... = Reserved bit: Not set
    .1.. .... = Don't fragment: Set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0xea0c [validation disabled]
  [Header checksum status: Unverified]
  Source: 127.0.0.1
  Destination: 127.0.0.1
User Datagram Protocol, Src Port: 50965, Dst Port: 4401
  Source Port: 50965
  Destination Port: 4401
  Length: 100
  Checksum: 0xfe77 [unverified]
  [Checksum Status: Unverified]
  [Stream index: 0]
  [Timestamps]
    [Time since first frame: 1.798986805 seconds]
    [Time since previous frame: 0.211574119 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 1
  DstPort: 2001
  DstInfo: 0
  GNCommsProfile: 0x00
  GNRepeatInterval: 0
  GNSecureProfile: 0
  GNSecureSSPLen: 0
  GNSecureITSAID: 0x00000024
  GNSecureSSPBits: <MISSING>
  Length: 52
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 3728573039 (0xde3d826f)
    cam
      generationDeltaTime: Unknown (8292) (0x2064, 8.292 sec)

```

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110032560) (11.0032560 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4201) (42.01 m/s, 151.24 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```



```

No.      Time      Source      Destination      Protocol Length Info
  11 2.014883806  127.0.0.1    127.0.0.1      ITS      334    CAM(v2)
Frame 11: 334 bytes on wire (2672 bits), 334 bytes captured (2672 bits) on interface 0
  Interface id: 0 (lo)
    Interface name: lo
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 01:51:51.435819928 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641343911.435819928 seconds
    [Time delta from previous captured frame: 0.215897001 seconds]
    [Time delta from previous displayed frame: 0.215897001 seconds]
    [Time since reference or first frame: 2.014883806 seconds]
    Frame Number: 11
    Frame Length: 334 bytes (2672 bits)
    Capture Length: 334 bytes (2672 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
  Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0 .... = IG bit: Individual address (unicast)
  Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0 .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 320
  Identification: 0x5268 (21096)
  Flags: 0x4000, Don't fragment
    0... .... = Reserved bit: Not set
    .1.. .... = Don't fragment: Set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0xe942 [validation disabled]
  [Header checksum status: Unverified]
  Source: 127.0.0.1
  Destination: 127.0.0.1
User Datagram Protocol, Src Port: 50965, Dst Port: 4401
  Source Port: 50965
  Destination Port: 4401
  Length: 300
  Checksum: 0xff3f [unverified]
  [Checksum Status: Unverified]
  [Stream index: 0]
  [Timestamps]
    [Time since first frame: 2.014883806 seconds]
    [Time since previous frame: 0.215897001 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 1
  DstPort: 2001
  DstInfo: 0
  GNCommsProfile: 0x00
  GNRepeatInterval: 0
  GNSecureProfile: 0
  GNSecureSSPLen: 0
  GNSecureITSAID: 0x00000024
  GNSecureSSPBits: <MISSING>
  Length: 252
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 2643808211 (0x9d954fd3)
    cam
      generationDeltaTime: Unknown (8492) (0x212c, 8.492 sec)

```

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110031430) (11.0031430 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4125) (41.25 m/s, 148.50 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
12	2.198778174	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 12: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:51:51.619714296 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343911.619714296 seconds
[Time delta from previous captured frame: 0.183894368 seconds]
[Time delta from previous displayed frame: 0.183894368 seconds]
[Time since reference or first frame: 2.198778174 seconds]
Frame Number: 12
Frame Length: 134 bytes (1072 bits)
Capture Length: 134 bytes (1072 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 120
Identification: 0x5294 (21140)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe9de [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 100
Checksum: 0xfe77 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 2.198778174 seconds]
[Time since previous frame: 0.183894368 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 52

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 3642167603 (0xd9171133)
cam
generationDeltaTime: Unknown (8692) (0x21f4, 8.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110030320) (11.0030320 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4041) (40.41 m/s, 145.48 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
13	2.398079722	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 13: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0
Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:51:51.819015844 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343911.819015844 seconds
[Time delta from previous captured frame: 0.199301548 seconds]
[Time delta from previous displayed frame: 0.199301548 seconds]
[Time since reference or first frame: 2.398079722 seconds]
Frame Number: 13
Frame Length: 134 bytes (1072 bits)
Capture Length: 134 bytes (1072 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 120
Identification: 0x52a2 (21154)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
...0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe9d0 [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1
User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 100
Checksum: 0xfe77 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 2.398079722 seconds]
[Time since previous frame: 0.199301548 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 52
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 2444269085 (0x91b0961d)
cam
generationDeltaTime: Unknown (8892) (0x22bc, 8.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110029230) (11.0029230 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3959) (39.59 m/s, 142.52 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
14	2.640834422	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 14: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:51:52.061770544 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343912.061770544 seconds
[Time delta from previous captured frame: 0.242754700 seconds]
[Time delta from previous displayed frame: 0.242754700 seconds]
[Time since reference or first frame: 2.640834422 seconds]
Frame Number: 14
Frame Length: 134 bytes (1072 bits)
Capture Length: 134 bytes (1072 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 120
Identification: 0x52d8 (21208)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe99a [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 100
Checksum: 0xfe77 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 2.640834422 seconds]
[Time since previous frame: 0.242754700 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 52

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 297069961 (0x11b4ed89)
cam
generationDeltaTime: Unknown (9092) (0x2384, 9.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110028170) (11.0028170 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3882) (38.82 m/s, 139.75 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

```

No.      Time      Source      Destination      Protocol Length Info
  15 3.002889025  127.0.0.1    127.0.0.1      ITS      334    CAM(v2)
Frame 15: 334 bytes on wire (2672 bits), 334 bytes captured (2672 bits) on interface 0
  Interface id: 0 (lo)
    Interface name: lo
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 01:51:52.423825147 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641343912.423825147 seconds
    [Time delta from previous captured frame: 0.362054603 seconds]
    [Time delta from previous displayed frame: 0.362054603 seconds]
    [Time since reference or first frame: 3.002889025 seconds]
    Frame Number: 15
    Frame Length: 334 bytes (2672 bits)
    Capture Length: 334 bytes (2672 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
  Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0 .... = IG bit: Individual address (unicast)
  Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0 .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 320
  Identification: 0x5303 (21251)
  Flags: 0x4000, Don't fragment
    0... .... = Reserved bit: Not set
    .1.. .... = Don't fragment: Set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0xe8a7 [validation disabled]
  [Header checksum status: Unverified]
  Source: 127.0.0.1
  Destination: 127.0.0.1
User Datagram Protocol, Src Port: 50965, Dst Port: 4401
  Source Port: 50965
  Destination Port: 4401
  Length: 300
  Checksum: 0xff3f [unverified]
  [Checksum Status: Unverified]
  [Stream index: 0]
  [Timestamps]
    [Time since first frame: 3.002889025 seconds]
    [Time since previous frame: 0.362054603 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 1
  DstPort: 2001
  DstInfo: 0
  GNCommsProfile: 0x00
  GNRepeatInterval: 0
  GNSecureProfile: 0
  GNSecureSSPLen: 0
  GNSecureITSAID: 0x00000024
  GNSecureSSPBits: <MISSING>
  Length: 252
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1947950979 (0x741b5f83)
    cam
      generationDeltaTime: Unknown (9492) (0x2514, 9.492 sec)

```

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110026100) (11.0026100 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3713) (37.13 m/s, 133.67 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
16	3.396143555	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 16: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 01:51:52.817079677 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641343912.817079677 seconds

[Time delta from previous captured frame: 0.393254530 seconds]

[Time delta from previous displayed frame: 0.393254530 seconds]

[Time since reference or first frame: 3.396143555 seconds]

Frame Number: 16

Frame Length: 134 bytes (1072 bits)

Capture Length: 134 bytes (1072 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)

Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 120

Identification: 0x5351 (21329)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xe921 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401

Source Port: 50965

Destination Port: 4401

Length: 100

Checksum: 0xfe77 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 3.396143555 seconds]

[Time since previous frame: 0.393254530 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 52

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 3721083756 (0xddcb3b6c)

cam

generationDeltaTime: Unknown (9892) (0x26a4, 9.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110024130) (11.0024130 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3555) (35.55 m/s, 127.98 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
17	3.790376524	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 17: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:51:53.211312646 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343913.211312646 seconds
[Time delta from previous captured frame: 0.394232969 seconds]
[Time delta from previous displayed frame: 0.394232969 seconds]
[Time since reference or first frame: 3.790376524 seconds]
Frame Number: 17
Frame Length: 134 bytes (1072 bits)
Capture Length: 134 bytes (1072 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 120
Identification: 0x5387 (21383)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe8eb [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 100
Checksum: 0xfe77 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 3.790376524 seconds]
[Time since previous frame: 0.394232969 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 52

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 3675647370 (0xdb15ed8a)
cam
generationDeltaTime: Unknown (10292) (0x2834, 10.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110022240) (11.0022240 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3388) (33.88 m/s, 121.97 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
18	4.196233539	127.0.0.1	127.0.0.1	ITS	334	CAM(v2)

Frame 18: 334 bytes on wire (2672 bits), 334 bytes captured (2672 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:51:53.617169661 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343913.617169661 seconds
[Time delta from previous captured frame: 0.405857015 seconds]
[Time delta from previous displayed frame: 0.405857015 seconds]
[Time since reference or first frame: 4.196233539 seconds]
Frame Number: 18
Frame Length: 334 bytes (2672 bits)
Capture Length: 334 bytes (2672 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 320
Identification: 0x53b0 (21424)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
...0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe7fa [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 300
Checksum: 0xff3f [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 4.196233539 seconds]
[Time since previous frame: 0.405857015 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 252

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1546093991 (0x5c2785a7)
cam
generationDeltaTime: Unknown (10692) (0x29c4, 10.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110020440) (11.0020440 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3227) (32.27 m/s, 116.17 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
19	4.594659944	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 19: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 01:51:54.015596066 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641343914.015596066 seconds

[Time delta from previous captured frame: 0.398426405 seconds]

[Time delta from previous displayed frame: 0.398426405 seconds]

[Time since reference or first frame: 4.594659944 seconds]

Frame Number: 19

Frame Length: 134 bytes (1072 bits)

Capture Length: 134 bytes (1072 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)

Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Source: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 120

Identification: 0x53cb (21451)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xe8a7 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401

Source Port: 50965

Destination Port: 4401

Length: 100

Checksum: 0xfe77 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 4.594659944 seconds]

[Time since previous frame: 0.398426405 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 52

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 737143852 (0x2befec2c)

cam

generationDeltaTime: Unknown (11092) (0x2b54, 11.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110018730) (11.0018730 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3076) (30.76 m/s, 110.74 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```



```

No.      Time      Source      Destination      Protocol Length Info
   20 5.001123184 127.0.0.1    127.0.0.1        ITS      134    CAM(v2)
Frame 20: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0
  Interface id: 0 (lo)
    Interface name: lo
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 01:51:54.422059306 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641343914.422059306 seconds
    [Time delta from previous captured frame: 0.406463240 seconds]
    [Time delta from previous displayed frame: 0.406463240 seconds]
    [Time since reference or first frame: 5.001123184 seconds]
    Frame Number: 20
    Frame Length: 134 bytes (1072 bits)
    Capture Length: 134 bytes (1072 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
  Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
      Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
        .... ..0. .... = LG bit: Globally unique address (factory default)
        .... ...0 .... = IG bit: Individual address (unicast)
    Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
      Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
        .... ..0. .... = LG bit: Globally unique address (factory default)
        .... ...0 .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
  Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
      0000 00.. = Differentiated Services Codepoint: Default (0)
      .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 120
    Identification: 0x5426 (21542)
    Flags: 0x4000, Don't fragment
      0... .... = Reserved bit: Not set
      .1.. .... = Don't fragment: Set
      ..0. .... = More fragments: Not set
      ...0 0000 0000 0000 = Fragment offset: 0
    Time to live: 64
    Protocol: UDP (17)
    Header checksum: 0xe84c [validation disabled]
    [Header checksum status: Unverified]
    Source: 127.0.0.1
    Destination: 127.0.0.1
  User Datagram Protocol, Src Port: 50965, Dst Port: 4401
    Source Port: 50965
    Destination Port: 4401
    Length: 100
    Checksum: 0xfe77 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 0]
    [Timestamps]
      [Time since first frame: 5.001123184 seconds]
      [Time since previous frame: 0.406463240 seconds]
  Cohda Wireless proprietary (UDP-BTP DataReq)
    BTPType: BTP-B (2)
    PktTransport: SHB (7)
    TrafficClass: 0x02
    MaxPktLifetime: 1
    DstPort: 2001
    DstInfo: 0
    GNCommsProfile: 0x00
    GNRepeatInterval: 0
    GNSecureProfile: 0
    GNSecureSSPLen: 0
    GNSecureITSAID: 0x00000024
    GNSecureSSPBits: <MISSING>
    Length: 52
  ETSI ITS (CAM)
    CAM
      header
        protocolVersion: 2
        messageID: cam (2)
        stationID: 770904831 (0x2df312ff)
      cam
        generationDeltaTime: Unknown (11492) (0x2ce4, 11.492 sec)

```

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110017100) (11.0017100 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2915) (29.15 m/s, 104.94 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
21	5.395126261	127.0.0.1	127.0.0.1	ITS	334	CAM(v2)

Frame 21: 334 bytes on wire (2672 bits), 334 bytes captured (2672 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 01:51:54.816062383 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641343914.816062383 seconds

[Time delta from previous captured frame: 0.394003077 seconds]

[Time delta from previous displayed frame: 0.394003077 seconds]

[Time since reference or first frame: 5.395126261 seconds]

Frame Number: 21

Frame Length: 334 bytes (2672 bits)

Capture Length: 334 bytes (2672 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)

Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 320

Identification: 0x545c (21596)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xe74e [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401

Source Port: 50965

Destination Port: 4401

Length: 300

Checksum: 0xff3f [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 5.395126261 seconds]

[Time since previous frame: 0.394003077 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 252

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1990506786 (0x76a4b922)

cam

generationDeltaTime: Unknown (11892) (0x2e74, 11.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110015560) (11.0015560 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2760) (27.60 m/s, 99.36 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

```

No.      Time      Source      Destination      Protocol Length Info
  22 5.827141317 127.0.0.1 127.0.0.1 ITS 134 CAM(v2)
Frame 22: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0
  Interface id: 0 (lo)
    Interface name: lo
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan 5, 2022 01:51:55.248077439 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641343915.248077439 seconds
    [Time delta from previous captured frame: 0.432015056 seconds]
    [Time delta from previous displayed frame: 0.432015056 seconds]
    [Time since reference or first frame: 5.827141317 seconds]
    Frame Number: 22
    Frame Length: 134 bytes (1072 bits)
    Capture Length: 134 bytes (1072 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
  Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0. .... = IG bit: Individual address (unicast)
  Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0. .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 120
  Identification: 0x54ae (21678)
  Flags: 0x4000, Don't fragment
    0... .... = Reserved bit: Not set
    .1.. .... = Don't fragment: Set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0xe7c4 [validation disabled]
  [Header checksum status: Unverified]
  Source: 127.0.0.1
  Destination: 127.0.0.1
User Datagram Protocol, Src Port: 50965, Dst Port: 4401
  Source Port: 50965
  Destination Port: 4401
  Length: 100
  Checksum: 0xfe77 [unverified]
  [Checksum Status: Unverified]
  [Stream index: 0]
  [Timestamps]
    [Time since first frame: 5.827141317 seconds]
    [Time since previous frame: 0.432015056 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 1
  DstPort: 2001
  DstInfo: 0
  GNCommsProfile: 0x00
  GNRepeatInterval: 0
  GNSecureProfile: 0
  GNSecureSSPLen: 0
  GNSecureITSAID: 0x00000024
  GNSecureSSPBits: <MISSING>
  Length: 52
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 4054963454 (0xf1b1d4fe)
    cam
      generationDeltaTime: Unknown (12292) (0x3004, 12.292 sec)

```

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110014110) (11.0014110 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2594) (25.94 m/s, 93.38 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```



```

No.      Time      Source      Destination      Protocol Length Info
 23 6.194183973 127.0.0.1 127.0.0.1 ITS 134 CAM(v2)
Frame 23: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0
  Interface id: 0 (lo)
    Interface name: lo
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan 5, 2022 01:51:55.615120095 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641343915.615120095 seconds
    [Time delta from previous captured frame: 0.367042656 seconds]
    [Time delta from previous displayed frame: 0.367042656 seconds]
    [Time since reference or first frame: 6.194183973 seconds]
    Frame Number: 23
    Frame Length: 134 bytes (1072 bits)
    Capture Length: 134 bytes (1072 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
  Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... ..0. .... = LG bit: Globally unique address (factory default)
    .... ..0 .... = IG bit: Individual address (unicast)
  Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... ..0. .... = LG bit: Globally unique address (factory default)
    .... ..0 .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 120
  Identification: 0x54fa (21754)
  Flags: 0x4000, Don't fragment
    0... .... = Reserved bit: Not set
    .1.. .... = Don't fragment: Set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0xe778 [validation disabled]
  [Header checksum status: Unverified]
  Source: 127.0.0.1
  Destination: 127.0.0.1
User Datagram Protocol, Src Port: 50965, Dst Port: 4401
  Source Port: 50965
  Destination Port: 4401
  Length: 100
  Checksum: 0xfe77 [unverified]
  [Checksum Status: Unverified]
  [Stream index: 0]
  [Timestamps]
    [Time since first frame: 6.194183973 seconds]
    [Time since previous frame: 0.367042656 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 1
  DstPort: 2001
  DstInfo: 0
  GNCommsProfile: 0x00
  GNRepeatInterval: 0
  GNSecureProfile: 0
  GNSecureSSPLen: 0
  GNSecureITSAID: 0x00000024
  GNSecureSSPBits: <MISSING>
  Length: 52
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 2562615485 (0x98be68bd)
    cam
      generationDeltaTime: Unknown (12692) (0x3194, 12.692 sec)

```

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110012740) (11.0012740 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2445) (24.45 m/s, 88.02 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
24	6.593532485	127.0.0.1	127.0.0.1	ITS	334	CAM(v2)

Frame 24: 334 bytes on wire (2672 bits), 334 bytes captured (2672 bits) on interface 0
Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:51:56.014468607 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343916.014468607 seconds
[Time delta from previous captured frame: 0.399348512 seconds]
[Time delta from previous displayed frame: 0.399348512 seconds]
[Time since reference or first frame: 6.593532485 seconds]
Frame Number: 24
Frame Length: 334 bytes (2672 bits)
Capture Length: 334 bytes (2672 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 320
Identification: 0x552b (21803)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
...0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe67f [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1
User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 300
Checksum: 0xff3f [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 6.593532485 seconds]
[Time since previous frame: 0.399348512 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 252
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 2147596579 (0x8001b923)
cam
generationDeltaTime: Unknown (13092) (0x3324, 13.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110011460) (11.0011460 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2286) (22.86 m/s, 82.30 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
25	6.989376867	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 25: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 01:51:56.410312989 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641343916.410312989 seconds

[Time delta from previous captured frame: 0.395844382 seconds]

[Time delta from previous displayed frame: 0.395844382 seconds]

[Time since reference or first frame: 6.989376867 seconds]

Frame Number: 25

Frame Length: 134 bytes (1072 bits)

Capture Length: 134 bytes (1072 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)

Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 120

Identification: 0x5570 (21872)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xe702 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401

Source Port: 50965

Destination Port: 4401

Length: 100

Checksum: 0xfe77 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 6.989376867 seconds]

[Time since previous frame: 0.395844382 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 52

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 3002603380 (0xb2f81774)

cam

generationDeltaTime: Unknown (13492) (0x34b4, 13.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110010260) (11.0010260 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2139) (21.39 m/s, 77.00 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
26	7.394666014	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 26: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 01:51:56.815602136 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641343916.815602136 seconds

[Time delta from previous captured frame: 0.405289147 seconds]

[Time delta from previous displayed frame: 0.405289147 seconds]

[Time since reference or first frame: 7.394666014 seconds]

Frame Number: 26

Frame Length: 134 bytes (1072 bits)

Capture Length: 134 bytes (1072 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)

Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 120

Identification: 0x55d4 (21972)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xe69e [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401

Source Port: 50965

Destination Port: 4401

Length: 100

Checksum: 0xfe77 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 7.394666014 seconds]

[Time since previous frame: 0.405289147 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 52

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1147883843 (0x446b5143)

cam

generationDeltaTime: Unknown (13892) (0x3644, 13.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110009140) (11.0009140 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1984) (19.84 m/s, 71.42 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
27	7.794397088	127.0.0.1	127.0.0.1	ITS	334	CAM(v2)

Frame 27: 334 bytes on wire (2672 bits), 334 bytes captured (2672 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:51:57.215333210 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343917.215333210 seconds
[Time delta from previous captured frame: 0.399731074 seconds]
[Time delta from previous displayed frame: 0.399731074 seconds]
[Time since reference or first frame: 7.794397088 seconds]
Frame Number: 27
Frame Length: 334 bytes (2672 bits)
Capture Length: 334 bytes (2672 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 320
Identification: 0x55d9 (21977)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe5d1 [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 300
Checksum: 0xff3f [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 7.794397088 seconds]
[Time since previous frame: 0.399731074 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 252

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 3712060530 (0xdd418c72)
cam
generationDeltaTime: Unknown (14292) (0x37d4, 14.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110008100) (11.0008100 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1844) (18.44 m/s, 66.38 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
28	8.197086772	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 28: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 01:51:57.618022894 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641343917.618022894 seconds

[Time delta from previous captured frame: 0.402689684 seconds]

[Time delta from previous displayed frame: 0.402689684 seconds]

[Time since reference or first frame: 8.197086772 seconds]

Frame Number: 28

Frame Length: 134 bytes (1072 bits)

Capture Length: 134 bytes (1072 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)

Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Source: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 120

Identification: 0x5622 (22050)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xe650 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401

Source Port: 50965

Destination Port: 4401

Length: 100

Checksum: 0xfe77 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 8.197086772 seconds]

[Time since previous frame: 0.402689684 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 52

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 4142452001 (0xf6e8cd21)

cam

generationDeltaTime: Unknown (14692) (0x3964, 14.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110007140) (11.0007140 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1698) (16.98 m/s, 61.13 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
29	8.594056052	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 29: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:51:58.014992174 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343918.014992174 seconds
[Time delta from previous captured frame: 0.396969280 seconds]
[Time delta from previous displayed frame: 0.396969280 seconds]
[Time since reference or first frame: 8.594056052 seconds]
Frame Number: 29
Frame Length: 134 bytes (1072 bits)
Capture Length: 134 bytes (1072 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 120
Identification: 0x567f (22143)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe5f3 [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 100
Checksum: 0xfe77 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 8.594056052 seconds]
[Time since previous frame: 0.396969280 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 52

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 799692869 (0x2faa5845)
cam
generationDeltaTime: Unknown (15092) (0x3af4, 15.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110006260) (11.0006260 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1555) (15.55 m/s, 55.98 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
30	8.994556738	127.0.0.1	127.0.0.1	ITS	334	CAM(v2)

Frame 30: 334 bytes on wire (2672 bits), 334 bytes captured (2672 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:51:58.415492860 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343918.415492860 seconds
[Time delta from previous captured frame: 0.400500686 seconds]
[Time delta from previous displayed frame: 0.400500686 seconds]
[Time since reference or first frame: 8.994556738 seconds]
Frame Number: 30
Frame Length: 334 bytes (2672 bits)
Capture Length: 334 bytes (2672 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 320
Identification: 0x56da (22234)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe4d0 [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 300
Checksum: 0xff3f [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 8.994556738 seconds]
[Time since previous frame: 0.400500686 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 252

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 3176346485 (0xbd533375)
cam
generationDeltaTime: Unknown (15492) (0x3c84, 15.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110005460) (11.0005460 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1416) (14.16 m/s, 50.98 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

```

No.      Time      Source      Destination      Protocol Length Info
  31 9.394006671 127.0.0.1 127.0.0.1 ITS 134 CAM(v2)
Frame 31: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0
  Interface id: 0 (lo)
    Interface name: lo
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan 5, 2022 01:51:58.814942793 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641343918.814942793 seconds
    [Time delta from previous captured frame: 0.399449933 seconds]
    [Time delta from previous displayed frame: 0.399449933 seconds]
    [Time since reference or first frame: 9.394006671 seconds]
    Frame Number: 31
    Frame Length: 134 bytes (1072 bits)
    Capture Length: 134 bytes (1072 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
  Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0. .... = IG bit: Individual address (unicast)
  Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0. .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 120
  Identification: 0x5725 (22309)
  Flags: 0x4000, Don't fragment
    0... .... = Reserved bit: Not set
    .1.. .... = Don't fragment: Set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0xe54d [validation disabled]
  [Header checksum status: Unverified]
  Source: 127.0.0.1
  Destination: 127.0.0.1
User Datagram Protocol, Src Port: 50965, Dst Port: 4401
  Source Port: 50965
  Destination Port: 4401
  Length: 100
  Checksum: 0xfe77 [unverified]
  [Checksum Status: Unverified]
  [Stream index: 0]
  [Timestamps]
    [Time since first frame: 9.394006671 seconds]
    [Time since previous frame: 0.399449933 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 1
  DstPort: 2001
  DstInfo: 0
  GNCommsProfile: 0x00
  GNRepeatInterval: 0
  GNSecureProfile: 0
  GNSecureSSPLen: 0
  GNSecureITSAID: 0x00000024
  GNSecureSSPBits: <MISSING>
  Length: 52
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 976738395 (0x3a37d85b)
    cam
      generationDeltaTime: Unknown (15892) (0x3e14, 15.892 sec)

```

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110004740) (11.0004740 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1277) (12.77 m/s, 45.97 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```



```

No.      Time      Source      Destination      Protocol Length Info
  32 9.794948454 127.0.0.1    127.0.0.1        ITS      134    CAM(v2)
Frame 32: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0
  Interface id: 0 (lo)
    Interface name: lo
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 01:51:59.215884576 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641343919.215884576 seconds
    [Time delta from previous captured frame: 0.400941783 seconds]
    [Time delta from previous displayed frame: 0.400941783 seconds]
    [Time since reference or first frame: 9.794948454 seconds]
    Frame Number: 32
    Frame Length: 134 bytes (1072 bits)
    Capture Length: 134 bytes (1072 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
  Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
      Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
        .... ..0. .... = LG bit: Globally unique address (factory default)
        .... ...0 .... = IG bit: Individual address (unicast)
    Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
      Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
        .... ..0. .... = LG bit: Globally unique address (factory default)
        .... ...0 .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
  Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
      0000 00.. = Differentiated Services Codepoint: Default (0)
      .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 120
    Identification: 0x5741 (22337)
    Flags: 0x4000, Don't fragment
      0... .... = Reserved bit: Not set
      .1.. .... = Don't fragment: Set
      ..0. .... = More fragments: Not set
      ...0 0000 0000 0000 = Fragment offset: 0
    Time to live: 64
    Protocol: UDP (17)
    Header checksum: 0xe531 [validation disabled]
    [Header checksum status: Unverified]
    Source: 127.0.0.1
    Destination: 127.0.0.1
  User Datagram Protocol, Src Port: 50965, Dst Port: 4401
    Source Port: 50965
    Destination Port: 4401
    Length: 100
    Checksum: 0xfe77 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 0]
    [Timestamps]
      [Time since first frame: 9.794948454 seconds]
      [Time since previous frame: 0.400941783 seconds]
  Cohda Wireless proprietary (UDP-BTP DataReq)
    BTPType: BTP-B (2)
    PktTransport: SHB (7)
    TrafficClass: 0x02
    MaxPktLifetime: 1
    DstPort: 2001
    DstInfo: 0
    GNCommsProfile: 0x00
    GNRepeatInterval: 0
    GNSecureProfile: 0
    GNSecureSSPLen: 0
    GNSecureITSAID: 0x00000024
    GNSecureSSPBits: <MISSING>
    Length: 52
  ETSI ITS (CAM)
    CAM
      header
        protocolVersion: 2
        messageID: cam (2)
        stationID: 249233355 (0x0edaffcb)
      cam
        generationDeltaTime: Unknown (16292) (0x3fa4, 16.292 sec)

```

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110004090) (11.0004090 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1145) (11.45 m/s, 41.22 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
33	10.189173648	127.0.0.1	127.0.0.1	ITS	334	CAM(v2)

Frame 33: 334 bytes on wire (2672 bits), 334 bytes captured (2672 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:51:59.610109770 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343919.610109770 seconds
[Time delta from previous captured frame: 0.394225194 seconds]
[Time delta from previous displayed frame: 0.394225194 seconds]
[Time since reference or first frame: 10.189173648 seconds]
Frame Number: 33
Frame Length: 334 bytes (2672 bits)
Capture Length: 334 bytes (2672 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 320
Identification: 0x575b (22363)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe44f [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 300
Checksum: 0xff3f [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 10.189173648 seconds]
[Time since previous frame: 0.394225194 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 252

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1339153094 (0x4fd1dac6)
cam
generationDeltaTime: Unknown (16692) (0x4134, 16.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110003510) (11.0003510 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1008) (10.08 m/s, 36.29 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
34	10.604977795	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 34: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 01:52:00.025913917 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641343920.025913917 seconds

[Time delta from previous captured frame: 0.415804147 seconds]

[Time delta from previous displayed frame: 0.415804147 seconds]

[Time since reference or first frame: 10.604977795 seconds]

Frame Number: 34

Frame Length: 134 bytes (1072 bits)

Capture Length: 134 bytes (1072 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)

Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 120

Identification: 0x57b7 (22455)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xe4bb [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401

Source Port: 50965

Destination Port: 4401

Length: 100

Checksum: 0xfe77 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 10.604977795 seconds]

[Time since previous frame: 0.415804147 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 52

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1622431787 (0x60b4582b)

cam

generationDeltaTime: Unknown (17092) (0x42c4, 17.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110003000) (11.0003000 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (885) (8.85 m/s, 31.86 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
35	10.992817790	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 35: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:52:00.413753912 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343920.413753912 seconds
[Time delta from previous captured frame: 0.387839995 seconds]
[Time delta from previous displayed frame: 0.387839995 seconds]
[Time since reference or first frame: 10.992817790 seconds]
Frame Number: 35
Frame Length: 134 bytes (1072 bits)
Capture Length: 134 bytes (1072 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 120
Identification: 0x57bd (22461)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe4b5 [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 100
Checksum: 0xfe77 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 10.992817790 seconds]
[Time since previous frame: 0.387839995 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 52

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 105994333 (0x0651585d)
cam
generationDeltaTime: Unknown (17492) (0x4454, 17.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110002560) (11.0002560 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (766) (7.66 m/s, 27.58 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
36	11.395186758	127.0.0.1	127.0.0.1	ITS	334	CAM(v2)

Frame 36: 334 bytes on wire (2672 bits), 334 bytes captured (2672 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:52:00.816122880 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343920.816122880 seconds
[Time delta from previous captured frame: 0.402368968 seconds]
[Time delta from previous displayed frame: 0.402368968 seconds]
[Time since reference or first frame: 11.395186758 seconds]
Frame Number: 36
Frame Length: 334 bytes (2672 bits)
Capture Length: 334 bytes (2672 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 320
Identification: 0x581a (22554)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe390 [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 300
Checksum: 0xff3f [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 11.395186758 seconds]
[Time since previous frame: 0.402368968 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 252

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 2917969753 (0xadecaf59)
cam
generationDeltaTime: Unknown (17892) (0x45e4, 17.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110002180) (11.0002180 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (651) (6.51 m/s, 23.44 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .. lowBeamHeadlightsOn: False
        .0.. .. highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
37	11.794446661	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 37: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0
Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:52:01.215382783 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343921.215382783 seconds
[Time delta from previous captured frame: 0.399259903 seconds]
[Time delta from previous displayed frame: 0.399259903 seconds]
[Time since reference or first frame: 11.794446661 seconds]
Frame Number: 37
Frame Length: 134 bytes (1072 bits)
Capture Length: 134 bytes (1072 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 120
Identification: 0x584f (22607)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
...0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe423 [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1
User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 100
Checksum: 0xfe77 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 11.794446661 seconds]
[Time since previous frame: 0.399259903 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 52
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 3069599953 (0xb6f660d1)
cam
generationDeltaTime: Unknown (18292) (0x4774, 18.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110001860) (11.0001860 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (545) (5.45 m/s, 19.62 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: pointOneMeterPerSecSquaredBackward (-1) (-0.1 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
38	12.194427946	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 38: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 01:52:01.615364068 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641343921.615364068 seconds

[Time delta from previous captured frame: 0.399981285 seconds]

[Time delta from previous displayed frame: 0.399981285 seconds]

[Time since reference or first frame: 12.194427946 seconds]

Frame Number: 38

Frame Length: 134 bytes (1072 bits)

Capture Length: 134 bytes (1072 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)

Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Source: 00:00:00_00:00:00 (00:00:00:00:00:00)

Address: 00:00:00_00:00:00 (00:00:00:00:00:00)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 120

Identification: 0x5856 (22614)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xe41c [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401

Source Port: 50965

Destination Port: 4401

Length: 100

Checksum: 0xfe77 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 12.194427946 seconds]

[Time since previous frame: 0.399981285 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 52

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1958567894 (0x74bd5fd6)

cam

generationDeltaTime: Unknown (18692) (0x4904, 18.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110001600) (11.0001600 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (447) (4.47 m/s, 16.09 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
39	12.591578163	127.0.0.1	127.0.0.1	ITS	334	CAM(v2)

Frame 39: 334 bytes on wire (2672 bits), 334 bytes captured (2672 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:52:02.012514285 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343922.012514285 seconds
[Time delta from previous captured frame: 0.397150217 seconds]
[Time delta from previous displayed frame: 0.397150217 seconds]
[Time since reference or first frame: 12.591578163 seconds]
Frame Number: 39
Frame Length: 334 bytes (2672 bits)
Capture Length: 334 bytes (2672 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 320
Identification: 0x5892 (22674)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe318 [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 300
Checksum: 0xff3f [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 12.591578163 seconds]
[Time since previous frame: 0.397150217 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 252

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 589357220 (0x2320e0a4)
cam
generationDeltaTime: Unknown (19092) (0x4a94, 19.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110001390) (11.0001390 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (362) (3.62 m/s, 13.03 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: pointOneMeterPerSecSquaredBackward (-1) (-0.1 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
40	12.973872961	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 40: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:52:02.394809083 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343922.394809083 seconds
[Time delta from previous captured frame: 0.382294798 seconds]
[Time delta from previous displayed frame: 0.382294798 seconds]
[Time since reference or first frame: 12.973872961 seconds]
Frame Number: 40
Frame Length: 134 bytes (1072 bits)
Capture Length: 134 bytes (1072 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 120
Identification: 0x58c5 (22725)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe3ad [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 100
Checksum: 0xfe77 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 12.973872961 seconds]
[Time since previous frame: 0.382294798 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 52

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 3786380479 (0xe1af94bf)
cam
generationDeltaTime: Unknown (19492) (0x4c24, 19.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110001220) (11.0001220 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (277) (2.77 m/s, 9.97 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```



```

No.      Time      Source      Destination      Protocol Length Info
  41 13.403877928 127.0.0.1      127.0.0.1      ITS      134      CAM(v2)
Frame 41: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0
  Interface id: 0 (lo)
    Interface name: lo
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan 5, 2022 01:52:02.824814050 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641343922.824814050 seconds
    [Time delta from previous captured frame: 0.430004967 seconds]
    [Time delta from previous displayed frame: 0.430004967 seconds]
    [Time since reference or first frame: 13.403877928 seconds]
    Frame Number: 41
    Frame Length: 134 bytes (1072 bits)
    Capture Length: 134 bytes (1072 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
  Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0 .... = IG bit: Individual address (unicast)
  Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0 .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 120
  Identification: 0x58fc (22780)
  Flags: 0x4000, Don't fragment
    0... .... = Reserved bit: Not set
    .1.. .... = Don't fragment: Set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0xe376 [validation disabled]
  [Header checksum status: Unverified]
  Source: 127.0.0.1
  Destination: 127.0.0.1
User Datagram Protocol, Src Port: 50965, Dst Port: 4401
  Source Port: 50965
  Destination Port: 4401
  Length: 100
  Checksum: 0xfe77 [unverified]
  [Checksum Status: Unverified]
  [Stream index: 0]
  [Timestamps]
    [Time since first frame: 13.403877928 seconds]
    [Time since previous frame: 0.430004967 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 1
  DstPort: 2001
  DstInfo: 0
  GNCommsProfile: 0x00
  GNRepeatInterval: 0
  GNSecureProfile: 0
  GNSecureSSPLen: 0
  GNSecureITSAID: 0x00000024
  GNSecureSSPBits: <MISSING>
  Length: 52
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 2773623736 (0xa55223b8)
    cam
      generationDeltaTime: Unknown (19892) (0x4db4, 19.892 sec)

```

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110001090) (11.0001090 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (214) (2.14 m/s, 7.70 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: pointOneMeterPerSecSquaredBackward (-1) (-0.1 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

```

No.      Time      Source      Destination      Protocol Length Info
 42 14.193222649 127.0.0.1 127.0.0.1 ITS 134 CAM(v2)
Frame 42: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0
  Interface id: 0 (lo)
    Interface name: lo
  Encapsulation type: Ethernet (1)
  Arrival Time: Jan 5, 2022 01:52:03.614158771 W. Europe Standard Time
  [Time shift for this packet: 0.000000000 seconds]
  Epoch Time: 1641343923.614158771 seconds
  [Time delta from previous captured frame: 0.789344721 seconds]
  [Time delta from previous displayed frame: 0.789344721 seconds]
  [Time since reference or first frame: 14.193222649 seconds]
  Frame Number: 42
  Frame Length: 134 bytes (1072 bits)
  Capture Length: 134 bytes (1072 bits)
  [Frame is marked: False]
  [Frame is ignored: False]
  [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
  [Coloring Rule Name: UDP]
  [Coloring Rule String: udp]
Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
  Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0. .... = IG bit: Individual address (unicast)
  Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0. .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 120
  Identification: 0x595a (22874)
  Flags: 0x4000, Don't fragment
    0... .... = Reserved bit: Not set
    .1.. .... = Don't fragment: Set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0xe318 [validation disabled]
  [Header checksum status: Unverified]
  Source: 127.0.0.1
  Destination: 127.0.0.1
User Datagram Protocol, Src Port: 50965, Dst Port: 4401
  Source Port: 50965
  Destination Port: 4401
  Length: 100
  Checksum: 0xfe77 [unverified]
  [Checksum Status: Unverified]
  [Stream index: 0]
  [Timestamps]
    [Time since first frame: 14.193222649 seconds]
    [Time since previous frame: 0.789344721 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 1
  DstPort: 2001
  DstInfo: 0
  GNCommsProfile: 0x00
  GNRepeatInterval: 0
  GNSecureProfile: 0
  GNSecureSSPLen: 0
  GNSecureITSAID: 0x00000024
  GNSecureSSPBits: <MISSING>
  Length: 52
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 2232142574 (0x850bcaee)
    cam
      generationDeltaTime: Unknown (20692) (0x50d4, 20.692 sec)

```

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000420) (49.0000420 deg)
      longitude: Unknown (110000920) (11.0000920 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (116) (1.16 m/s, 4.18 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: noAcceleration (0) (0.0 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
43	14.793887536	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 43: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:52:04.214823658 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343924.214823658 seconds
[Time delta from previous captured frame: 0.600664887 seconds]
[Time delta from previous displayed frame: 0.600664887 seconds]
[Time since reference or first frame: 14.793887536 seconds]
Frame Number: 43
Frame Length: 134 bytes (1072 bits)
Capture Length: 134 bytes (1072 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 120
Identification: 0x59a7 (22951)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe2cb [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 100
Checksum: 0xfe77 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 14.793887536 seconds]
[Time since previous frame: 0.600664887 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 52

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1339429448 (0x4fd61248)
cam
generationDeltaTime: Unknown (21292) (0x532c, 21.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000420) (49.0000420 deg)
      longitude: Unknown (110000770) (11.0000770 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (240) (2.40 m/s, 8.64 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (2) (0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

```

No.      Time      Source      Destination      Protocol Length Info
  44 15.432036405 127.0.0.1      127.0.0.1      ITS      134      CAM(v2)
Frame 44: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0
  Interface id: 0 (lo)
    Interface name: lo
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan 5, 2022 01:52:04.852972527 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641343924.852972527 seconds
    [Time delta from previous captured frame: 0.638148869 seconds]
    [Time delta from previous displayed frame: 0.638148869 seconds]
    [Time since reference or first frame: 15.432036405 seconds]
    Frame Number: 44
    Frame Length: 134 bytes (1072 bits)
    Capture Length: 134 bytes (1072 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
  Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0. .... = IG bit: Individual address (unicast)
  Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    .... 0. .... = LG bit: Globally unique address (factory default)
    .... 0. .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... 00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 120
  Identification: 0x5a40 (23104)
  Flags: 0x4000, Don't fragment
    0... .... = Reserved bit: Not set
    .1. .... = Don't fragment: Set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0xe232 [validation disabled]
  [Header checksum status: Unverified]
  Source: 127.0.0.1
  Destination: 127.0.0.1
User Datagram Protocol, Src Port: 50965, Dst Port: 4401
  Source Port: 50965
  Destination Port: 4401
  Length: 100
  Checksum: 0xfe77 [unverified]
  [Checksum Status: Unverified]
  [Stream index: 0]
  [Timestamps]
    [Time since first frame: 15.432036405 seconds]
    [Time since previous frame: 0.638148869 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 1
  DstPort: 2001
  DstInfo: 0
  GNCommsProfile: 0x00
  GNRepeatInterval: 0
  GNSecureProfile: 0
  GNSecureSSPLen: 0
  GNSecureITSAID: 0x00000024
  GNSecureSSPBits: <MISSING>
  Length: 52
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 2920060024 (0xae0c9478)
    cam
      generationDeltaTime: Unknown (21892) (0x5584, 21.892 sec)

```

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000420) (49.0000420 deg)
      longitude: Unknown (110000510) (11.0000510 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (367) (3.67 m/s, 13.21 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
45	16.006000040	127.0.0.1	127.0.0.1	ITS	134	CAM(v2)

Frame 45: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 01:52:05.426936162 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641343925.426936162 seconds
[Time delta from previous captured frame: 0.573963635 seconds]
[Time delta from previous displayed frame: 0.573963635 seconds]
[Time since reference or first frame: 16.006000040 seconds]
Frame Number: 45
Frame Length: 134 bytes (1072 bits)
Capture Length: 134 bytes (1072 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
Destination: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: 00:00:00_00:00:00 (00:00:00:00:00:00)
Address: 00:00:00_00:00:00 (00:00:00:00:00:00)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 120
Identification: 0x5a83 (23171)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xe1ef [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 50965, Dst Port: 4401
Source Port: 50965
Destination Port: 4401
Length: 100
Checksum: 0xfe77 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 16.006000040 seconds]
[Time since previous frame: 0.573963635 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 52

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 2076224203 (0x7bc0aacb)
cam
generationDeltaTime: Unknown (22492) (0x57dc, 22.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000420) (49.0000420 deg)
      longitude: Unknown (110000150) (11.0000150 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (478) (4.78 m/s, 17.21 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```