

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	127.0.0.1	127.0.0.1	ITS	323	CAM(v2)

Frame 1: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:24.239975868 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419724.239975868 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: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 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: 309

Identification: 0x5c35 (23605)

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: 0xdf80 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 289

Checksum: 0xff34 [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: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

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


```
        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	0.198369271	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 2: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 22:55:24.438345139 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641419724.438345139 seconds
[Time delta from previous captured frame: 0.198369271 seconds]
[Time delta from previous displayed frame: 0.198369271 seconds]
[Time since reference or first frame: 0.198369271 seconds]
Frame Number: 2
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 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: 109
Identification: 0x5c43 (23619)
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: 0xe03a [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401
Source Port: 52742
Destination Port: 4401
Length: 89
Checksum: 0xfe6c [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 0.198369271 seconds]
[Time since previous frame: 0.198369271 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: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
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	0.399275985	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 3: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 22:55:24.639251853 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641419724.639251853 seconds
[Time delta from previous captured frame: 0.200906714 seconds]
[Time delta from previous displayed frame: 0.200906714 seconds]
[Time since reference or first frame: 0.399275985 seconds]
Frame Number: 3
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 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: 109
Identification: 0x5c4e (23630)
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: 0xe02f [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401
Source Port: 52742
Destination Port: 4401
Length: 89
Checksum: 0xfe6c [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 0.399275985 seconds]
[Time since previous frame: 0.200906714 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: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
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	0.598696175	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 4: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:24.838672043 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419724.838672043 seconds

[Time delta from previous captured frame: 0.199420190 seconds]

[Time delta from previous displayed frame: 0.199420190 seconds]

[Time since reference or first frame: 0.598696175 seconds]

Frame Number: 4

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x5c68 (23656)

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: 0xe015 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 0.598696175 seconds]

[Time since previous frame: 0.199420190 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	0.850653963	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 5: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 22:55:25.090629831 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641419725.090629831 seconds
[Time delta from previous captured frame: 0.251957788 seconds]
[Time delta from previous displayed frame: 0.251957788 seconds]
[Time since reference or first frame: 0.850653963 seconds]
Frame Number: 5
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 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: 109
Identification: 0x5c71 (23665)
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: 0xe00c [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401
Source Port: 52742
Destination Port: 4401
Length: 89
Checksum: 0xfe6c [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 0.850653963 seconds]
[Time since previous frame: 0.251957788 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: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
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	0.999562916	127.0.0.1	127.0.0.1	ITS	323	CAM(v2)

Frame 6: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:25.239538784 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419725.239538784 seconds

[Time delta from previous captured frame: 0.148908953 seconds]

[Time delta from previous displayed frame: 0.148908953 seconds]

[Time since reference or first frame: 0.999562916 seconds]

Frame Number: 6

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 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: 309

Identification: 0x5c93 (23699)

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: 0xdf22 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 289

Checksum: 0xff34 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 0.999562916 seconds]

[Time since previous frame: 0.148908953 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: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	1.200452065	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 7: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 22:55:25.440427933 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641419725.440427933 seconds
[Time delta from previous captured frame: 0.200889149 seconds]
[Time delta from previous displayed frame: 0.200889149 seconds]
[Time since reference or first frame: 1.200452065 seconds]
Frame Number: 7
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 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: 109
Identification: 0x5c9b (23707)
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: 0xdfe2 [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401
Source Port: 52742
Destination Port: 4401
Length: 89
Checksum: 0xfe6c [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 1.200452065 seconds]
[Time since previous frame: 0.200889149 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: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
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	1.400102064	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 8: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 22:55:25.640077932 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641419725.640077932 seconds
[Time delta from previous captured frame: 0.199649999 seconds]
[Time delta from previous displayed frame: 0.199649999 seconds]
[Time since reference or first frame: 1.400102064 seconds]
Frame Number: 8
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 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: 109
Identification: 0x5c9f (23711)
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: 0xdfde [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401
Source Port: 52742
Destination Port: 4401
Length: 89
Checksum: 0xfe6c [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 1.400102064 seconds]
[Time since previous frame: 0.199649999 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: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
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	1.599502198	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 9: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 22:55:25.839478066 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641419725.839478066 seconds
[Time delta from previous captured frame: 0.199400134 seconds]
[Time delta from previous displayed frame: 0.199400134 seconds]
[Time since reference or first frame: 1.599502198 seconds]
Frame Number: 9
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 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: 109
Identification: 0x5cb5 (23733)
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: 0xdfc8 [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401
Source Port: 52742
Destination Port: 4401
Length: 89
Checksum: 0xfe6c [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 1.599502198 seconds]
[Time since previous frame: 0.199400134 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: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
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	1.799971742	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 10: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:26.039947610 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419726.039947610 seconds

[Time delta from previous captured frame: 0.200469544 seconds]

[Time delta from previous displayed frame: 0.200469544 seconds]

[Time since reference or first frame: 1.799971742 seconds]

Frame Number: 10

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x5cde (23774)

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: 0xdf9f [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 1.799971742 seconds]

[Time since previous frame: 0.200469544 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	2.005369986	127.0.0.1	127.0.0.1	ITS	323	CAM(v2)

Frame 11: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0
Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 22:55:26.245345854 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641419726.245345854 seconds
[Time delta from previous captured frame: 0.205398244 seconds]
[Time delta from previous displayed frame: 0.205398244 seconds]
[Time since reference or first frame: 2.005369986 seconds]
Frame Number: 11
Frame Length: 323 bytes (2584 bits)
Capture Length: 323 bytes (2584 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: 309
Identification: 0x5ce7 (23783)
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: 0xdece [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1
User Datagram Protocol, Src Port: 52742, Dst Port: 4401
Source Port: 52742
Destination Port: 4401
Length: 289
Checksum: 0xff34 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 2.005369986 seconds]
[Time since previous frame: 0.205398244 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: 241
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (8492) (0x212c, 8.492 sec)


```
        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	2.217504230	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 12: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:26.457480098 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419726.457480098 seconds

[Time delta from previous captured frame: 0.212134244 seconds]

[Time delta from previous displayed frame: 0.212134244 seconds]

[Time since reference or first frame: 2.217504230 seconds]

Frame Number: 12

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x5d12 (23826)

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: 0xdf6b [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 2.217504230 seconds]

[Time since previous frame: 0.212134244 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	2.399288541	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 13: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:26.639264409 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419726.639264409 seconds

[Time delta from previous captured frame: 0.181784311 seconds]

[Time delta from previous displayed frame: 0.181784311 seconds]

[Time since reference or first frame: 2.399288541 seconds]

Frame Number: 13

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x5d3e (23870)

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: 0xdf3f [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 2.399288541 seconds]

[Time since previous frame: 0.181784311 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	2.617733887	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 14: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:26.857709755 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419726.857709755 seconds

[Time delta from previous captured frame: 0.218445346 seconds]

[Time delta from previous displayed frame: 0.218445346 seconds]

[Time since reference or first frame: 2.617733887 seconds]

Frame Number: 14

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x5d46 (23878)

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: 0xdf37 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 2.617733887 seconds]

[Time since previous frame: 0.218445346 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	3.044675298	127.0.0.1	127.0.0.1	ITS	323	CAM(v2)

Frame 15: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 22:55:27.284651166 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641419727.284651166 seconds
[Time delta from previous captured frame: 0.426941411 seconds]
[Time delta from previous displayed frame: 0.426941411 seconds]
[Time since reference or first frame: 3.044675298 seconds]
Frame Number: 15
Frame Length: 323 bytes (2584 bits)
Capture Length: 323 bytes (2584 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: 309
Identification: 0x5da9 (23977)
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: 0xde0c [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401
Source Port: 52742
Destination Port: 4401
Length: 289
Checksum: 0xff34 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 3.044675298 seconds]
[Time since previous frame: 0.426941411 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: 241

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
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	3.398942939	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 16: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:27.638918807 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419727.638918807 seconds

[Time delta from previous captured frame: 0.354267641 seconds]

[Time delta from previous displayed frame: 0.354267641 seconds]

[Time since reference or first frame: 3.398942939 seconds]

Frame Number: 16

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x5de5 (24037)

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: 0xde98 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 3.398942939 seconds]

[Time since previous frame: 0.354267641 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	3.816542294	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 17: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:28.056518162 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419728.056518162 seconds

[Time delta from previous captured frame: 0.417599355 seconds]

[Time delta from previous displayed frame: 0.417599355 seconds]

[Time since reference or first frame: 3.816542294 seconds]

Frame Number: 17

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x5e27 (24103)

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: 0xde56 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 3.816542294 seconds]

[Time since previous frame: 0.417599355 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	4.200190576	127.0.0.1	127.0.0.1	ITS	323	CAM(v2)

Frame 18: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:28.440166444 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419728.440166444 seconds

[Time delta from previous captured frame: 0.383648282 seconds]

[Time delta from previous displayed frame: 0.383648282 seconds]

[Time since reference or first frame: 4.200190576 seconds]

Frame Number: 18

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 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: 309

Identification: 0x5e2a (24106)

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: 0xdd8b [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 289

Checksum: 0xff34 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 4.200190576 seconds]

[Time since previous frame: 0.383648282 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: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	4.599697931	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 19: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:28.839673799 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419728.839673799 seconds

[Time delta from previous captured frame: 0.399507355 seconds]

[Time delta from previous displayed frame: 0.399507355 seconds]

[Time since reference or first frame: 4.599697931 seconds]

Frame Number: 19

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x5e54 (24148)

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: 0xde29 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 4.599697931 seconds]

[Time since previous frame: 0.399507355 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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 5.000955852	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 20: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:29.240931720 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419729.240931720 seconds

[Time delta from previous captured frame: 0.401257921 seconds]

[Time delta from previous displayed frame: 0.401257921 seconds]

[Time since reference or first frame: 5.000955852 seconds]

Frame Number: 20

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x5e99 (24217)

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: 0xdd4 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 5.000955852 seconds]

[Time since previous frame: 0.401257921 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	5.399248778	127.0.0.1	127.0.0.1	ITS	323	CAM(v2)

Frame 21: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 22:55:29.639224646 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641419729.639224646 seconds
[Time delta from previous captured frame: 0.398292926 seconds]
[Time delta from previous displayed frame: 0.398292926 seconds]
[Time since reference or first frame: 5.399248778 seconds]
Frame Number: 21
Frame Length: 323 bytes (2584 bits)
Capture Length: 323 bytes (2584 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: 309
Identification: 0x5e9e (24222)
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: 0xdd17 [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401
Source Port: 52742
Destination Port: 4401
Length: 289
Checksum: 0xff34 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 5.399248778 seconds]
[Time since previous frame: 0.398292926 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: 241

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
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	5.816499975	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 22: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:30.056475843 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419730.056475843 seconds

[Time delta from previous captured frame: 0.417251197 seconds]

[Time delta from previous displayed frame: 0.417251197 seconds]

[Time since reference or first frame: 5.816499975 seconds]

Frame Number: 22

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x5ea1 (24225)

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: 0xdddc [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 5.816499975 seconds]

[Time since previous frame: 0.417251197 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	6.239722571	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 23: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:30.479698439 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419730.479698439 seconds

[Time delta from previous captured frame: 0.423222596 seconds]

[Time delta from previous displayed frame: 0.423222596 seconds]

[Time since reference or first frame: 6.239722571 seconds]

Frame Number: 23

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x5ecf (24271)

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: 0xddae [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 6.239722571 seconds]

[Time since previous frame: 0.423222596 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	6.616351232	127.0.0.1	127.0.0.1	ITS	323	CAM(v2)

Frame 24: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 22:55:30.856327100 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641419730.856327100 seconds
[Time delta from previous captured frame: 0.376628661 seconds]
[Time delta from previous displayed frame: 0.376628661 seconds]
[Time since reference or first frame: 6.616351232 seconds]
Frame Number: 24
Frame Length: 323 bytes (2584 bits)
Capture Length: 323 bytes (2584 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: 309
Identification: 0x5f09 (24329)
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: 0xdcac [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401
Source Port: 52742
Destination Port: 4401
Length: 289
Checksum: 0xff34 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 6.616351232 seconds]
[Time since previous frame: 0.376628661 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: 241

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
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	7.016770518	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 25: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:31.256746386 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419731.256746386 seconds

[Time delta from previous captured frame: 0.400419286 seconds]

[Time delta from previous displayed frame: 0.400419286 seconds]

[Time since reference or first frame: 7.016770518 seconds]

Frame Number: 25

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x5f34 (24372)

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: 0xdd49 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 7.016770518 seconds]

[Time since previous frame: 0.400419286 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	7.397572116	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 26: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:31.637547984 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419731.637547984 seconds

[Time delta from previous captured frame: 0.380801598 seconds]

[Time delta from previous displayed frame: 0.380801598 seconds]

[Time since reference or first frame: 7.397572116 seconds]

Frame Number: 26

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x5f36 (24374)

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: 0xdd47 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 7.397572116 seconds]

[Time since previous frame: 0.380801598 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	7.800374332	127.0.0.1	127.0.0.1	ITS	323	CAM(v2)

Frame 27: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 22:55:32.040350200 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641419732.040350200 seconds
[Time delta from previous captured frame: 0.402802216 seconds]
[Time delta from previous displayed frame: 0.402802216 seconds]
[Time since reference or first frame: 7.800374332 seconds]
Frame Number: 27
Frame Length: 323 bytes (2584 bits)
Capture Length: 323 bytes (2584 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: 309
Identification: 0x5f8f (24463)
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: 0xdc26 [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401
Source Port: 52742
Destination Port: 4401
Length: 289
Checksum: 0xff34 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 7.800374332 seconds]
[Time since previous frame: 0.402802216 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: 241

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
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	8.251010864	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 28: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:32.490986732 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419732.490986732 seconds

[Time delta from previous captured frame: 0.450636532 seconds]

[Time delta from previous displayed frame: 0.450636532 seconds]

[Time since reference or first frame: 8.251010864 seconds]

Frame Number: 28

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x5fe7 (24551)

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: 0xdc96 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 8.251010864 seconds]

[Time since previous frame: 0.450636532 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	8.614986587	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 29: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:32.854962455 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419732.854962455 seconds

[Time delta from previous captured frame: 0.363975723 seconds]

[Time delta from previous displayed frame: 0.363975723 seconds]

[Time since reference or first frame: 8.614986587 seconds]

Frame Number: 29

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x6014 (24596)

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: 0xdc69 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 8.614986587 seconds]

[Time since previous frame: 0.363975723 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	9.015317315	127.0.0.1	127.0.0.1	ITS	323	CAM(v2)

Frame 30: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 22:55:33.255293183 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641419733.255293183 seconds
[Time delta from previous captured frame: 0.400330728 seconds]
[Time delta from previous displayed frame: 0.400330728 seconds]
[Time since reference or first frame: 9.015317315 seconds]
Frame Number: 30
Frame Length: 323 bytes (2584 bits)
Capture Length: 323 bytes (2584 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: 309
Identification: 0x604c (24652)
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: 0xdb69 [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401
Source Port: 52742
Destination Port: 4401
Length: 289
Checksum: 0xff34 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 9.015317315 seconds]
[Time since previous frame: 0.400330728 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: 241

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
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	9.397466733	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 31: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:33.637442601 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419733.637442601 seconds

[Time delta from previous captured frame: 0.382149418 seconds]

[Time delta from previous displayed frame: 0.382149418 seconds]

[Time since reference or first frame: 9.397466733 seconds]

Frame Number: 31

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x6056 (24662)

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: 0xdc27 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 9.397466733 seconds]

[Time since previous frame: 0.382149418 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	9.815539123	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 32: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:34.055514991 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419734.055514991 seconds

[Time delta from previous captured frame: 0.418072390 seconds]

[Time delta from previous displayed frame: 0.418072390 seconds]

[Time since reference or first frame: 9.815539123 seconds]

Frame Number: 32

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x607a (24698)

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: 0xdc03 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 9.815539123 seconds]

[Time since previous frame: 0.418072390 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	10.216383617	127.0.0.1	127.0.0.1	ITS	323	CAM(v2)

Frame 33: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:34.456359485 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419734.456359485 seconds

[Time delta from previous captured frame: 0.400844494 seconds]

[Time delta from previous displayed frame: 0.400844494 seconds]

[Time since reference or first frame: 10.216383617 seconds]

Frame Number: 33

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 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: 309

Identification: 0x607b (24699)

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: 0xdb3a [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 289

Checksum: 0xff34 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 10.216383617 seconds]

[Time since previous frame: 0.400844494 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: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	10.598627882	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 34: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:34.838603750 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419734.838603750 seconds

[Time delta from previous captured frame: 0.382244265 seconds]

[Time delta from previous displayed frame: 0.382244265 seconds]

[Time since reference or first frame: 10.598627882 seconds]

Frame Number: 34

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x60d5 (24789)

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: 0xdba8 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 10.598627882 seconds]

[Time since previous frame: 0.382244265 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	10.996638798	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 35: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:35.236614666 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419735.236614666 seconds

[Time delta from previous captured frame: 0.398010916 seconds]

[Time delta from previous displayed frame: 0.398010916 seconds]

[Time since reference or first frame: 10.996638798 seconds]

Frame Number: 35

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x6106 (24838)

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: 0xdb77 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 10.996638798 seconds]

[Time since previous frame: 0.398010916 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	11.407336455	127.0.0.1	127.0.0.1	ITS	323	CAM(v2)

Frame 36: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:35.647312323 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419735.647312323 seconds

[Time delta from previous captured frame: 0.410697657 seconds]

[Time delta from previous displayed frame: 0.410697657 seconds]

[Time since reference or first frame: 11.407336455 seconds]

Frame Number: 36

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 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: 309

Identification: 0x6147 (24903)

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: 0xda6e [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 289

Checksum: 0xff34 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 11.407336455 seconds]

[Time since previous frame: 0.410697657 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: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	11.815098729	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 37: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:36.055074597 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419736.055074597 seconds

[Time delta from previous captured frame: 0.407762274 seconds]

[Time delta from previous displayed frame: 0.407762274 seconds]

[Time since reference or first frame: 11.815098729 seconds]

Frame Number: 37

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x619d (24989)

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: 0xdae0 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 11.815098729 seconds]

[Time since previous frame: 0.407762274 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	12.197899229	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 38: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:36.437875097 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419736.437875097 seconds

[Time delta from previous captured frame: 0.382800500 seconds]

[Time delta from previous displayed frame: 0.382800500 seconds]

[Time since reference or first frame: 12.197899229 seconds]

Frame Number: 38

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x61a6 (24998)

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: 0xdad7 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 12.197899229 seconds]

[Time since previous frame: 0.382800500 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	12.613132978	127.0.0.1	127.0.0.1	ITS	323	CAM(v2)

Frame 39: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (lo)
Interface name: lo
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 22:55:36.853108846 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641419736.853108846 seconds
[Time delta from previous captured frame: 0.415233749 seconds]
[Time delta from previous displayed frame: 0.415233749 seconds]
[Time since reference or first frame: 12.613132978 seconds]
Frame Number: 39
Frame Length: 323 bytes (2584 bits)
Capture Length: 323 bytes (2584 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: 309
Identification: 0x61ca (25034)
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: 0xd9eb [validation disabled]
[Header checksum status: Unverified]
Source: 127.0.0.1
Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401
Source Port: 52742
Destination Port: 4401
Length: 289
Checksum: 0xff34 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 12.613132978 seconds]
[Time since previous frame: 0.415233749 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: 241

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
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	13.011598241	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 40: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:37.251574109 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419737.251574109 seconds

[Time delta from previous captured frame: 0.398465263 seconds]

[Time delta from previous displayed frame: 0.398465263 seconds]

[Time since reference or first frame: 13.011598241 seconds]

Frame Number: 40

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x6221 (25121)

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: 0xda5c [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 13.011598241 seconds]

[Time since previous frame: 0.398465263 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	13.412598797	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 41: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:37.652574665 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419737.652574665 seconds

[Time delta from previous captured frame: 0.401000556 seconds]

[Time delta from previous displayed frame: 0.401000556 seconds]

[Time since reference or first frame: 13.412598797 seconds]

Frame Number: 41

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x6262 (25186)

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: 0xda1b [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 13.412598797 seconds]

[Time since previous frame: 0.401000556 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	14.213893729	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 42: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:38.453869597 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419738.453869597 seconds

[Time delta from previous captured frame: 0.801294932 seconds]

[Time delta from previous displayed frame: 0.801294932 seconds]

[Time since reference or first frame: 14.213893729 seconds]

Frame Number: 42

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x631d (25373)

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: 0xd960 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 14.213893729 seconds]

[Time since previous frame: 0.801294932 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	14.814919512	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 43: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:39.054895380 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419739.054895380 seconds

[Time delta from previous captured frame: 0.601025783 seconds]

[Time delta from previous displayed frame: 0.601025783 seconds]

[Time since reference or first frame: 14.814919512 seconds]

Frame Number: 43

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x63a3 (25507)

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: 0xd8da [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 14.814919512 seconds]

[Time since previous frame: 0.601025783 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	15.414409398	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 44: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:39.654385266 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419739.654385266 seconds

[Time delta from previous captured frame: 0.599489886 seconds]

[Time delta from previous displayed frame: 0.599489886 seconds]

[Time since reference or first frame: 15.414409398 seconds]

Frame Number: 44

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x641a (25626)

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: 0xd863 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 15.414409398 seconds]

[Time since previous frame: 0.599489886 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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	16.023929003	127.0.0.1	127.0.0.1	ITS	123	CAM(v2)

Frame 45: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (lo)

Interface name: lo

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 22:55:40.263904871 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641419740.263904871 seconds

[Time delta from previous captured frame: 0.609519605 seconds]

[Time delta from previous displayed frame: 0.609519605 seconds]

[Time since reference or first frame: 16.023929003 seconds]

Frame Number: 45

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 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: 109

Identification: 0x64a4 (25764)

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: 0xd7d9 [validation disabled]

[Header checksum status: Unverified]

Source: 127.0.0.1

Destination: 127.0.0.1

User Datagram Protocol, Src Port: 52742, Dst Port: 4401

Source Port: 52742

Destination Port: 4401

Length: 89

Checksum: 0xfe6c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 16.023929003 seconds]

[Time since previous frame: 0.609519605 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: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

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)
```