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| **CHANGE REQUEST**  |
|  | ETSI TS 102 894-2 | **Version** | V0.0.1\_2.1.1 | **CR** | 7 | **rev** | - |  |
|  |
| **CR Title** | Define CauseCode 20 (violence) to CDD |
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| **Original Source** | ITS WG 1 |
|  |  |
| **Work Item Ref** | REN/ITS-00194 | **Submission date** |  |
| **Approving TB**  | ITS | **Approval date** | 02.07.2021 |
| **Category:** | **B** | **Release** | 2 |  |
|  | Use **one** of the following categories:**F** (correction)**A** (correction in an earlier release)**B** (addition of feature) **C** (functional modification of feature)**D** (editorial modification) |  |
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| **Reason for change** | A specific CauseCode shall be made available to enable the DEN service to signal violence on the road.The violence DENM is meant to support a corresponding use case that includes the signalling of all types of human-caused violence on the road (including bridges and tunnels) and/or so near to a road such that the violent actions cause a considerable safety risk. |
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| **Consequence if not approved** | A corresponding DENM cannot be issued by an RSU |
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| **Summary of change** | Add the name *violence* to value 20 in DE\_CauseCodeType |
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| **Clauses affected** | A.10 DE\_CauseCodeType and Annex B |
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| **Linked Change Requests** |  |  |
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| **Other comments** |  |
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# A.10 DE\_CauseCodeType

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| **Descriptive Name** | CauseCodeType  |
| **Identifier** | DataType\_ 10 |
| **ASN.1 representation** | CauseCodeType ::= INTEGER { reserved (0), trafficCondition (1), accident (2), roadworks (3), impassability (5), adverseWeatherCondition-Adhesion (6), aquaplannning (7), hazardousLocation-SurfaceCondition (9), hazardousLocation-ObstacleOnTheRoad (10), hazardousLocation-AnimalOnTheRoad (11), humanPresenceOnTheRoad (12), wrongWayDriving (14), rescueAndRecoveryWorkInProgress (15), adverseWeatherCondition-ExtremeWeatherCondition (17), adverseWeatherCondition-Visibility (18), adverseWeatherCondition-Precipitation (19), violence (20), slowVehicle (26), dangerousEndOfQueue (27), vehicleBreakdown (91), postCrash (92), humanProblem (93), stationaryVehicle (94), emergencyVehicleApproaching (95), hazardousLocation-DangerousCurve (96), collisionRisk (97), signalViolation (98), dangerousSituation (99) } (0..255) |
| **Definition** | Value of the direct cause code of a detected event as defined in ETSI EN 302 637‑3 [i.3]. The value is assigned according to the clause 7.1.4 of ETSI EN 302 637-3 [i.3].The cause codes are described as following:* reserved (0): the value is reserved for future use,
* trafficCondition (1): the type of event is an abnormal traffic condition,
* accident (2): the type of event is a road accident,
* roadworks (3): the type of event is roadwork,
* value 4: reserved for future usage,
* impassability (5): the type of event is unmanaged road blocking, referring to any blocking of a road, partial or total, which has not been adequately secured and signposted,
* adverseWeatherCondition-Adhesion (6): the type of event is low adhesion,
* aquaplaning (7): danger of aquaplaning on the road,
* value 8: reserved for future usage,
* hazardousLocation-SurfaceCondition (9): the type of event is abnormal road surface condition,
* hazardousLocation-ObstacleOnTheRoad (10): the type of event is obstacle on the road,
* hazardousLocation-AnimalOnTheRoad (11): the type of event is animal on the road,
* humanPresenceOnTheRoad (12): the type of event is human presence on the road,
* value 13: reserved for future usage,
* wrongWayDriving (14): the type of the event is vehicle driving in wrong way,
* rescueAndRecoveryWorkInProgress (15): the type of event is rescue and recovery work for accident or for a road hazard in progress,
* value 16: reserved for future usage,
* adverseWeatherCondition-ExtremeWeatherCondition (17): the type of event is extreme weather condition,
* adverseWeatherCondition-Visibility (18): the type of event is low visibility,
* adverseWeatherCondition-Precipitation (19): the type of event is precipitation,
* violence (20): the type of event is human violence on or near the road,
* value 21-25: reserved for future usage,
* slowVehicle (26): the type of event is slow vehicle driving on the road,
* dangerousEndOfQueue (27): the type of event is dangerous end of vehicle queue,
* Value 28-90: reserved for future usage,
* vehicleBreakdown (91): the type of event is break down vehicle on the road,
* postCrash (92): the type of event is a detected crash,
* humanProblem (93): the type of event is human health problem in vehicles involved in traffic,
* stationaryVehicle (94): the type of event is stationary vehicle,
* emergencyVehicleApproaching (95): the type of event is approaching vehicle operating emergency mission,
* hazardousLocation-DangerousCurve (96): the type of event is dangerous curve,
* collisionRisk (97): the type of event is a collision risk,
* signalViolation (98): the type of event is signal violation,
* dangerousSituation (99): the type of event is dangerous situation in which autonomous safety system in vehicle is activated,
* value 100-255: reserved for future usage.
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| **Unit** | N/A |
| **Category** | Traffic information |