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| **CHANGE REQUEST** |
|  | ETSI TS 102 894-2 | **Version** | 0.0.1\_2.1.1 | **CR** | *5* | **rev** | - |  |
|  |
| **CR Title** | Add SubCauseCode 10 (vehicleOnFire) to CauseCode 91 in CDD |
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| **Original Source** | ITS WG1 |
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| **Work Item Ref** | RTS/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 SubCauseCode shall be made available to signal a “moving vehicle on fire”.  |
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| **Consequence if not approved** | A DENM cannot be issued by e.g. an RSU, or even the burning vehicle on its own. |
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| **Summary of change** | Add the name *vehicleOnFire* to value 10 in *VehicleBreakdownSubCauseCode* |
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| **Clauses affected** | A.90 and Annex B |
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| **Linked Change Requests** |  |  |
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| **Other comments** | The ASN.1 encoding is not affected since the change only assigns a name to a previously reserved value.  |
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# A.90 DE\_VehicleBreakdownSubCauseCode

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| **Descriptive Name** | VehicleBreakdownSubCauseCode |
| **Identifier** | DataType\_ 90 |
| **ASN.1 representation** | VehicleBreakdownSubCauseCode ::= INTEGER {unavailable(0), lackOfFuel (1), lackOfBatteryPower (2), engineProblem(3), transmissionProblem(4), engineCoolingProblem(5), brakingSystemProblem(6), steeringProblem(7), tyrePuncture(8), tyrePressureProblem(9) vehicleOnFire(10)} (0..255)  |
| **Definition** | Encoded value of the sub cause codes of the event type "vehicleBreakdown" as specified in clause A.10. Definition of the sub event cause is defined and the value is assigned according to clause 7.1.4 of ETSI EN 302 637-3 [i.3].The sub causes are described as following:* unavailable(0): in case further detailed information on cause of vehicle break down is unavailable,
* lackOfFuel(1): in case vehicle break down is due to lack of fuel,
* lackOfBatteryPower(2): in case vehicle break down is caused by lack of battery power,
* engineProblem(3): in case vehicle break down is caused by an engine problem,
* transmissionProblem(4): in case vehicle break down is caused by transmission problem,
* engineCoolingProblem(5): in case vehicle break down is caused by an engine cooling problem,
* brakingSystemProblem(6): in case vehicle break down is caused by a braking system problem,
* steeringProblem(7): in case vehicle break down is caused by a steering problem,
* tyrePuncture(8): in case vehicle break down is caused by tire puncture,
* tyrePressureProblem(9); in case low tyre pressure in detected,
* vehicleOnFire(10): in case the vehicle is on fire,
* value 11-255: reserved for future usage.
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| **Unit** | N/A |
| **Category** | Traffic information |