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| **CHANGE REQUEST**  |
|  | ETSI TS 102 894-2 | **Version** | V1.3.1  | **CR** | 3 | **rev** | - |  |
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| **CR Title** | Define the meaning of subCauseCode |
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| **Original Source** | ITS WG 1 |
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| **Work Item Ref** | REN/ITS-00168 | **Submission date** | 23/03/2021 |
| **Approving TB**  | ITS | **Approval date** | 26/03/2021 |
| **Category:** | **F** | **Release** | 1 |  |
|  | 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** | New subCauseCodes are generated by assigning names to integer values in a predefined fix range (0..255). The assignment of names is therefore in itself syntactically backwards compatible with “old receivers” because it does not involve any change to the message syntax. From a semantical perspective it is unclear however, what the expected behavior at the receiver is in case it receives a known causeCode and an unknown subCauseCode. |
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| **Consequence if not approved** | Receivers will reject DENMs if the subCauseCode is unknown.  |
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| **Summary of change** | Define the interpretation of the subCauseCode as optional. |
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| **Clauses affected** | A.104 |
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| **Linked Change Requests** | CR TS 102 894-2#0007 |  |
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| **Other comments** | Also note the double semantics in the definition of DF\_CauseCode |
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# A.104 DF\_CauseCode

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| **Descriptive Name** | CauseCode |
| **Identifier** | DataType\_ 104 |
| **ASN.1 representation** | CauseCode ::= SEQUENCE {causeCode CauseCodeType,subCauseCode SubCauseCodeType,... } |
| Definition | Encoded value of a traffic event type. The DF shall include the following information:* causeCode: the main cause of a detected event. It shall be presented as defined in clause A.10 CauseCodeType,
* subCauseCode: the subordinate cause of a detected event. It shall be presented as defined in clause A.81 SubCauseCodeType.

The semantics of the entire DF are completely defined by the component causeCode. The interpretation of the subCauseCode may provide additional information that is not strictly necessary to understand the causeCode itself, and is therefore optional.The values of causeCodeType and subCauseCode are defined in clause 7.1.4 of ETSI EN 302 637-3 [i.3]. |
| **Unit** | N/A |
| **Category** | Traffic information |