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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CHANGE REQUEST** | | | | | | | | | | | | | | | |
|  | ETSI TS 103 301 | | | **Version** | 2.1.1 | **CR** | | 3 | | **rev** | | | | - |  |
|  | | | | | | | | | | | | | | | |
| **CR Title** | | Correct and clarification on SPATEM repetition | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | |
| **Original Source** | | ITS WG 1 | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | |
| **Work Item Ref** | | RTS/ITS-00181 | | | | | **Submission date** | | | | | 04.05.2021 | | | |
| **Approving TB** | | ITS | | | | | **Approval date** | | | | | 02.07.2021 | | | |
| **Category:** | | **F** | **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) | | | | | | | | | | |  | | |
|  | |  | | | | | | | | | | | | | |
| **Reason for change** | | | Chapter 5.4.2 states “The SPATEM is not repeated.” This sentence can be misunderstood in a way that there shall be no two SPATEMs originated by the same station with identical content. This would lead to issues, for example with fixed time operated traffic lights. They would have to update something (e.g. time information) for each SPATEM to be compliant.  Instead, the sentence should clarify that no repetition process shall be used (e.g. as for DENMs). It should be valid that two consecutive SPATEMs contain identical content even if the traffic light controller did not calculated new data in between. As a result, a station should be allowed to trigger the single transmission of a SPATEM but not the automatic repetition of a SPATEM multiple times.  Furthermore, an entry in Table 3 is in conflict with the mentioned sentence of chapter 5.4.2. Table 3 states “CSP\_Resilience | High | **Repeated** transmission of the same message”. | | | | | | | | | | | | |
|  | | |  | | | | | | | | | | | | |
| **Consequence if not approved** | | | A misunderstanding whether or not a SPATEM shall be repeated can lead to an undefined or unclear expected behaviour for compliance testing. | | | | | | | | | | | | |
|  | | |  | | | | | | | | | | | | |
| **Summary of change** | | | Update clause 5.4.2 and Table 3. | | | | | | | | | | | | |
|  | | |  | | | | | | | | | | | | |
| **Clauses affected** | | | 5.4.2, Table 3 (in clause 5.4.3.2) | | | | | | | | | | | | |
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| **Linked Change Requests** | | | - | | | | | |  | | | | | | |
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| **Other comments** | | | - | | | | | | | | | | | | |
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5.4.2 TLM service trigger, update, repetition and termination

The application triggers the TLM service for the transmission of SPATEM. The application provides all data content

included in a SPATEM payload. The TLM service constructs a SPATEM and delivers it to the ITS Networking &

Transport Layer for dissemination. The TLM service shall not execute a SPATEM repetition process.

Note:  this does not exclude that consecutively triggered SPATEMs can contain exactly the same content in case there is no new information from the traffic light controller.

The TLM service shall be terminated, if the ITS-S application requests the termination.

5.4.3.2 TLM service communication requirements for short range access

Technologies

**Table 3: TLM service communication requirements for short range access technologie**

| Performance communication service parameters |

CSP\_Resilience | High |