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| **CHANGE REQUEST** | | | | | | | | | | | | | | | |
|  | ETSI EN 302 637-2 | | | **Version** | 1.4.1 | **CR** | | *4* | | **rev** | | | | - |  |
|  | | | | | | | | | | | | | | | |
| **CR Title** | | Change CAM generation frequency for RSU ITS-S | | | | | | | | | | | | | |
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| **Original Source** | | ITS WG1 | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | |
| **Work Item Ref** | | REN/ITS-0010089 | | | | | **Submission date** | | | | | *25.10.2022* | | | |
| **Approving TB** | | ITS | | | | | **Approval date** | | | | |  | | | |
| **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** | | | Currently the standard states: “The CAM generation frequency for RSU ITS-Ss defined by the time interval between two consecutive CAM generations shall be set in such a way, that at least one CAM is transmitted while a vehicle is in the communication zone of the RSU ITS-S. ***The time interval shall be greater than or equal to 1 000 ms. This corresponds to a maximum CAM generation rate of 1 Hz****.*”  In this way, an RSU can never answer to the TS 103 097 *inlineP2pcdRequest* for an unknown authorization authority certificate, because each CAM shall contain the ITS-S´ own Authorization Ticket, which is to be sent at least once per second.  Therefore it is necessary to be allowed to increase the transmission rate of I2V CAMs to above 1Hz. | | | | | | | | | | | | |
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| **Consequence if not approved** | | | The RSU cannot provide the unknown authorization authority certificate to the vehicle. The vehicle cannot verify the certificate chain of Infrastructure messages specified in TS 103 301. | | | | | | | | | | | | |
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| **Summary of change** | | | Change wording to:  “*The CAM generation frequency for RSU ITS-Ss defined by the time interval between two consecutive CAM generations shall be set in such a way, that at least one CAM is transmitted while a vehicle is in the communication zone of the RSU ITS-S* ***and that an inlineP2pcdRequest for an unknown authorization authority certificate from that same vehicle can be answered according to TS 103 097 [5] at least once thereafter****. The time interval shall be greater than or equal to 500ms.*  *~~The time interval shall be greater than or equal to 1 000 ms. This corresponds to a maximum CAM generation rate of 1 Hz~~.*” | | | | | | | | | | | | |
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| **Clauses affected** | | | 6.1.4 | | | | | | | | | | | | |
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| **Linked Change Requests** | | |  | | | | | |  | | | | | | |
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| **Other comments** | | |  | | | | | | | | | | | | |
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