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| **CHANGE REQUEST** |
|  | ETSI EN 302 637-2 | **Version** | 1.4.1 | **CR** | *4* | **rev** | - |  |
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| **CR Title** | Change CAM generation frequency for RSU ITS-S |
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| **Original Source** | ITS WG1 |
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| **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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