

UE Response Evaluation Report: Test time: 2024-05-24 11:52:26

SL	Test Name	Test content	Status	Remark
1	test_case_0	<p>This is a security test for an UE. The UE sent registration request then The AMF sent registration reject to UE. The test summary as follows:</p> <p>Uplink message from the UE: registration request Downlink command: registration reject 5G-AKA: Not completed Message send as: Plain 5GMM Cause: 69 UE provided: No response</p> <p>The packet capture during the test using wireshark is: 0.0 UE to Core InitialUEMessage, Registration request, Registration request 0.0003371238708496094 Core to UE SACK (Ack=0, Arwnd=106496) , DownlinkNASTransport, Registration reject (Insufficient resources for specific slice)</p> <p>Was the UE behavior secure? Compare what the UE should have done with what UE actually did? You must mention section or page numbers in your reasoning. And you must include the reason for your decision in more than 50 words. First, state whether the behavior was secure or insecure, followed by a full stop. Then provide the reason to support your decision.</p>	Insecure	<p>The behavior was insecure. The UE did not provide any response after receiving the registration reject message from the AMF, which is not the expected behavior according to the 3GPP TS 24.501 specification, section 8.2.6.4.1. This section states that the UE should respond to the Registration Reject message by either initiating a new registration procedure or by starting a de-registration procedure. The lack of response from the UE could indicate a potential security issue, as it could be a sign of a malfunctioning or compromised device. It also indicates a failure in the 5G-AKA procedure, which is a critical component of the 5G security architecture as per 3GPP TS 33.501. Therefore, the UE behavior is considered insecure.</p>