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## Submit #741901: Open5GS v2.7.6 Buffer Over-read

**Title** Open5GS v2.7.6 Buffer Over-read

**Description** Open5GS version 2.7.6 suffers from a buffer overread, which has been disclosed and acknowledged by the developers and fixed.

For reproduction, this can be triggered by executing the VoLTE CX Test, like described in the Github Issue (<https://github.com/open5gs/open5gs/issues/4177>).

The stack buffer ak is logged using OGS\_KEY\_LEN, but it is allocated with the shorter OGS\_AK\_LEN. This leads to a stack buffer overread, which is being logged. This mismatch causes a stack buffer over-read during logging, potentially leading to instability or information leakage. This is potentially remotely triggerable.

**Source** <https://github.com/open5gs/open5gs/issues/4177>

**User** jungnickel (UID 94661)

**Submission** 01/19/2026 10:29 AM (3 months ago)

**Moderation** 02/02/2026 08:02 PM (14 days later)

**Status** Accepted

**VulDB entry** [343795](#) [Open5GS up to 2.7.6 VoLTE Cx-Test src/hss/hss-cx-path.c hss\_ogs\_diam\_cx\_mar\_cb OGS\_KEY\_LEN stack-based overflow]

**Points** 20

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