

26.4 Lower layer failures in layer 3 testing

26.4.1 Introduction

The text in this section is intended to develop a standardized way of creating lower layer failures whilst testing the performance of Layer 3 signalling.

There are two groups of lower layer failures:

- 1) Detected by analysis of reception at Layer 1 (GSM 05.08, GSM 04.08),
- 2) Data link layer failures.

References

GSM 04.08, GSM 04.06, GSM 05.08

26.4.2 Layer 1 reception failures

The absence of reception of correct frames on the SACCH until the S counter reaches value 0 will be interpreted as a Layer 1 failure.

26.4.3 Data link layer failures

Many kinds of error cases can be caused in Layer 2. For example too many "T200 - time-out/retrying" - pairs.

NOTE 1: All types of data link failures are indicated similarly to the RR layer (Release Indication).

NOTE 2: All types of L1 failures are indicated similarly to each layer (Abort Indication, Error Indication).

26.4.4 Lower layer failures, used for the tests in clause 25

For L3 testing different lower layer failures are performed:

- 1) T100 time-out in Layer 1.
- 2) Too many T200 time-outs consecutively in Layer 2.