

## 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.