



## Telecommunications equipment – Private Branch Exchanges (PBXs) – Signalling requirements in digital interface for incoming exchange line – Amendment 2

*Telekommunikationsutrustning – Abonnentväxlar – Signaleringskrav i digitalt gränssnitt för ankommande huvudledning – Tillägg 2*

### 1 Introduction

This amendment refers to Edition 2 of SS 63 63 32.

### 2 Amendments

**Clause 2** The references SS 63 63 25 and SS 63 63 31 are not applicable for this document any longer.

**Clause 3** The second sentence in the second paragraph shall be deleted.

**Subclause 4.1.2** The text shall be amended to read in full :

”This standard refers to signalling in a digital interface with a frame and multi-frame structure and associated functions in accordance with SS 63 63 29.

The term signalling channel as used here refers to the four signalling bits a, b, c and d contained in time slot 16 in each transmission direction for each circuit concerned. Index f (e.g. a<sub>f</sub>) denotes the forward direction (PSTN → PBX) and index b (e.g. a<sub>b</sub>) denotes the backward direction (PBX → PSTN). The PBX shall assign the value of 0 or 1 to the signalling state in signalling channels a<sub>b</sub> and b<sub>b</sub> as specified in the following clauses. The PBX shall permanently assign the value of 0 to the signalling state in signalling channel c<sub>b</sub> and the value of 1 to the signalling state in signalling channel d<sub>b</sub>.

The signalling process also includes certain tone messages in the voice frequency channel.”

**Subclause 4.2.1** The text in the Note shall be regarded as a part of the main text.

**Subclause 4.2.3** The subclause shall be deleted.

**Subclause 4.2.6** On the first line "clearing signal" shall be amended to "clear-back signal".

**Subclause 4.2.7** In the last sentence, "3 minutes" shall be amended to "90 s".

**Subclause 4.2.9** The text shall be amended to read in full:

"External call transfer, from an incoming to an outgoing exchange line, may be performed in a PBX or in a PBX network if

- clear-back signals are forwarded by the PBX from the outgoing to the incoming exchange line within 3s, and
- clear-forward (i.e. forced release) signals are forwarded by the PBX from the incoming to the outgoing exchange line within 3s."

**Annex A, page 5** The last sentence shall be amended to

"With a signal converter, the signalling system may also be used for connection of a digital exchange line to an analogue exchange line interface of a PBX, see figure on page 9."

**Annex A, page 6** State No 6 shall be deleted.

In state No 9, "Clear-back" shall be amended to "Clear-forward".

In state No 15 the four bit values shall be "0" during the whole state period.

**Annex A, page 7** Line 4 shall be amended to "t00 → t01 < 180 s".

Line 5 shall be amended to "t01 → t02 = 15-150 ms".

The time limit t53 → t54 including the text after "1)" shall be deleted.

**Annex A, page 8** State No 6 in the sequence chart shall be deleted.

**Annex A, page 9** In the figure, the lower left part (showing connection to an analogue public exchange) shall be deleted.

The legend and the text for "Bit value "1" or "0" " shall be deleted.