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Signalizacijski protokoli in komutacija (SPS) - Vmesniki "V" pri digitalnih krajevnih centralah (LE) - Vmesnik V5.1 za podporo dostopovnega omrežja (AN) - 1. del: Specifikacija vmesnika V5.1

V interfaces at the digital Local Exchange (LE); V5.1 interface for the support of Access Network (AN); Part 1: V5.1 interface specification

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Part 1: V5.1 interface specification**

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Signalling Protocols and Switching (SPS) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS is part 1 of a multi-part standard covering the V5.1 interface specification as described below:

Part 1: V5.1 interface specification;

Part 2: Protocol Implementation Conformance Statement (PICS) proforma;

Part 3: Test Suite Structure and Test Purposes (TSS&TP).

NOTE: At the time of publication of this ETS, the final structure of further part(s) and/or separate ETS(s) containing the test specifications was still under study.

Introduction

The work on a new V interface concept was initiated by a request from the ETSI Technical Assembly (TA) to Technical Committee Network Aspects (TC NA), in particular Sub-Technical Committee (STC) NA4 to consider, in cooperation with other STCs involved, possible new structures and interfaces for the connection of new access arrangements to local exchanges. After two meetings (in January and May 1991) the work was terminated with some guidelines for further consideration.

The work was taken over by a Special Experts Group, set up by TC SPS, working under STC SPS3, with experts from several STCs, e.g. SPS5, TM3 and NA4. This was to avoid a split of the difficult task to several STCs requiring intensive cooperation and possibly may have caused significant delay of the standardization work.

TC SPS identified in the terms of reference two interface concepts, one based on a static multiplexer principle, now called V5.1 interface, and another based on a dynamic, concentrator type principle, now called V5.2 interface. It was requested that the overall concept should provide facilities for an evolution from V5.1 to V5.2.

This V5.1 interface standard, forming part of a number of standards of the V5 interface concept, has been developed by the Special Experts Group mentioned above. Due to the importance of this new V5 concept and the urgency identified by SPS the Special Experts Group met about every month over a time period of 17 months to fulfil this task in time.

Other STCs involved have been informed about the decisions made and the progress of work by distribution of the meeting reports and any other material in a regular way to the STC chairman or other involved persons. SPS3 and SPS5 were involved especially by distribution of advanced drafts for preparation of the discussion in these STCs and approval by SPS3.

The following set of standards and reports is expected to relate to the V5 interface concept:

| | |
|----------------|---|
| ETS 300 324-1: | V5.1 interface to support the access network; |
| ETS 300 324-2: | Protocol implementation conformance statement for the V5.1 interface; |
| ETS 300 324-3: | Test suite structure and test purposes for the V5.1 interface; |
| ETS 300 347-1: | V5.2 interface to support the access network; |
| ETS 300 347-2: | Protocol implementation conformance statement for the V5.2 interface; |
| ETS 300 347-3: | Test suite structure and test purposes for the V5.2 interface; |