



Primary Rate ISDN Trunk Management Software

Key Features

- World Wide Switch types available
- User Side and Network Side options available
- Layer 2/Q.921 for each switch type is available
- Driver for HDLC device is included
- D channel signaling may be run on selected DS0 channels of any T1 or E1 line
- Fully integrated with NComm's T1/E1 TMS

Standards Compliance

- ANSI T1.403.01
- AT&T TR-41459
- ETSI ETS 300 403
- ITU-T I.431
- ITU-T Q.920
- ITU-T Q.921
- ITU-T Q.930
- ITU-T Q.931
- Lucent Technologies 235-900-342
- Nortel NIS-A211-1
- Telcordia SR-NWT-002343
- Telcordia TR-NWT-001268

Key Benefits

- Fully Standards Compliant
- Turnkey solution
- OS independent
- Pre-ported to Linux
- Easy to use APIs
- Sample application included
- ANSI C Source Code
- Driver Included
- Field proven by multiple customers
- Software deployed worldwide
- Zero defect policy

Switch Types

- National ISDN-2
- AT&T 4ESS, 5ESS
- Nortel DMS-100/DMS-250
- Euro ISDN
- HKTA 2015 (Hong Kong)
- Others – Please enquire

With NComm's proven source code and protocol stack, you have the quality and standard compliance interfaces that you need for less cost than you can do it yourself.

Product Overview

NComm's Primary Rate Integrated Services Digital Network (PRI TMS) protocol stack provides the Layer 2 Q.921 and Layer 3 Q.931 D channel signaling required for T1/E1 PRI network interfaces. All switch types are immediately available including both User-Side and Network-Side protocols. The HDLC driver required for Q.921 is also included.

PRI TMS is responsible for properly implementing and responding to messages on the D-channel including:

- Call control messages
- Error handling
- Bearer channel capability screening
- Managing call reference assignments
- Managing the bearer channel assignments

The NComm ISDN TMS supports the ability to have different pieces of the protocol stack reside on different processors to handle your hardware application.

The NComm ISDN TMS is fully integrated with NComm's T1/E1 TMS product allowing T1/E1 alarms to be automatically handled according to the switch type requirements by the ISDN TMS alleviating the application developer to implement these requirements.

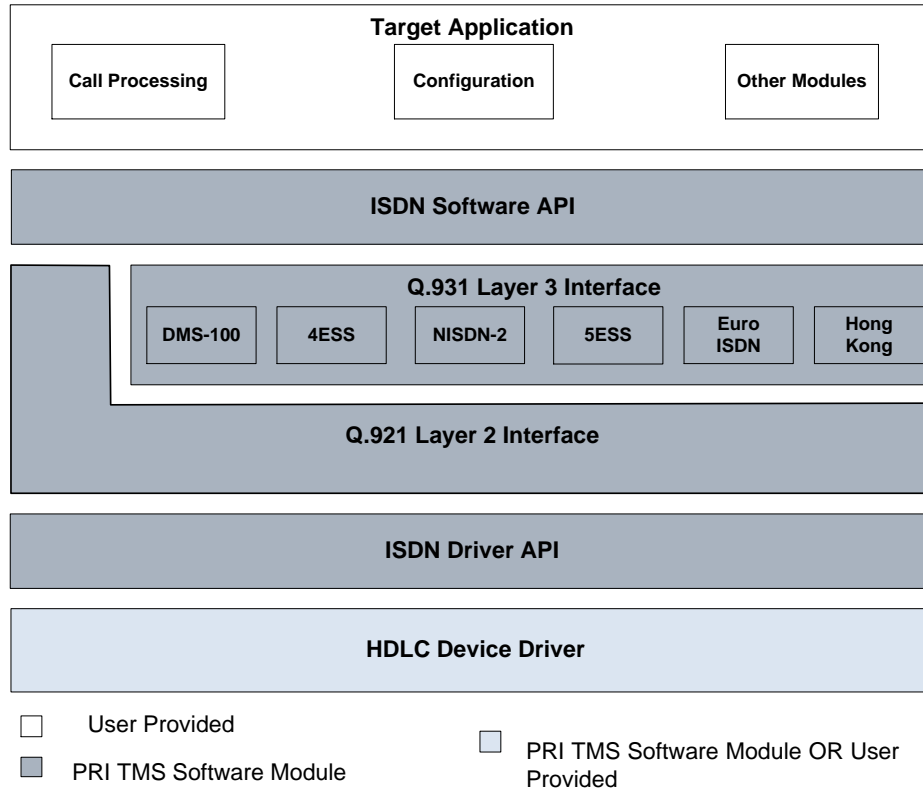
NComm's PRI TMS is supplied as ANSI C source code. User manuals, implementation training and technical support are also included with each license. A sample demo application provides functionality very quickly. This sample application also functions as a guide for integration of the PRI TMS API into the upper management or control systems of your choice.

Applications

- PBX
- Central Office Switcher
- Router

PRI ISDN TMS Architecture

As in the entire TMS family of OAM software, PRI TMS is architected to be hardware and operating system independent. Well-defined APIs are employed for faster first time integration and ease of reuse.



OAM TMS Software Architecture

The ISDN Software API is comprised of a set of ANSI C functions and macros that encapsulate all functionality and data of the SONET/SDH Software. The API provides a clean interface to the ISDN Software simplifying the integration of

the ISDN Software to the target application. The target application is implemented on top of the ISDN Software API layer, using the API to access all functionality provided by the ISDN TMS Software.

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