



Greetings to a New Millenium!

We hope that you had a safe holiday and enjoyed celebrating the New Year!

This newsletter is written for our customers and partners. We hope that you will find useful information regarding new protocol products and enjoy our articles on issues that affect the communications developer.

We welcome any comments and suggestions that you may have. Please see the end of this newsletter for subscription information.

News Items

- **QSIG Software**
- **Mixing PPP with other protocols**
- **COMET Driver**
- **MEGACO/MGCP Software**
- **DSL Standards Book**
- **Software Merger**
- **Press Release**

QSIG Announcement

QSIG is a signaling protocol for PBX-to-PBX communications.

Our QSIG stack has been shipping since Q3 99 and is based on the same architecture and management structure as our well-proven ISDN stacks. Our QSIG code is written in 'C' for ease of porting and is designed for smooth integration into virtually any embedded application.

Available QSIG Modules include:

- QSIG Basic Call (BC)
- QSIG Generic Functional Procedures (GF)
- QSIG Supplementary Services (SS)

QSIG is available as a software-only package, and is available pre-ported to the MIDAS-PRI and MIDAS RAC860 hardware reference platforms.

Contact us now for further information.

Mixing PPP & FR with other protocols

ML-PPP + xDSL/ PPPoE/ FR+xDSL

ML-PPP is in great demand as vendors use it with Frame Relay and xDSL. TeleSoft's Multi Link PPP (ML-PPP), like other TeleSoft modules, is designed to be modifiable to support each clients' specific applications.

Our ML-PPP can be shifted to an ADSL physical interface without modification of the PPP stack – due to a common ITU-T-based interface between the Low Level Driver (LLD) and our protocol stack. A PPPoE (PPP over Ethernet) header can be inserted/removed by changing the interface routines between the lower edge of our PPP stack and the LLD.

You could also modify our PPP to run over Frame Relay, which THEN runs over ADSL (or SDSL). New service types can be added by making use of the existing types as templates.

Our emphasis on modifiability enables you to use existing building blocks to support new applications.

COMET Driver

TeleSoft is providing a driver for the popular PMC-Sierra COMET Line Interface chip.

This single chip can be configured for T1 or E1, Short Haul or Long Haul and it includes an integrated HDLC controller to handle the D Channel.

The TeleSoft Low Level Device Driver for COMET supports the E1, T1, SH, LH modes, and FDL (Facility Data Link).

The Layer 1 to Layer 2 interface complies with ITU-T specs and is a natural complement to the TeleSoft PRI, Robbed Bit Signaling, and Channel Associated Signaling.

Contact us now for information.

MEGACO/MGCP Software

MEGACO is the latest standard for media gateway control. It incorporates the functionality of the current MGCP (Media Gateway Control Protocol) and adds new features necessary for next generation equipment.

TeleSoft provides MEGACO software with the following features:

- Based on IETF MEGACO Working Group
- Both MG and MGC support
- Multiple application registration support
- Both TCP and UDP Transport Layer interface support
- H.245 and SDP Encoding support
- Multiple redundancy options
- Security support

Contact us by email or phone for details.

DSL Standards Book

Charles Summers, VP Engineering at TeleSoft, has written another technology leader:

[ADSL - Standards, Implementation and Architecture](#), published by CRC Press.

Charles's previous books are:

[ISDN Implementors Guide](#), McGraw-Hill and

[ISDN: How to Get a High-Speed Connection to the Internet](#) (with Bryant Dunetz), John Wiley & Sons

These books are valuable resources for developers. Please feel free to call or email us for details on these books.

Software Merger

Wind River Systems, Inc. and Integrated Systems, Inc., both leading providers in embedded development software, have merged.

This merger is neutral for TeleSoft since we have good relationships with both RTOS companies. For more information, please see the following links:

<<http://www.isi.com/news/press/99/pr99-10-21.htm>>
<<http://www.isi.com/news/wrsfaq.htm>>
<<http://www.wrs.com/press/html/mergerqa.html>>

Press Release

Hughes Software Systems appointed TeleSoft International as a channel partner for North America.

An excerpted version of the press release follows, full details are available on our web site.

AUSTIN Texas -- August 27, 1999 - Hughes Software Systems (HSS), a premier global provider of communications software solutions announced today the appointment of TeleSoft International as a channel partner for sales and distribution of its standards compliant ProtoQuick™ Signalling System #7 (SS#7), ProtoQuick V5 and ProtoQuick VB5 Software Stacks.

TeleSoft has expanded the relationship with Hughes to encompass additional communication protocols. Our customers benefit by having a single point of contact for a broad range of protocols stacks.

Other Information

A **brief listing of all of our products** is listed on our web site.

http://www.telesoft-intl.com/enewsletter/software_solutions.pdf

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