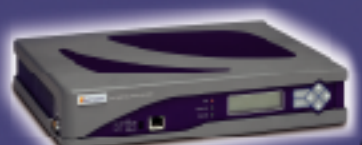




**Layer 3 and Above**  
**Examine Decode Engine**  
 Capable of identifying over 1,000 WAN, LAN and ATM protocols the Examine Decode Engine provides powerful filter and custom protocol stack capabilities. Provided with DA-3200, DA-3400, DA-3600A, DominoNAS and LinkView, Examine is capable of decoding the latest protocols and well as legacy traffic.



**Layer 3 and Above**  
**LinkView**  
 LinkView is a software analyzer that may be loaded on a standard Windows PC. Using Ethernet or Token Ring NICs, LinkView provides powerful real-time analysis, capture, decode and transmit capabilities. LinkView may be operated as a standalone product or controlled remotely using the Console software supplied with DominoNAS.



**Layer 2 and 3**  
**DA-3600A**  
 The DA-3600A supports all of the features of the DA-3400 with some powerful additions. Packet over SONET/SDH is supported at rates up to OC-48/STM-16 and the advanced mode can monitor up to 160,000 flows based on user definitions. Command line and scripting support automate operation and a 40 Gigabit hard drive can be used to save captured files and reports.



**Layer 3 and Above**  
**Mentor**  
 The Mentor Interactive Expert Analysis System is an efficient, easy-to-use offline diagnostic tool that identifies and helps to solve network problems in TCP/IP, Novell NetWare, Sun NFS, SMB, LLC (Type-2), Router/Bridge, Ethernet and WAN (HDLC, SDLC and Frame Relay) environments. Mentor tailors the analysis to report on network occurrences most likely to be symptomatic of the problem and provides expert help for the symptoms it detects, explaining the relevance of the symptom to the problem and recommending possible solutions.



**Layer 3 and Above**  
**Packet Voice Decoder (PVD)**  
 The Packet Voice Decoder (PVD) is designed to take Ethernet VoIP capture files and play the audio through the speakers of your computer. By using the PVD, technicians can identify audio distortion by capturing actual VoIP conversations and listening for distortion and echo. This can help separate quality problems related to packet transport vs. quality problems not related to packet transport.



**Layer 2 and 3**  
**HST-3000**  
 The HST-3000 VoIP is a battery powered, handheld tester for VoIP services turn-up and troubleshooting. Used on the customer's premise, the HST-3000 VoIP emulates an IP phone and validates VoIP service connectivity, feature availability and voice quality from the end user's perspective. For troubleshooting, the HST-3000 VoIP incorporates extensive troubleshooting capabilities to help identify and isolate VoIP problems for both service turn-up and maintenance.

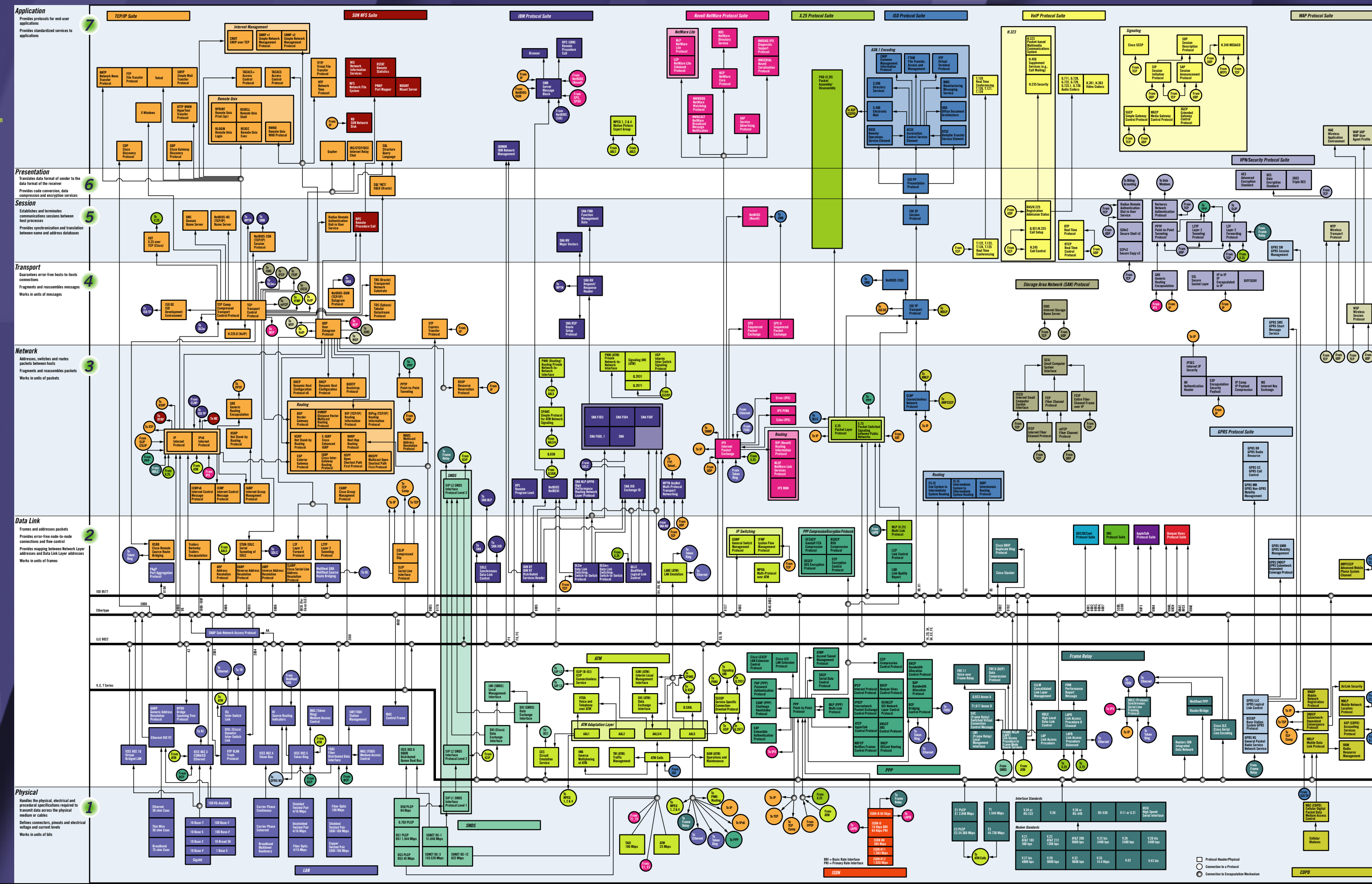


**Layer 2 and 3**  
**DA-3200**  
 For WAN networks the DA-3200 provides real-time analysis and troubleshooting. Each DA-3200 contains multiple standard interfaces including T1, DDS and V-series or E1 and V-series. The DA-3200 is ideal for low speed WAN analysis of Frame Relay, Cisco HDLC, NDL, PRI and VoIP over WAN.

**DA-3400**  
 The DA-3400 mainframe is a high-performance, 7-layer troubleshooting analyzer supporting Ethernet/VoIP, WAN and ATM networks. Advanced problem solving capabilities include advanced filtering, wire-speed capture, real-time data/signaling/VoIP expert analysis engines and advanced reporting.



**Layer 1 and 2**  
**FST-2802**  
 The FST-2802 TestPad is a rugged, battery-operated test instrument that enables field technicians to turn-up and maintain Ethernet and Fibre Channel (SAN) services. The testing capability of the FST-2802 ranges from verifying end-to-end connectivity and throughput, to performing detailed link statistics, BER testing and round-trip delay measurements. The easy-to-use graphical interface facilitates technicians with limited Ethernet or Fibre Channel testing experience to verify performance parameters and ensure that the services conform to service level agreements (SLAs).



# Data Communications Protocol Map



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