



DS2000 SMDR Data Server Operation

The DS2000 Data Server has been optimized for the near-real-time data collection and processing of Station Message Detail Recording (SMDR) data.

SMDR Reporting

The DS2000 SMDR application was developed for operators that need to provide services to end-users to obtain call detail of their outgoing chargeable calls and generate critical SMDR Management reports.

The SMDR application is ideal for PBX and IP switch manufacturers, major telephone companies, small to medium and large enterprise organizations, hotel and motel management companies, and alternate long distance providers.

The DS2000 SMDR module allows end-user Customers to receive daily, weekly, monthly, or on demand call detail reports via dial-in, Web browser, e-mail or LAN/FTP transfer.

designated end point automatically. Some of the call details included are: Time, Date, Call Duration, Dialing Number, Number Dialed, Caller ID information, Extension, Line/Trunk location, Call completion status.

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*****
*          SMDR Report for Customer: Jones & Jones Law Offices
*          Report Generated: Tue Nov 22 14:33:50 2005
*****

Station   Date       Time       Elapsed   Called Number   Orig Type Ans?  DiscPty  |----Expensive Route?
          |----ARS Selected Route?
          | |----Digits Missing?
9125552501 2005-01-18 08:01:42    8 9101043219125551616  SPEC_BILL  Y  CALLING  N N N
9125552501 2005-01-18 08:02:31   113 9101043219125551661  SPEC_BILL  Y  CALLING  N N N
9125552501 2005-01-18 11:06:42    89          9180055583169  SPEC_BILL  Y  CALLING  N N N
9125552501 2005-01-18 13:52:46    62          9180055583169  SPEC_BILL  Y  CALLING  N N N

Station   Date       Time       Elapsed   Called Number   Orig Type Ans?  DiscPty  |----Expensive Route?
          |----ARS Selected Route?
          | |----Digits Missing?
9125552504 2005-01-18 15:48:18    50 9101043219125556295  NORMAL    Y  CALLING  N N N
9125552504 2005-01-18 16:29:56   381 9101043214175553050  NORMAL    Y  CALLING  N N N

Station   Date       Time       Elapsed   Called Number   Orig Type Ans?  DiscPty  |----Expensive Route?
          |----ARS Selected Route?
          | |----Digits Missing?
9125552505 2005-01-18 15:35:55   242          918005554573  NORMAL    Y  CALLING  N N N
9125552505 2005-01-18 15:42:23    92          918005554573  NORMAL    Y  CALLED  N N N

Station   Date       Time       Elapsed   Called Number   Orig Type Ans?  DiscPty  |----Expensive Route?
          |----ARS Selected Route?
          | |----Digits Missing?
9125552512 2005-01-18 10:42:43    55          918005558038  NORMAL    Y  CALLING  N N N
9125552512 2005-01-18 11:18:40    36 9101043219125554962  NORMAL    Y  CALLING  N N N
9125552512 2005-01-18 11:40:09    16 9101043219795552425  NORMAL    N  CALLING  N N N
9125552512 2005-01-18 12:09:26   340          918005551159  NORMAL    Y  CALLING  N N N
9125552512 2005-01-18 15:23:43    80 910104321706553909  NORMAL    Y  CALLING  N N N

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Flexible SMDR Collection and Delivery

The DS2000 SMDR module collects SMDR call data from the switch and saves it to a file on hard disk. The call accounting file is then segregated by Customer ID and formatted to a chosen end-user format. The formatted SMDR records are then available for either e-mail forwarding,

(SMDR records have been traditionally delivered on tape media). The application filters the collected SMDR data, reformats the call information and distributes it to the

retrieval via Web Browser, dial-in connection, or FTP to a staging system for distribution.

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DS2000 SMDR Data Server Features

- Multiple means of forwarding SMDR Data (FTP, E-MAIL, HTTP)
- Multiple means of Collecting Data (LAN, X.25, SCSI, Magnetic Tape Emulation)
- Web-based user interface
- Complete Audit Trail
- Utilizes Open Standard Linux® Operating System
- 3 Levels of user security
- Modular architecture
- NORTEL SMDR to Custom e-mail Reports
- No client licensing fees
- Simple and economic module

DS2000 SMDR Data Server Compatibility

The DS2000 platform is offered with standard interfaces for the following Generating Systems:

- Nortel - DMS-10, DMS-100, DMS-250, DMS-500
- Lucent - 5ESS
- Marconi
- Siemens - EWSD, DCO
- NEC - NEAX-61E, NEAX-61K, Sigma
- Ericsson - AXE-10
- Fujitsu - F150
- Alcatel - System 12, E10

- Italtel - UT100

Telecom Standards Compliance

- GR-1343-CORE AMADNS (Telcordia)
- GR-1100-CORE Billing AMA Format (BAF)
- GR-385-CORE AMATPS (Telcordia)
- Nortel DMS-100 Telcordia Format AMA 297-1001-830

About Telegence Corporation

Telegence provides the telecommunications industry with reliable and proven hardware and software turnkey solutions for CDR/AMA data collection, mediation, processing and revenue assurance.

Please visit our web site to learn more.
<http://www.telegence.com>

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