



Software Product Description

PRODUCT NAME: TeMIP Access Module for ALDISCON Telepath SMS-C SPD 80.26.00

DESCRIPTION

The TeMIP ALDISCON Telepath SMS-C Access Module (AM) provides an interface to the Telepath SMS-C. This Access Module supports fault management capabilities with a basic Information Model (flat model), receiving and processing unsolicited messages (Basic Fault Management).

TeMIP is a family of software products for the management of telecommunications and corporate networks, including fixed wire and mobile/cellular voice and data, multi-vendor, multi-technology networks.

TeMIP V3.2 provides comprehensive off-the-shelf fault and trouble management functions such as Alarm Handling, Event Logging and Trouble Ticketing for telecommunications network management.

TeMIP supports the International Standards Organization (ISO) management standards ISO 10164-x and ISO 10165-x, the OMNIpoint 1 standards as defined by NMF and T1M1. TeMIP and its features are applicable in the context of the International Telecommunication Union-Telecom Standard Sector (ITU-T) X.73x and Telecommunications Management Network (TMN) M.3010 and M.3100 Recommendations. TeMIP gives network operators a global view of their networks, and enables them to activate

management functions and operations from single or multiple workstations.

TeMIP is built on top of the TeMIP Framework and fully benefits from the object oriented and truly distributed software architecture.

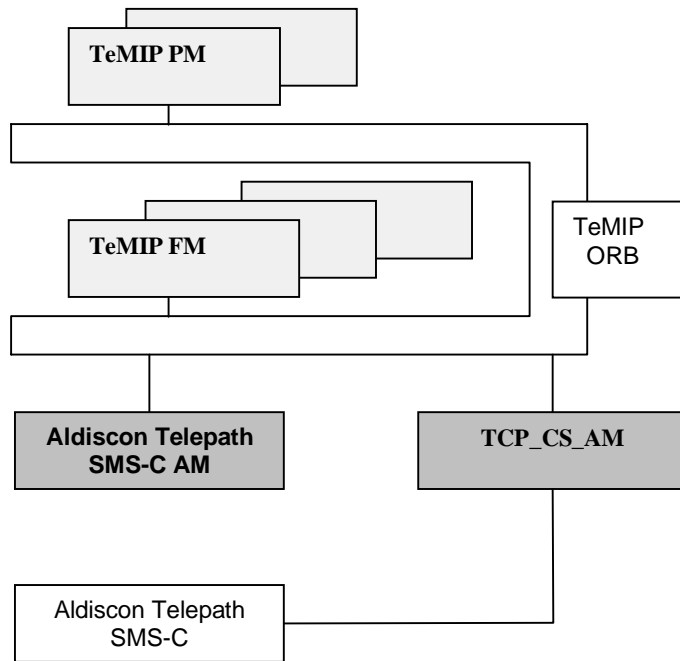
SOLUTION COMPONENTS

The ALDISCON Telepath SMS-C equipment is directly interfaced to TeMIP by means of a combination of Management Modules and Applications:

- The TCP Communications Server Access Module, responsible for establishing and maintaining the physical connection to the Front-End. (As an alternative to the TCP Communications Server, either the X.25 (SVC) or RS232 Communications Servers could also be envisioned),
- The ALDISCON Telepath SMS-C AM, responsible for the Information Model representing the management capabilities of the equipment as well as all associated semantic translations between its ASCII-based messaging interface and TeMIP data models.

The solution components are shown in Figure 1.

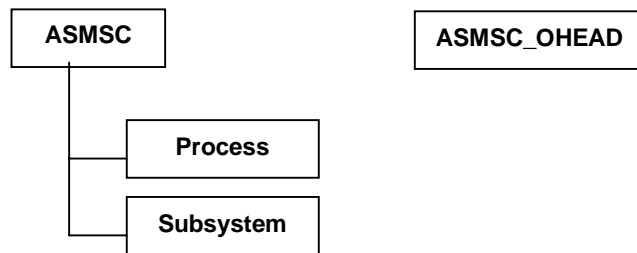
Figure 1: Solution Components



INFORMATION MODEL OUTLINE

The Telepath SMS-C is represented by the information Model shown in Figure 2.

Figure 2: Information Model



The meaning of each class is described in Table 1.

Table 1: Aldiscon Telepath SMS-C Hierarchy Description

Class	Child class	Description	Cardinality
ASMSC		SMS-C node	1
	Process	Application process within the SMS-C NE	N
	Subsystem	Functional subsystem within the SMS-C NE	N
ASMSC_OHEAD		Entities of this global class are responsible for signalling received messages that are not assigned to an entity representing a NE	1

MANAGEMENT CAPABILITIES SUMMARY

Unsolicited Messages Support

The ALDISCON Telepath SMS-C AM shall handle the following unsolicited messages:
 CDR_XFRD_FAIL, CDR_DIREXCEED,
 CDR_OPEN_FAIL, CDR_WRITE_FAIL,
 CDR_CREATE_FAIL, CDR_SLEEP,
 CDR_MAXFILENAM, CDR_UPDATE_TIME_FAIL,
 CDR_ACCESS_FAIL, CDR_NOCDRGEN,
 CDR_ILLEGALCMD, SMK_STATS, SMK_UNBIND,
 SMK_BIND, NM_TCAP_PROB.

Alarm Clearance

The Telepath SMS-C AM performs automatic alarm clearing for a number of alarms as noted in Table 2. This table also provides a one to one mapping between alarm and clear messages.

Table 2: Alarm Clearing Correlation Table

Clear Message	Correlated Message
SMK_BIND	SMK_UNBIND
COMS_OLOADABTMNT	COMS_OVERLOAD
NM_TCAP_PROB Where Additional_info field contains the text "UNCONGESTED"	NM_TCAP_PROB Where Additional_info field contains the text "CONGESTED"

Note that automatic alarm clearing for messages of type SMK_UNBIND and SMK_BIND is only performed when mapped to an instance of the Process entity.

Miscellaneous Management Capabilities

The Telepath SMS-C AM shall implement the features listed below:

- Automatic Detection and reporting of communication failure.

HARDWARE REQUIREMENTS

Supported Alpha AXP Processors:

DIGITAL Personal Workstation au series
 DIGITAL Ultimate Workstation
 AlphaStation 600
 AlphaServer 800, 1000A, 1200
 Compaq AlphaServer DS10, DS20

 AlphaServer 2000, 2100, 4000, 4100
 Compaq AlphaServer ES40

 AlphaServer 8200, 8400
 Compaq AlphaServer GS60, GS140

Disk Space Requirements:

Disk space required for installation:
 Subset copy: 20,000 Kbytes
 Installation: /usr 66,000 Kbytes

Disk Space Required for Use (Permanent):
 No specific requirement

Memory Requirements:

The minimum memory supported, due to a TeMIP Framework prerequisite, is 128 Mbytes.
 However, the use of this software in conjunction with increased memory capability improves performance.

SOFTWARE REQUIREMENTS

Compaq Tru64 UNIX V4.0D or V4.0F
 TeMIP Framework V3.2
 A TeMIP Graphical ASCII Toolkit run time license per Access Module is also required

OPTIONAL SOFTWARE

TeMIP Graphical ASCII Toolkit V2.0

GROWTH CONSIDERATIONS

The minimum hardware/software requirements for any future version of this product may be different from the current version requirements.

YEAR 2000 READY

"Year 2000 Ready" products are defined by Compaq as products capable of accurately processing, providing, and/or receiving date data from, into and between the twentieth and the twenty-first centuries, and the years 1999 and 2000, including leap year calculations, when used in accordance with the associated Compaq product documentation and provided that all hardware, firmware and software used in combination with such Compaq products properly exchange accurate date data with the Compaq products.

For additional information visit Compaq's Year 2000 Product Readiness web site located at <http://www.compaq.com/year2000>

To ensure that this product is Year 2000 Ready, code assessment and system tests to verify the transition between December 31st 1999 and January 1st 2000 were utilized.

To ensure that this product interoperates properly with other hardware and software, the system tests involving Compaq's TeMIP V3.2 are applicable, as this product was verified as being Year 2000 Ready.

The testing used to confirm the Year 2000 readiness of this product included code assessment and system tests to verify transition dates.

DISTRIBUTION MEDIA

This software is available by electronic means, distributed directly by the Compaq TeMIP Engineering Team, who can be contacted through your local Compaq office, which sends an internal e-mail to vbetemipsupp@compaq.com (containing customer identification and proof of license purchase).

ORDERING INFORMATION

TeMIP Access Module for ALDISCON Telepath SMS-C Basic Fault Management

Software License:

- QM-6GGAA-AA

Software Product Services:

- QT-6GG**-T* or QR-SP6GG-A9

Notes:

1. * denotes variable fields. For additional information on available services, or hardware platform tiers, refer to the appropriate price book.

2. The QM number corresponding to the TeMIP Graphical ASCII Toolkit V2.0 (Run-Time) must also be purchased (QM-5SMAA-AA).

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