

Vanguard Managed Solutions

**Vanguard Applications Ware
Multimedia Feature Protocols Manual**

Notice

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To comment on this manual, please send e-mail to LGEN031@vanguardms.com

**About The Vanguard Applications Ware
Multimedia Feature Protocols Manual**

Special Notices and Translations

Customer Information

Customer Response Card

Glossary

About The Vanguard Applications Ware Multimedia Feature Protocols Manual

Overview

Introduction

The *Multimedia Feature Protocols Manual* contains user manuals that describe the options and protocols found in the Vanguard Applications Ware License for Voice protocols.

RemoteVU HVW Operator's Guide

The RemoteVU HVW Operator's Guide explains the use of the Host Video Workstation (HVW) application in conjunction with the RemoteVU Daughtercard. It is provided for information purposes and does not contain any configuration information for setting up a video network. It is recommended that you refer to the *Transaction Protocol Data Unit (TPDU) Manual* (Part Number T0102-12) for relevant configuration information.

Although the *Transaction Protocol Data Unit (TPDU) Manual* (Part Number T0102-12) is not part of the Multimedia documentation suite, you can obtain a copy of this document from the the Vanguide CD-ROM.

■ Note

The RemoteVU Host Video Workstation software application manual (Part Number T0054) is available on the web. It is not available on the Vanguide CD. <http://www.vanguardms.com/support/documentation>

Audience

This binder is intended for use by those users of Vanguard products who are authorized to use the Voice protocol software license.

Software Revision Level

This manual is current for Release 6.4 of the Vanguard Applications Ware.

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What's In This Manual

Introduction

This manual (T0104) contains options and protocol documentation that you should become familiar with in order to be successfully understand the functionality found in the Vanguard Applications Ware Voice software license.

■ Note

Although video is not directly supported by the Voice software license, the RemoteVU Operator's Manual is available on our website. This manual explains the support offered for the RemoteVU Host Video Workstation.

Voice Technology Reference

This manual describes the basics of voice technology.

Vanguard Voice

This manual describes Vanguard Managed Solutions implementation and support for voice on its Vanguard products. This manual contains detailed descriptions of Vanguard voice features, configuration and statistical information.

Vanguard Voice Hardware Reference Card

This reference card provides information on Vanguard products, interface cards, and daughtercards that support voice.

Glossary

The final manual in the Multimedia Feature Protocols Manual is a technical glossary that explains many technical terminologies and acronyms used in this, and all Vanguard documentation.

Related Documentation

Introduction

It may become necessary to refer to other documents in order to obtain all of the technical information that you may require. This section identifies all of the related Vanguard products documentation including:

- “Vanguard Installation Manuals” on page x
 - “Software License Feature Documentation” on page xi
 - “Software Coldloading/Installation and Alarms and Reports Manuals” on page xiv
-

Vanguard Installation Manuals

Introduction

Installation manuals describe the installation and set up of specific Vanguard equipment. Installation Manuals provide information that may assist you in locating ports, cabling, and modifying DTE/DCE settings.

Available Installation Manuals

This table identifies the installation manuals available:

Part Number	Title
T0126	Vanguard 6520/6560 Installation Manual
T0002	Vanguard 6500 ^{PLUS} Installation Manual
T0015	Vanguard 100 Installation Manual
T0016	Vanguard 100PC Installation Manual
T0017	Vanguard 200 Installation Manual
T0021	650 Operator's Guide
T0047	Vanguard 305 Installation Manual
T0019	Vanguard 310 Series Installation Manual
T0032	Vanguard 320 Installation Manual
T0178	Vanguard 340 and 340 Enhanced Installation Manual
T0257	Vanguard 342 Installation Manual
T0031	Vanguard 6400 Series Installation Manual
T0142	Vanguard 6425 Installation Manual
T0166	Vanguard 6435/6455 Installation Manual
T0185	Vanguard 7300 Series Installation Manual

Documentation Website

Documentation is located on our website:

<http://www.vanguardms.com/support/documentation>

Software License Feature Documentation

Introduction

Use of the Vanguard Applications Ware software is controlled via software licenses purchased from Vanguard Managed Solutions. Each license is supported by a suite of protocol documentation to provide you with the information required to fully understand the ways in which you can use your Applications Ware license.

In addition to this Multimedia Feature Protocols Manual, these additional documentation suites are available:

- IP and LAN Feature Protocols
- SNA Feature Protocols
- Serial Feature Protocols
- Multi-Service Feature Protocols
- Basic Protocols

IP and LAN Feature Protocols

The IP and LAN Feature Protocol (Part Number T0100) contains the following options and protocol documentation which describe the IP and LAN functionality of the Vanguard Applications Ware:

- Vanguard Router Basics
- Ethernet Basics
- Token Ring
- Bridging
- IP Routing
- OSPF
- SLIM IP
- SoTCP
- IPX
- AppleTalk
- Protocol Priority
- Quality of Service
- Asynchronous Transfer Mode
- T3 ATM
- Border Gateway Protocol (BGP-4)
- G.SHDSL
- Traffic Monitor

SNA Feature Protocols

The SNA Feature Protocols Manual (Part Number T0101) contains the following options and protocol documentation which describe the underlying SNA functionality of the Vanguard Applications Ware:

- BSC 2780/3780
- BSC 3270
- IBM 2260
- SDLC
- XDLC
- AS/400 Communication Server
- BSC 3270-to-SNA Conversion

Related Documentation

- BSC 2780/3780-to-SNA/LU0 Conversion
- TN3270 Remote Server

Serial Feature Protocols

The Serial Feature Protocols Manual (Part Number T0102) contains the following options and protocol documentation which describe the underlying serial protocol functionality in the Vanguard Applications Ware:

- Burroughs Polled Select
- NCR BSC
- TBOP
- NCCP
- TCOP
- SHDLC
- T3POS
- 3201 ASYNC
- X.42
- TNPP
- TPDU
- SPP
- AC100
- ALC

Multi-Service Features Protocol

The Multi-Service Feature Protocols Manual (Part Number T0103) contains the following options and protocol documentation which describe the underlying multi-service functionality in the Vanguard Applications Ware:

- Internal DSD
- Multipoint X.25
- Frame Data Compressor
- DataScope
- SMDS
- Vanguard ISDN Protocol Guide
- Vanguard 6520/6560 ISDN Protocol Guide
- Data Encryption
- Virtual Private Network

**Vanguard
Applications Ware
Basic Protocols**

The Vanguard Applications Ware Basic Protocol Manual (Part Number T0106) contains the following options and protocol documentation which describe the underlying functionality of the Vanguard Applications Ware:

- Vanguard Basic Configuration
 - X.25 Basics
 - APAD/ATPAD
 - Bandwidth Management
 - Frame Relay
 - Trans Polled Async
 - SNMP
 - ASYNC BYPASS
 - SLIP
 - TELNET
 - PPP
 - CLI
-

Software Coldloading/Installation and Alarms and Reports Manuals

Introduction

These manuals offer direction on installing and coldloading software into Vanguard nodes, and explanations of the alarms and report messages that may be displayed on your terminal screen.

Software Coldloading and Installation Manual

This manual describes the different methods of installing software in Vanguard products. It describes software installation by:

- the Vanguide Software Loader
 - downloading software from a Macintosh or PC using Communication Software such as Procomm Plus
 - Ping software from a LAN
-

Alarms and Reports Manual

This manual lists the Vanguard products operating software alarms and reports. Descriptions, corrective actions, trap numbers, and clearing events are also included.

The alarms and traps database is also available on the web:

- 1) Access the web site: **<http://www.vanguardms.com/support/>**
Select Alarm Search.
-

Special Notices and Translations

Special Notices

The following notices emphasize certain information in the guide. Each serves a special purpose and is displayed in the format shown:

■Note

Note is used to emphasize any significant information.



Caution

Caution provides you with information that, if not followed, can result in damage to software, hardware, or data.



Warning

Warning is the most serious notice, indicating that you can be physically hurt.

Simplified Chinese

特别通告

以下通告强调指南中的某些信息。
每条信息均有一个特殊的目的并以如下格式显示:

■注解

注解用于强调任何重要的信息。



切记

切记提供您这类信息，如果不遵照信息的要求，可能导致软件、硬件或数据的损坏。



警告

警告是最严重的通告，表明您的身体可能被伤害。

Danish

S³rlige overskrifter

F³lgende overskrifter fremh³ver nogle af oplysningerne i vejledningen. De tjener hvert et specifikt form³l og vises i f³lgende format:

■Bem³rk

Bem³rk anvendes til at fremh³ve vigtig information.



Forsigtig

Forsigtig understreger oplysninger, som, hvis de ikke bliver fulgt, kan f³re til beskadigelse af software, hardware eller data.



Advarsel

Advarsel er den mest alvorlige overskrift, og tilkendegiver mulig personskaade.

Dutch

Bijzondere vermeldingen

De volgende vermeldingen besteden extra aandacht aan bepaalde informatie in de handleiding. Elke vermelding heeft een eigen nut en wordt in de volgende opmaak weergegeven:

■Opmerking

Een opmerking wordt gebruikt om belangrijke informatie te benadrukken.



Let op

Dit kopje geeft aan dat u de beschreven instructies moet volgen om schade aan de software, hardware of gegevens te vermijden.



Waarschuwing

Een waarschuwing is de belangrijkste vermelding. Indien u deze niet volgt, kan dit tot lichamelijke verwondingen leiden.

Finnish

Eritysilmoitukset

Seuraavat ilmoitukset korostavat tiettyjä oppaan tietoja. Kullakin on oma erikoistarkoituksensa ja ne esitetään seuraavassa muodossa:

■Huomaa

Huomautusta käytetään korostamaan tärkeää tietoa.



Vaara

Vaarailmoitus antaa tietoa, jonka huomiotta jättäminen voi johtaa ohjelmiston, laitteiston tai tietojen vahingoittumiseen.



Varoitus

Varoitus on kaikkein vakavin ilmoitus ja se kertoo mahdollisesta loukkaantumisriskistä.

French

Messages spéciaux

Les messages suivants mettent en valeur certaines informations dans le guide. Chacun d'eux remplit une fonction spéciale et est affiché dans le format indiqué :

■Important

Important est utilisé pour souligner des informations critiques au sujet d'une procédure.



Mise en Garde

Une mise en garde vous fournit des informations qui, si elles ne sont pas observées, peuvent se traduire par des dommages pour le logiciel, le matériel ou les données.



Avertissement

Un avertissement constitue le message le plus sřrieux, indiquant que vous pouvez subir des blessures corporelles.

German

Besondere Hinweise

Durch die folgenden Hinweise werden bestimmte Informationen in diesem Handbuch hervorgehoben. Jeder Hinweis dient einem bestimmten Zweck und wird im dargestellten Format angezeigt:

■Wichtig

WICHTIG wird zur Betonung signifikanter Angaben zu Vorgehensweisen verwendet.



Vorsicht

Ein Vorsichtshinweis macht Sie darauf aufmerksam, dař Nichtbefolgung zu Software-, Hardware- oder Datenschřden fřhren kann.



Warnung

Eine Warnung weist Sie darauf hin, dař ernsthafte Křrperverletzungsgefahr besteht.

Italian

Simboli speciali

I seguenti simboli, ciascuno con una speciale funzione, evidenziano determinate informazioni all'intero del manuale. Il formato quello riportato qui di seguito.

■Nota

Questo tipo di avvertimento viene utilizzato per evidenziare tutte le informazioni significative relative ad una procedura.



Attenzione

Questo tipo di avvertimento fornisce informazioni che, se non vengono seguite, possono provocare danni al software, all'hardware o ai dati.



Avvertenza

Questo tipo di avvertimento indica la presenza di condizioni di rischio che possono causare lesioni fisiche. Si tratta del simbolo pi importante al quale prestare attenzione.

Japanese

特別表記

ガイド内では、以下の表記を使って特に注意する必要がある情報が提供されます。各表記にはそれぞれ目的があり、次の形式で表示されます。

■重要

重要な情報が記述されています。



注意

記述されている内容に従わない場合、ソフトウェア、ハードウェア、またはデータが壊れる可能性があります。

警告

最も重要な情報が記述されています。身体的な障害を被る可能性があります。

Korean

일러두기

이 설명서에는 사용자에게 특정한 내용을 강조하기 위해서 다음 내용이 포함되어 있습니다.

■참고

중요한 정보를 강조하는데 사용합니다.



주의

소프트웨어나 하드웨어, 또는 데이터를 손상시킬 수 있으므로 주의가 필요한 상황을 알립니다.



경고

사용자의 안전에 위험을 알리는 가장 심각한 수준의 경고입니다.

Norwegian

Spesielle merknader

Merknadstypene nedenfor representerer en bestemt type informasjon i h ndboken. Hver merknadstype har en spesiell hensikt og vises p  f lgende format:

■Merk

Merk brukes for   fremheve viktig informasjon.



Forsiktig

Forsiktig gir deg informasjon om situasjoner som kan f re til skade p  programvare, datamaskin eller data dersom den blir fulgt.



Advarsel

Advarsel er den mest alvorlige merknaden og indikerer at du kan bli fysisk skadet.

Portuguese/ Portugal

Avisos Especiais

Os avisos que se seguem realçam certas informações neste guia. Cada um deles serve um objetivo especial e é visualizado no formato apresentado:

■Nota

Nota é utilizado para realçar qualquer informação importante.



Atenção

Atenção facultas informações que, se não forem cumpridas, poderão provocar danos no software, hardware ou nos dados.



Cuidado

Cuidado constitui o aviso mais grave, o qual indica que poderá ficar fisicamente ferido.

Spanish/Spain

Notificaciones especiales

Las siguientes notificaciones ponen énfasis sobre determinada información de la guía. Todas tienen un propósito especial y se muestran con el formato siguiente:

■Nota

Las notas se utilizan para destacar determinada información de importancia.



Advertencia

Las advertencias le proporcionan información que debe seguirse, si no desea que el software, el hardware o los datos puedan verse dañados.



Aviso

Los avisos son las notificaciones de carácter más importante e indican la posibilidad de daños físicos para el usuario.

Swedish

Speciella beteckningar

Följande beteckningar betonar viss information i handboken. Var och en har ett speciellt syfte och visas i formatet nedan:

■OBS!

OBS! används för att betona viktig information.



Viktigt

Viktigt ger dig information som, om den inte följs, kan resultera i skada i programvara, maskinvara eller data.



Varning

Varning Šr den mest allvarliga beteckningen och den indikerar att du kan skadas fysiskt.

Customer Information

Customer Questions

Customers who have questions about Vanguard Managed Solutions products or services should contact your VanguardMS representative or visit this website for product, sales, support, documentation, or training information:

<http://www.vanguardms.com>

Comments About This Manual

To help us improve our product documentation, please complete the comment card included with this manual and return it by fax to (508) 339-9592. If you prefer, provide your name, company, and telephone number, and someone in the documentation group will contact you to discuss your comments.

Customer Response Card

Vanguard Managed Solutions would like your help in improving its product documentation. Please complete and return this card by fax to (508) 339-9592; Attention: Product Documentaton, to provide your feedback.

To discuss comments with a member of the documentation group, provide telephone information at the bottom of this page. **Thank you** for your help.

Name _____

Company Name _____

Address _____

Document Title: Vanguard Applications Ware Multimedia Feature Protocols Manual

Part Number: T0104, Rev K

Please rate this document for usability:

Excellent Good Average Below Average Poor

What did you like about the document? _____

What information, if any, is missing from the document? _____

Please identify any sections/concepts that are unclear or explained inadequately.

Additional comments/suggestions. _____

Telephone _____ Ext. _____ Best time to call _____



