



OrderPro Version 7.2.x

User Guide

- **NOTE: Changes and Release notes for OrderPro 6.6.1, 6.6.2 and 7.0.1, and 7.2.x are included in Appendix F of this document**

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Table of Contents

Change History ..... **xi**

Preface ..... **xii**

Purpose of this Document xii
Intended Audience xii
Structure of this Guide xii
Glossary xiv
Related Information xiv
Contact Information – Technical Support xiv

1 Overview **1–1**

What is OrderPro? 1–1
When do I need to Use OrderPro? 1–2
OrderPro Features 1–2
Benefits of Using OrderPro 1–3
Limitations of OrderPro 1–4

2 Getting Started **2–1**

System Requirements 2–1
Downloading OrderPro 2–1
Downloading via the Nortel Customer web site 2–1
Downloading via EC 2–2
Requesting a Secure Access Model (SAM) ID 2–2
Installing OrderPro 2–3
Installing Patches 2–3
Setting System Defaults 2–4
Getting Help 2–5

3 Understanding the OrderPro Interface **3–1**

OrderPro Components 3–1
LOG File 3–1
OPI File 3–2
The Upgrade Screen 3–2
Reports 3–2
The OrderPro Main Screen 3–2

Main Screen Menu Options 3–3
File Menu 3–3
Upgrade Menu 3–3
Help Menu 3–3
Main Screen Fields and Buttons 3–3

4 Extracting the LOG File 4–1

Setting-Up the Communication Link 4–1
File Menu 4–5
Fields and Buttons 4–5
Opening Dialog with the PBX 4–7
File Menu 4–8
Options Menu 4–8
Call Menu 4–9
Help Menu 4–9
System Errors 4–9
Extracting Data to the LOG File 4–10
Using Address Books 4–10
Connection Details – Custom Fields 4–11
Backing up your Address Book 4–12
Changing Modem Settings 4–12
Customizing Modem Scripts 4–13
Fields and Buttons: 4–14
Exporting Modem Scripts 4–16

5 Loading the LOG File and Generating OPI Files 5–1

Overview of Loading 5–1
"Select LOG file" screen : <Enter> key expand branch in Directory 5–2
Pre-Validating the LOG File 5–3
Calculating the Software Licenses and Repackaging the Software 5–3
Loading Process Dialog Boxes 5–3
Available Upgrades (EMEA region) 5–3
System Type 5–4
CallPilot 5–4
Meridian Mail 5–4
IPE applications 5–4
Wall Mounted cabinet 5–5
Hardware Inconsistency - MIRAN Application (NTEZ56AA) on Media Gateway Cards 5–5
Hardware Inconsistency - NTVQ91BA as Media Gateway Card 5–6
ITG ISDN Trunks 5–6
Feature 364 – CallPilot Agents 5–6
Analog Sets with CLASS Services (Americas, AP regions only) 5–7
Package mnemonics 5–8
XCT Shortage warning 5–8
Invalid Wireless Sets Configuration warning 5–9
Obsoletes Features 5–9
Incoherent Data 5–9
Expansion or Upgrade Confirmation for Systems on CVSD 5–10
Load Process 5–10

Repackaging the Software Features 5–11
The Upgrade Screen 5–13
Optional Features Removal (Americas region) 5–16
Allocation of Wired For as CLASS Users (Americas region) 5–17
Allocation of Unused Capacity for ACD Agent and AST License (Americas region) 5–18
Downgrading the Service Level Identified by OrderPro 5–19
M1 Large System Coordinate Setting – Site Survey Support for EC 5–19
Advanced Site Survey – View and Adjust Card Slot Details 5–22
Advanced Site Survey – Save & Load Site Survey Configuration 5–25
Generating and Using OPI Files 5–25
Generating OPI Files in the Americas 5–25
OPI File Name Format (Americas region only) 5–26
License Maximum Limit Check (Americas region only) 5–26
Sending OPI Files to Nortel (Americas region only) 5–27
Note: The requirement for sending OPI files to Nortel and the functionality with OrderPro 7.0.x has changed pertaining to this entire section. Refer to 'Using OPI Files' following this section and reference Appendix I, OrderPro 7.0.1 Release Notes for additional clarification and update. 5–27
OrderPro automatically attempts to send the OPI file to Nortel (OrderPro 6.6.x only) 5–27
Save OPI File only 5–28
Send OPI files to Nortel using EC 5–28
Send OPI files to Nortel using Email 5–28
Using OPI Files 5–29
Using OPI Files in the Americas 5–29
Using OPI Files in EMEA, Asia Pacific and Greater China (FBP regions) 5–29
Using OPI Files for Site Survey Support - Global 5–29

A Reporting A–1

Generating Reports A–1
Overview of Reports A–2
OrderPro Summary Report Overview A–2
OrderPro Detailed Report Samples A–9
Limitations of the Large System CoreNet Equipment Detail A–17
Network Slots A–17
Core Slots A–21
IPE Slots A–21

B License Extraction and Calculations B–1

Extractions from Meridian 1 Systems B–1
Calculation of License Values B–3
Region Specific Rules B–5
Rules to apply for US systems B–5
Rules to apply for Canadian systems B–8
Rules to apply for CALA systems B–11
Rules to apply for EMEA systems B–13
Rules to apply for Asia Pacific and Greater China systems B–14
Addition requirements in License calculations B–16
Values from SLT print B–17

C Suppressing Error Messages C–18

Identifying the TTY port used and the configuration. C–18
To disable error message Reporting: C–19
To re-enable error message Reporting: C–20

D Cleaning LOG Files D-1

E OrderPro Error and Message Listings E-1

Overlay Access Conflicts E-3

F Upgrade Paths F-25

G Known Meridian 1 / CS 1000 Related Issues G-1

Extracting: G-1
Loading: G-2
Reporting: G-3

H Known OrderPro Issues (applicable to all releases) H-4

Telrad X91 issue H-4
Error: *"Can't find script engine VBScript" when launching OrderPro.* H-4

I OrderPro Release Notes I-1

OrderPro 6.6.0 ..... I-2

OrderPro 6.6.0 Problem Resolutions I-2

[ALL] Extraction may hang at LD 117 / STAT SS command I-2
[ALL] ITG Trunk Rls 3.00 and later can be taken from LD 22 SLT I-2
[UK – BT only] SIP Access Port, SIP Converged Desktop rule missing I-2

OrderPro 6.6.1 ..... I-3

OrderPro 6.6.1 Problem Resolutions I-3

[ALL] Broadcast Circuits count per Media Gateway (CS1000E) I-3
[ALL] Problem reading unresponsive MISP cards I-5
[ALL] Problem reading MISP cards with Loop # = Superloop # (Generic 21) I-5
[ALL] MSDL ports with type = STA, STA ADM, STA TTY & STA SYS I-5
[ALL] Error reading DTR (Small) I-6
[ALL] Error reading DTR (Release<=18) I-6
[ALL] Extraction Stops at LD 96 ..... I-6
[ALL] Extraction Stops at LD 96 / MAP DCH I-6
[ALL] Site-Survey Functionality in OrderPro I-7

[ALL] Dongle ID Message will be displayed only when appropriate I-7
[ALL] CS1000S vs. CS1000M with IP cabinet identification I-7

OrderPro 6.6.1 Enhancements I-8

[ALL] Report unused/used TDM units for CS1000E I-8
[ALL] Preset Module coordinates to default positions (Large M1 site survey) I-8
[ALL] Create a representation of system BayFace layout in reports and advanced site survey screen (Large M1 site survey) I-9
[ALL] Add IGS module to SiteSurvey I-10
[ALL] Reading & Reporting MWA units from the system (CP Mailbox count) I-11
[ALL] Handle "MVLC" as prefix for a Card's PEC code I-11
[ALL] Use IOD/UC card to set Media Type for Rla 23 (Large M1) I-12
[ALL] Progress bar/indicator while creating the OPI file I-12
[Americas] Display SecurityID/DongleID for Option11C I-13

OrderPro 6.6.2 ..... I-14

OrderPro 6.6.2 Problem Resolutions I-14

[ALL] Prevent unexpected Extraction stop while reading LD 96 ..... I-14
[ALL] Prevent “Error#241,#247: Unrecognized IPE configuration found” on CS1000S systems I-14
[ALL] Correct MISP code representation in Site Survey I-14

OrderPro 6.6.2 Enhancements I-15

[ALL] Replace the mnemonic ‘XCT’ with part number ‘NT8D17’ in the Card Layout section of the Detailed I-15

OrderPro 7.0.1 ..... I-16

Introduction to OrderPro 7.0.1 ..... I-16

Installation Notes for OrderPro 7.0.1 ..... I-19

OrderPro 7.0.1 Problem Resolutions I-20

[ALL] - Extracting more than 1 MISP card ID I-20
[ALL] - Reading MUS CON ports on CS1000E I-20
[ALL] Call Pilot question I-20
[ALL] FIB/CARR remotes (Large systems) I-21

OrderPro 7.0.1 Enhancements I-22

[ALL] 2- Software Service Levels for CS 1000 5.0 ..... I-22
[Americas] Software Licenses Calculation I-22
[EMEA & AP/GC] Upgrade Paths Modified I-22
[Americas] Remove “Save & Send” Button I-24

[ALL] Read TMDI Code (large systems) I-24
[ALL] - Card Description Aligned with EC Reports I-25
[ALL] Support of Rlogin Connection I-25
[ALL] Remember Last Folder Visited I-25
[ALL] Identification of New CS1000E H\W I-26
New Signaling Servers – CS 1000E & CS 1000 M I-26
New CPPM Call Server - NTDW61-CS I-28
Standard/High Availability I-28
Geographic Redundant Call Servers I-28
CPPM Signaling Server for CS 1000M SG/MG – NTDW66AA I-29
Invalid slot location for CPPM-CS and CPPM-SS I-29
New MGC - NTDW60 ..... I-30
New DSP Daughter Boards I-30
SSC cards in CS 1000 E Rls 5.0 Media Gateways I-31
MC32S - NTDW65: I-31
Digital Trunking I-31
[ALL] New Temporary IP Users I-31
[ALL] Total Virtual M390x & i200x Sets count on CS1000E I-31
[ALL] Standard vs Dedicated Media Gateways I-32
[ALL] DECT & [EMEA and AP/GC] DECT Visitors users per Media Gateway on CS1000E I-32

OrderPro 7.2.0 ..... I-34

Introduction to OrderPro 7.2.0 ..... I-34

Installation Notes for OrderPro 7.2.0 ..... I-35

OrderPro 7.2.0 Problem Resolutions I-36

[ALL REGIONS] - Unexpected response from Signaling Server I-36

OrderPro 7.2.0 Enhancements I-37

[ALL REGIONS] – Support for CS 1000 5.5 ..... I-37
OrderPro Summary Report change: I-37
[ALL REGIONS] – Create BOM file for use in ESQ I-38
[ALL REGIONS] –OPI file for Site Survey Site Locations change I-39

OrderPro 7.2.1 ..... I-40

OrderPro 7.2.1 Problem Resolutions I-40

[ALL REGIONS] – OrderPro 7.2 installation deletes existing address book I-40

OrderPro 7.2.2 ..... **I-41**

OrderPro 7.2.2 Problem Resolutions **I-41**

[ALL REGIONS] - Error 292 Reading License defaults from the database I-41
[ALL REGIONS] – Error 504 “Invalid LDR Information in STAT SS Print" I-41

OrderPro 7.2.3 ..... **I-42**

[ALL REGIONS] – Log file must be OrderPro 7.2.x I-42

OrderPro 7.2.3 Enhancements **I-42**

OrderPro 7.2.3 Problem Resolutions **I-42**

[ALL REGIONS] – Extractions hang on the LD 81/WRLS section. I-42
[ALL REGIONS] – OrderPro generated ESQ BOM with “N/A” as quantity. I-42
[ALL REGIONS] – Extractions hang on exit of sections with less than 4 “*” exits. I-42
[ALL REGIONS] – Determination if a switch is a cabinet or a chassis I-42
[ALL REGIONS] – Extraction hangs due to extra characters in multi-line PRI2/DTI2 ..... I-43

Figures

Figure 2-1: System Defaults Screen 2–5
Figure 3-1: Main Screen 3–2
Figure 4-1: Connection Details Screen 4–2
Figure 4-2: Secure Modem Connection with Customized Script 4–4
Figure 4-3: Communication Settings Screen 4–6
Figure 4-4: PBX Terminal Screen 4–7
Figure 4-5: Address Book Screen 4–11
Figure 4-6: Modem Commands Screen 4–12
Figure 4-7: Modem Scripts Screen 4–14
Figure 4-8: Special Commands 4–15
Figure 5-1: Load File Screen (Existing tab) 5–2
Figure 5-2: Upgrade Screen – TN Allocations 5–13
Figure 5-3: Upgrade Screen – Non TN Allocations 5–15
Figure 5-4: Upgrade Screen – Unused Capacity Allocation 5–18
Figure 5-5: Upgrade Screen – Lost Features 5–19
Figure 5-6: Bayface Layout - IPE Module 5–21
Figure 5-7: Bayface Layout - CORENET Module 5–22
Figure 5-8: Upgrade Screen – OPI File Transfer in Progress 5–27

Change History

Date	Summary of Changes
June 2, 2007	- Error code listing updated in Appendix E – Section 4 - ISM calculation tables in App B updated to reflect increments of 1 for Americas. - Appendix F – Upgrade Paths moved from Appendix E and updated for OP 7.0.1 - Appendix G – Known Meridian 1 / CS 1000 Related Issues from the release notes - Appendix H – Known OrderPro issues – moved from rls notes and updated for OP 7.0.1 - Appendix I added o OrderPro 6.6.0 o OrderPro 6.6.1 o OrderPro 6.6.2 o OrderPro 7.0.1
Feb 23, 2009	OrderPro 7.2.3 changes added to Appendix I

Preface

Purpose of this Document

This document provides the installation and operation steps necessary to run the OrderPro application for:

- first time software upgrades from rls 15 through 25.xx to the new CVSD software structure introduced on Succession Release 3.0 and all later in all regions.
- creating OPI files with site survey information that can be used to auto-populate the Site survey in Enterprise Configurator (EC).
- expansions made to Meridian 1 systems at X11 release 25 in the regions where this is supported.

Intended Audience

This guide is intended for those responsible for the installation and operation of OrderPro.

Structure of this Guide

This guide is divided into the following chapters:

- Overview
- Getting Started
- Understanding the OrderPro Interface
- Extracting the LOG File
- Loading the LOG File and sending it to Nortel if required
- Reporting
- License Extraction and Calculations
- Suppressing Error Messages
- Cleaning LOG Files

- Order Error and Message Listings

Glossary

EC - Enterprise Configurator: is an application used for configuration and quotation purposes.

CVSD: Customer Value Software Delivery – the Software structure introduced for all machine types globally starting with Succession release 3.0.

Americas: Canada, United States and the Caribbean and Latin America (CALA)

FBP: **Functionality Based Pricing** – the pricing model that is used in Europe and Asia Pacific. Starting with Succession 3.0, FBP moved from its 8 bundle model to the 5 service level CVSD structure.

Related Information

This guide accompanies OrderPro online help.

Contact Information – Technical Support

North America

1-800-4NORTEL (800-466-7835), Express Routing Code 7103
ask@nortel.com

CALA

CALA: 919-905-4210, Express Routing Code 7103
ask@nortel.com

EMEA

Tel: 00 800 8008 9009 or +44 (0) 20 8920 4618, Option 5
escpm@nortel.com

Asia/Pacific

Contact your FBP prime

1
Overview

This chapter describes the OrderPro application. It contains the following sections:

- What is OrderPro?
- When do I need to use OrderPro?
- OrderPro features
- Benefits of using OrderPro
- Upgrade/expansion software order process
- Limitations of OrderPro

What is OrderPro?

OrderPro is a PC based application that repackages the software on an installed system to the current release of software. OrderPro converts the installed software features to the equivalent Service level in the CVSD Software Structure and calculates the equivalent software license values based on the hardware and software data extracted from the system.

OrderPro is used to dial into an installed system to capture configuration information from the system. The information gathered is then used to calculate the equivalent software service level in the CVSD software structure and the settings for the software licenses.

An encrypted file with the extension .opi is created in OrderPro and includes the Summary Report information. It is a component of the software upgrade ordering process globally.

For all regions: The OPI file information is uploaded to EC to enable the quoting and ordering of software upgrades.

For the Americas (Canada, United States, and CALA): The OPI file is also sent to Nortel, via FTP, the Web or email with each upgrade order. The upgrade keycode is generated based on the values in the OrderPro OPI file.

OrderPro may also be used to create an OPI file for use within EC for:

- expansions on CVSD systems
- auto-populating the site survey in EC. Refer to 'Limitations of OrderPro' in this chapter for exceptions.

OrderPro generates two reports that contain the new software structure result information, as well as a summary of the configuration information captured from the system. The reports can be viewed, printed and saved as a text file.

When do I need to Use OrderPro?

OrderPro must be used for all systems running pre-FBP software (EMEA, AP and GC regions), or Meridian 1 Release 15 through 25.47 software (Americas/CALA regions), upgrading to the CVSD software structure (ie Succession 3.0 or later) for the first time.

OrderPro may also be used to:

- Capture the installed software details for expansions of systems already running any release of FBP or CVSD software. This information can be viewed in the OrderPro Summary and Detailed reports.
- Auto-populate the EC site survey hardware layout for large and small systems by importing the OrderPro OPI file into EC. The OrderPro OPI file can be used to auto-populate the Site Survey for Release 15 and later systems (including systems on FBP and CVSD). Refer to 'Limitations of OrderPro' in this chapter for systems that do not support the Site Survey auto-population.

OrderPro is NOT required for:

- Systems already on FBP or CVSD software that are upgrading to a later release of software or expanding.
- CSE 1000 Release 2.0 systems upgrading to CS 1000 Release 4.5. CSE 1000 systems already use all of the Licenses in the CVSD structure and a bundled software package structure, such that the equivalent Service level and Licenses can be calculated based on the data from order history.
- New Systems

OrderPro Features

OrderPro offers the following features:

- Repackages the installed software to the equivalent Service level in the CVSD Software Structure
- Extracts the required hardware and software detail from the switch to calculate the software license settings when upgrading a system to the CVSD Software Structure for the first time.
- Reads and outputs the enabled and consumed user levels when expanding or upgrading a switch within the FBP Structure (EMEA, AP regions)
- Provides on-screen report previews and printed report outputs, which can be saved as a text file for future reference
- Reports provide data regarding the existing switch for entering on EC globally
- Allows the user to choose a lower software service level than identified as their equivalent
- Allows the user to allocate spare/unused system capacity as either Analogue User licenses, Digital User licenses or CLASS Telephone licenses (when applicable) in the CVSD structure

- Creates an encrypted file (.OPI) that OrderPro automatically sends via FTP to Nortel in the Americas for use in making the equivalent keycode for the system being upgraded
- Reports the 'Upgrade Quantity' required for quoting and ordering upgrades in the Americas
- Identifies the following spare switch capacity:
    - Spare IPE slots
    - Spare network loops
    - Cabinet or networks groups that can be added to the switch
- Reports the switch processor and memory
- Provides the range of standard communications capabilities to use for accessing installed switches including dial-up, telnet, and direct connection
- Provides modem scripting functionality
- Provides an address book feature to hold switch access details
- Provides system layout information for small and large systems:
    - In the Detailed report in OrderPro. Does not apply to SL-1 or Option 21.
    - In the OrderPro OPI file that can be loaded into EC and which will auto-populate the Site Survey in EC. Does not apply to SL-1, Option 21, MG 1000T or MG 1000B systems.

Benefits of Using OrderPro

OrderPro provides the following user benefits:

- Automatically extracts and repackages the software features enabled on the switch to identify the equivalent CVSD service level and optional features required. This ensures that all features currently installed on the system are carried forward the new structure.
- Eliminates X11 Software Order forms in North America for upgrades
- Automatically calculates the equivalent settings and types of software licenses to set in the CVSD software structure, to support the existing switch. This ensures that all capacity being used on the system is carried forward to the new CVSD structure.
- Provides a range of data in two report formats, regarding the installed switch to support quoting and ordering for the installed base
- Supports remote polling of data from installed switches reducing the need for site survey information
- Saves time entering site survey in EC manually, since the OrderPro OPI file can be used to automatically populate the site survey for large and small systems in NNEC.
- Provides new application patching capabilities via the new Microsoft deployment utility used for installing and removing OrderPro

Limitations of OrderPro

The list below describes the limitations of OrderPro:

1. Software releases that are lower than release 15 are not supported.
2. Software releases other than X11, X21, X81 and X91 are not supported.
3. The Option 11C mini is identified by the MSC processor card or the 48 port digital line card. If the SSC CPU exists in an Option 11C mini and the 48 port line card does not exist then it will be seen as an Option 11C.
4. On an **Option 11C** switch, OrderPro cannot distinguish between an Option 11C Expansion Cabinet and Option 11C Mini Expansion Chassis (with or without an Option 11C Mini Chassis Expander). It calculates the number of unequipped IPE slots, based on there being 10 slots on the expansion.
5. OrderPro is not able to recognize Mini Carrier Remote and Multi Fibre Remote sites. The equipment installed on these remotes is represented as being on the main site.
6. OrderPro can detect Option 11 remote cabinets but cannot differentiate between copper and fiber expansion cabinets.
7. PE, EPE, EEPE and RPE are not supported as far as spare slots are concerned, and where the card ID commands are used, such equipment will not be identified. Sets configured on the PE types will be counted for calculating new License values.
8. For certain system generics with Omega processors, OrderPro cannot always distinguish the switch type, and the user may be asked to select the switch type from a limited choice.
9. OrderPro cannot identify the media type for large switches running Release 23 software.
10. For Link/CCR and MAX applications, OrderPro cannot determine if the application is IPE or AEM. The user will be asked to verify the location of the applications.
11. OrderPro may require the user to confirm when CallPilot exists.
12. OrderPro requires **ITG Trunk** cards to be installed in the system for the ITG Trunk License to be calculated correctly. Additionally, OrderPro requires the user to identify the quantity of NTVQ01BA cards, if present, that are used in trunk applications on systems that support IP trunks (i.e. does not apply to CS 1000 E/S or MG 1000 B/T systems).
13. Companion Wireless sets configured without the Meridian specific software package 240 (MCMO) or with prompt in LD 10 set to “WRLS NO” will not be counted as Wireless Licenses. They will be counted as analogue Licenses. It is necessary to allocate Analogue Telephone Licenses for these so that the data conversion part of the software upgrade will function correctly.
14. OrderPro cannot automatically detect the system type for system generics that support multiple platforms, namely 10.11-ST/Opt21, 11.11-NT/Opt61, 12.11-XT/Opt71 and 13.11-RT/Opt51. Users will be prompted to identify the system type when these generics are detected.
15. OrderPro does not support hardware upgrades from **SL-1** systems (NT, RT, ST and XT) to CS 1000 systems. OrderPro may be used on ‘donor’ SL-1 systems to obtain software inventories for the transfer of software to a new CS 1000 target system.

16. OrderPro does not support hardware configurations for **Option 21/A/E** systems. Hence, hardware layout information is not copied to the LOG files. Users must verify the software licenses in the Summary Report for all Option 21 systems.
17. There are limitations with reporting hardware codes for the **CoreNet** equipment displayed in the Detailed Report. Refer to Appendix A – 'Limitations of the Large System CoreNet Equipment Detail' for more information.
18. The OrderPro extraction will not work when the switch is in the PDT (Problem Determination Tool) layer. It will be necessary to log out of the PDT layer prior to invoking the OrderPro extraction.
19. RLOGIN connection is not supported by OrderPro. If you wish connect to a Meridian 1 system using the Telnet connection option in OrderPro, then you must first connect OrderPro to a Server that supports rlogin, and then run the rlogin session manually from the command prompt in the OrderPro ***PBX Terminal*** screen. See section 4 for an example of this.
20. There is no modem auto-detect in OrderPro. Users need to know the configuration of the remote modem.
21. Software patch installations (for application fixes) require the presence of the original application installer file, OrderPro 6.x.x.Msi file, on the PC.
22. When using OPI files from OrderPro to auto populate the Site Survey in Enterprise Configurator (EC), users need to be mindful of the release of OrderPro used to capture the LOG file from a system. The following minimum releases of OrderPro are required in order for the LOG files to contain the Site Survey information for the following system types:
    - Large Systems: OrderPro 6.3.x or later
    - CS 1000E: OrderPro 6.5.x or later
    - MG 1000T: OrderPro 6.5.x or later
    - MG 1000B: OrderPro 6.5.x or later

2
Getting Started

This chapter describes how to Install and get started with OrderPro. It contains the following sections:

- System Requirements
- Installing OrderPro
- Setting System Defaults
- Getting Help

System Requirements

To successfully install and run OrderPro, users require the following:

- A copy of the OrderPro application obtained from the Nortel Customer web site as detailed below
- A Personal Computer (PC), with Pentium 166 processor or higher
- Microsoft Windows 95/98/2000/XP or an NT 4.0 Workstation
- Approximately 10MB of hard disk space to download the OrderPro .Msi file
- Additionally, to perform necessary data extractions and file transmissions, you may require:
    - A modem (Hayes compatible, or similar)
    - COM1 port availability
    - LAN Access
    - FTP or Internet access to send the OPI file to Nortel (for the Americas).

Downloading OrderPro

Before installing, you need to download the OrderPro executable file and associated documentation from Nortel's customer web-site.

Downloading via the Nortel Customer web site

To access the site you will need to enter your 'Secure Access Model' (SAM) user name and password. Electronic Software Download (ESD) must also be included on your SAM User Access Profile.

The OrderPro 6.6 software and documentation (User Guide, Release Notes) may be downloaded by connecting to the Nortel Networks web site using the following URL:

http://www.nortel.com

- Type “OrderPro” into the “Search Site” box
- Select “OrderPro” from the “Have you Tried…” banner display
- Select File Download for “OrderPro 6.6” and download the “OrderProv6.6.Msi” file to your PC
- Select the “Documentation” tab to obtain the User Guide and Release Notes for OrderPro 6.6.

Alternatively, from www.nortel.com, click on the “Support and Training” header and proceed as follows:

- Select the “Products A-Z” tab and then select “O”
- Scroll down to “OrderPro” and then select “Software”
- Select “OrderPro 6.6”
- Select File Download for “OrderPro 6.6” and download the “OrderProv6.6.Msi” file to your PC
- Select “Documentation” instead of “Software” (above) to obtain the User Guide and Release Notes for OrderPro 6.6.

Downloading via EC

A link is provided in the EC menu to download OrderPro. By selecting this link you will be directed to the Nortel customer web site and can download OrderPro as detailed above.

Requesting a Secure Access Model (SAM) ID

To request a SAM ID, go to http://www.nortel.com/register

Installing OrderPro

It is recommended that users uninstall any previous versions of OrderPro prior to installing OrderPro 6.6.x. To un-install OrderPro: go to <Start> <Settings> <Control Panel> <Add/Remove Programs> + Double-Click on the desired OrderPro release from the list of installed programs.

Note: If a previous version of OrderPro 6.5.x has been installed on your PC, it does not need to be removed prior to installing OrderPro 6.6.x. However, users should un-install any previous version of OrderPro 6.6 prior to installing a later version OrderPro 6.6.x.

Install OrderPro as follows:

- Run the downloaded OrderPro.Msi file by double-clicking on its icon
- Follow the instructions given by the Set-Up program
- Keep a copy of the OrderPro Msi file – see 'Installing Patches' below

Note: You must reboot your system after installing OrderPro if you are installing the application for the first time. If you do not reboot your system you will receive a flashing screen when you enter the OrderPro application. If you have previously installed OrderPro and are installing a later version a system reboot is not required.

Users may validate the current installed version of OrderPro by using the *Help* option from the ***Main*** screen – select *About OrderPro.*

Installing Patches

Software up-issues may be handled via software patches to the original OrderPro application installed. Note that it is necessary to retain a copy of the original OrderPro.Msi file on your PC for the installed OrderPro release in order to load patches. The OrderPro .Msi file may be stored anywhere – however, it is suggested that users store it in the corresponding 'Program Files\OrderPro6.x' folder.

Software patches are available from the Technical Support website, when released. OrderPro software patches are installed as follows:

- Run the downloaded "OrderPro 6.x.xPn_yymmdd.exe" file by double-clicking on its icon. The patch will locate the original .Msi file for the corresponding OrderPro release. If the .Msi file cannot be found, users may be prompted to locate the file or to download a new copy.
- Follow the instructions given by the Set-Up program.

Setting System Defaults

When starting OrderPro for the first time, users will need to set system defaults. The ***System Defaults*** screen allows users to customize the OrderPro application. In addition to several mandatory fields, the screen allows users to select specific folders for storing OrderPro output files and reports, and to select printer fonts for printing reports.

OrderPro requires user identification in the form of *User Name*, *Company Na*me and *Email address*. This information may be used by Nortel to identify the originator of an OPI file, if required.

Additionally, the ***System Defaults*** screen requires that users specify their site location. The *Site Location* is a mandatory field. The site location represents the country or region that the Meridian 1 system is located in. It is important that this location be correct as it determines the region specific software packages and software licenses that will be applied for the system conversion to the new software release. If the site location is incorrect, the software translation will also be incorrect and the upgrade keycode will not accurately reflect the software features or the capacity on the installed system.

Note: Upon installation of a new OrderPro version, the default preferences will be set as they were previously assigned with an earlier OrderPro release for *User Name*, *Company Na*me, *Email address*, *Site Location*, and all *file type folders*.

An option also exists to always maximize the size of the ***Upgrade*** screen for reviewing reports is provided. Note that if this option is not selected, the ***Upgrade*** screen will be minimized for compact viewing. However, the ***Upgrade*** screen may still be maximized, with the Reports preview pane automatically open, simply by maximizing the screen from the title bar.

Finally, additional options can be selected:

(1) [Americas region] A Passive FTP Transfer checkbox is available for use in the event that OrderPro fails when sending an OPI file via FTP to Nortel. Refer to Chapter 5 - 'Using OPI Files in the Americas' for additional information on submitting OPI files.

(2) [All regions] A checkbox to always display the LD 22 SLT and LD 81 CNT data in the Summary Report is available. This option may also be selected / deselected for each system in the Upgrade Screen. Refer to Chapter 5 – 'The Upgrade Screen'.

(3) [All regions] A single preferred COM Port setting may be stored via a ***Preferred Communications Setting*** screen. This default may be set in the ***Communications Setting*** screen. Refer to Chapter 4 – 'Setting Up the Communications Link – Fields and Buttons'.

The ***System Defaults*** screen is displayed in figure 2-1.

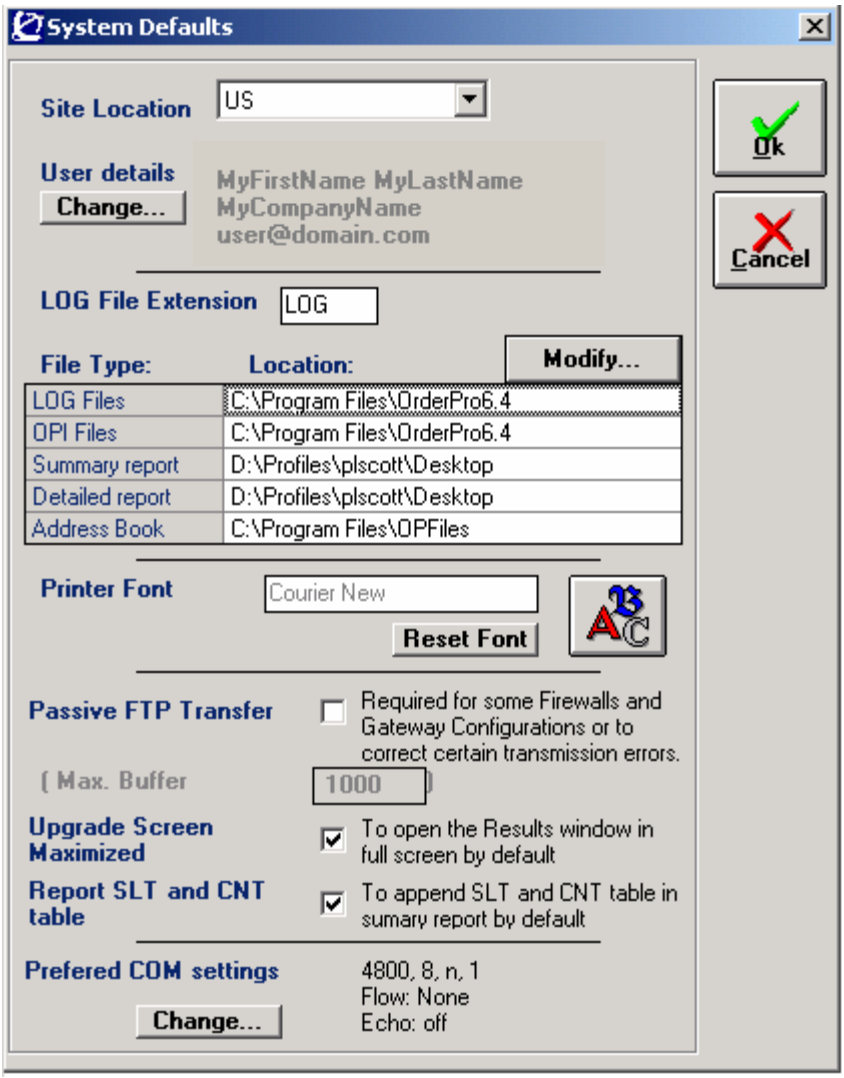


Figure 1: System Defaults Screen

Getting Help

OrderPro provides both task and context sensitive help on the application. To view the help contents, select the *Help* option from the ***Main*** screen, or click the *F1* key for help within a screen.

3
Understanding the OrderPro Interface

This chapter describes how to use the OrderPro application. It contains the following sections:

- OrderPro Components
- The OrderPro Main Screen

OrderPro Components

The key components of OrderPro are as follows:

- LOG File
- OPI file
- The Upgrade Screen
- Reports

LOG File

The LOG file is generated during the OrderPro extraction phase and is used to store all relevant data generated by the switch in response to the commands executed by the extraction script. The file can be named by users. It contains information on:

- the Software Release,
- Site ID/System serial number,
- System type,
- CPU and Memory
- the feature list installed on the system
- the hardware layout for the system form any hardware components that can be polled remotely.

The LOG file is loaded in OrderPro to allow the software license and repackaging algorithms to perform calculations on the data stored in the LOG file, to display reports (software and hardware layout reports) and to create the OPI file. Refer to Chapter 4 – 'Extracting the LOG File' for more information.

OPI File

The OrderPro Interface file (OPI) is an encrypted file that contains the information from the OrderPro Summary report (software) and the detailed report (hardware layout).

- **For the Americas**, the OPI file is loaded to EC to create an upgrade quote from release 15 through 25.xx to CVSD. The OPI file must be sent to Nortel to upgrade a switch from a pre-CVSD Release (X11 release 25.47 or earlier). The OPI file can optionally be used to auto-populate the Site Survey in EC.
- **For Europe and Asia Pacific**, the OPI file is loaded to EC to create a quote, to upgrade a switch from a pre-FBP Release. The OPI file can optionally be used to auto-populate the Site Survey in EC.

The Upgrade Screen

The ***Upgrade*** screen is primarily used to display the result of the repackaging and software license calculations. Refer to Chapter 5 – 'Loading the LOG File' for more information.

Reports

The data captured in the ***Upgrade*** screen is presented in the Summary Report. This report contains software information relating to software service levels and License values, which is required when quoting or ordering software upgrades/expansion to the CVSD model using EC.

A detailed report is also available which gives information on system hardware. Refer to the sample reports in Appendix A.

The OrderPro Main Screen

The OrderPro ***Main*** screen is used to start the extraction and loading phases.

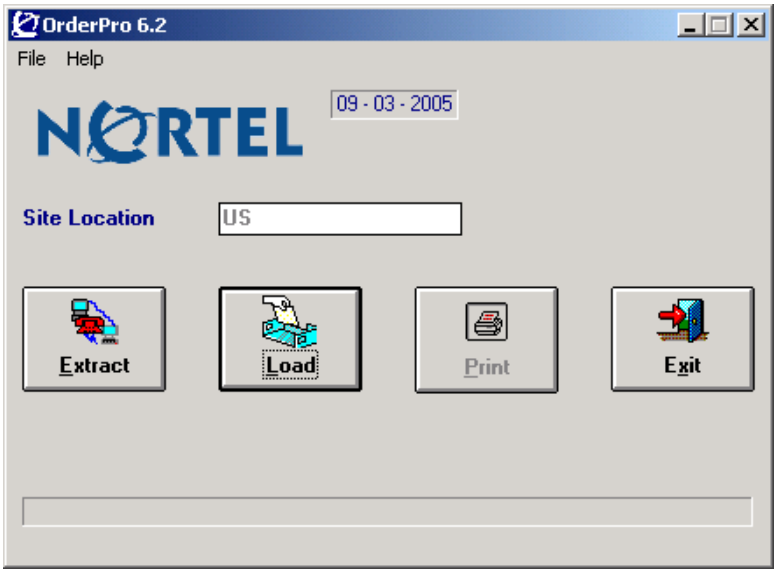


Figure 2: Main Screen

Main Screen Menu Options

The OrderPro ***Main*** screen contains three menu options: *File*, *Upgrade* and *Help.*

File Menu

The File Menu provides the following options:

- *System Defaults:* This option is used to customize OrderPro settings. When OrderPro is run for the first time, the ***System Defaults*** screen is displayed and requires you to enter the site location. Refer to Chapter 2 – 'Setting System Defaults' for more information on the ***System Defaults*** screen.
- *Exit:* Used to exit OrderPro.

Upgrade Menu

The Upgrade Menu is available for European site locations only. It is hidden for all other site locations.

Help Menu

The Help Menu provides the option to open the online help and view information regarding the OrderPro application.

Main Screen Fields and Buttons

The OrderPro ***Main*** screen also contains the following fields and buttons:

- *Site Location***:** Displays the site location specified in the System Defaults.
- *Extract:* Click this button to begin the process to extract the LOG file from the Meridian 1 system.
- *Load:* Click this button to begin loading a LOG file.
- *Exit*: Click this button to exit the application.

4
Extracting the LOG File

This chapter describes how to perform an OrderPro extraction. It contains the following sections:

- Setting-Up the Communication Link
- Opening Dialog with the PBX
- Extracting Data to the LOG File
- Using Address Books
- Changing Modem Settings
- Customizing Modem Scripts

Setting-Up the Communication Link

To perform an OrderPro extraction, a communication link needs to be established between the PC running OrderPro and the PBX.

To set up the link, click the <Extract> button on the OrderPro ***Main*** screen. The ***Connection Details*** screen is displayed. This screen specifies the characteristics of the PBX (Phone No, Password, Connection type etc.) from which data is extracted.

Communication between the PC and PBX can occur in one of three ways:

1. *Modem:* A remote connection implies that the PC and switch are not directly connected by one piece of cable (usually due to the distance between the two sources) but can communicate instead through means of modem.
2. *Direct:* The PC is connected directly to the switch.
3. *Telnet:* A telnet connection is required if you connect through a LAN to a server/PABX.

Note: RLOGIN connection is not supported by OrderPro. If you wish connect to a Meridian 1 system using the Telnet connection option in OrderPro, then you must first connect OrderPro to a Server that supports rlogin, and then run the rlogin session manually from the command prompt in the OrderPro ***PBX Terminal*** screen.

When this option is selected, the OrderPro ***PBX Terminal*** screen will be the interface to the rlogin server, and following a connection to the server, the normal procedure is followed to login to the Meridian 1 system and extract the LOG file.

Clicking the <Configure> button allows you to specify communication settings (port number, modem speed, and connection preference).

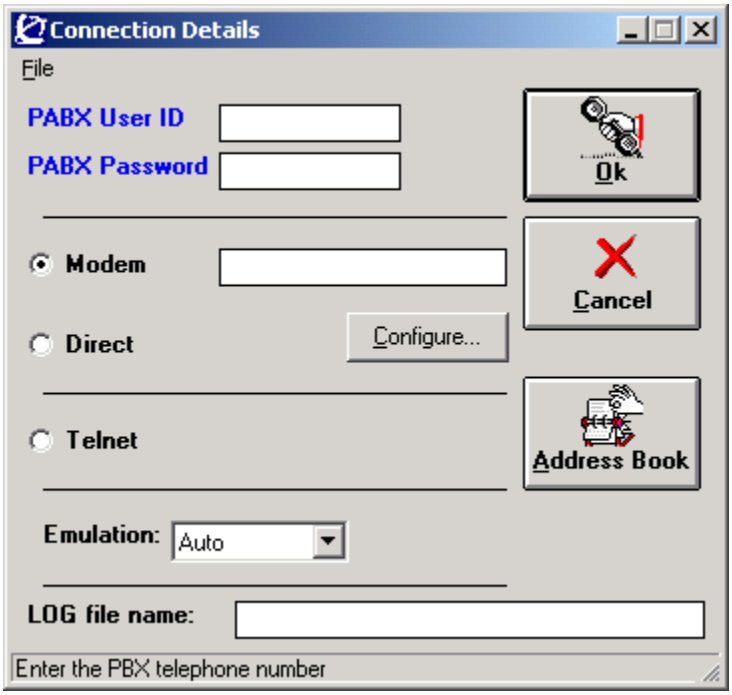
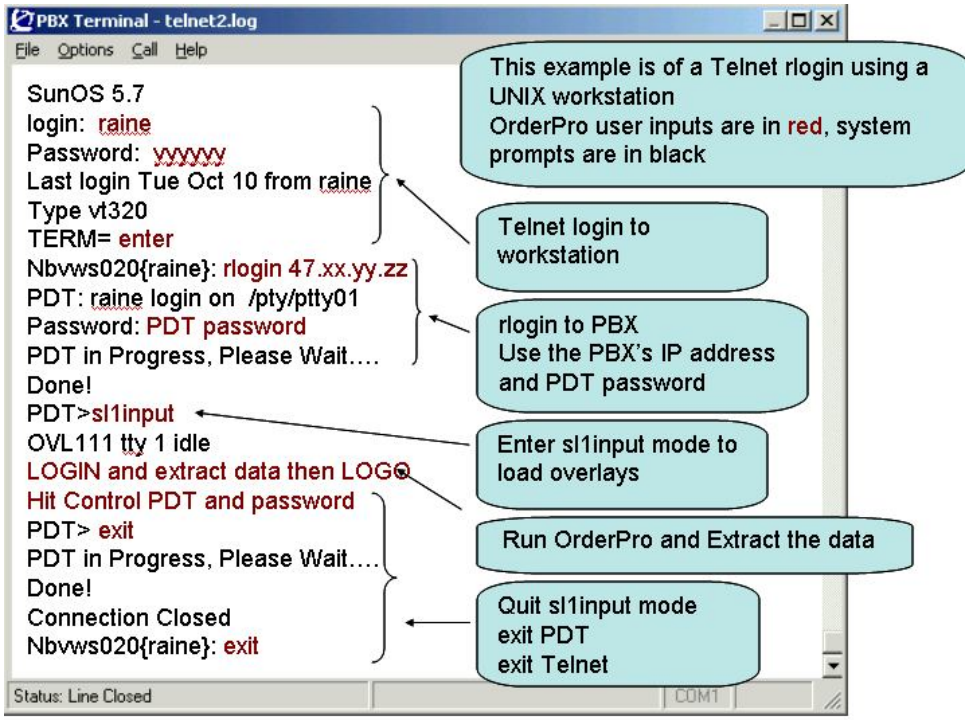


Figure 3: Connection Details Screen

Example Telnet login session

The following example is of a Telnet rlogin using a UNIX workstation. OrderPro user inputs are in red, system prompts are in black.



Secure Modems

If you are connecting through a secure modem, connect to the modem through the ***PBX Terminal*** screen and keep a record of the commands entered in order to create a customized Modem Script for future logons.

In the ***PBX Terminal*** screen, select Options > Customize Modem scripts

The following shows an example of the most commonly used script:

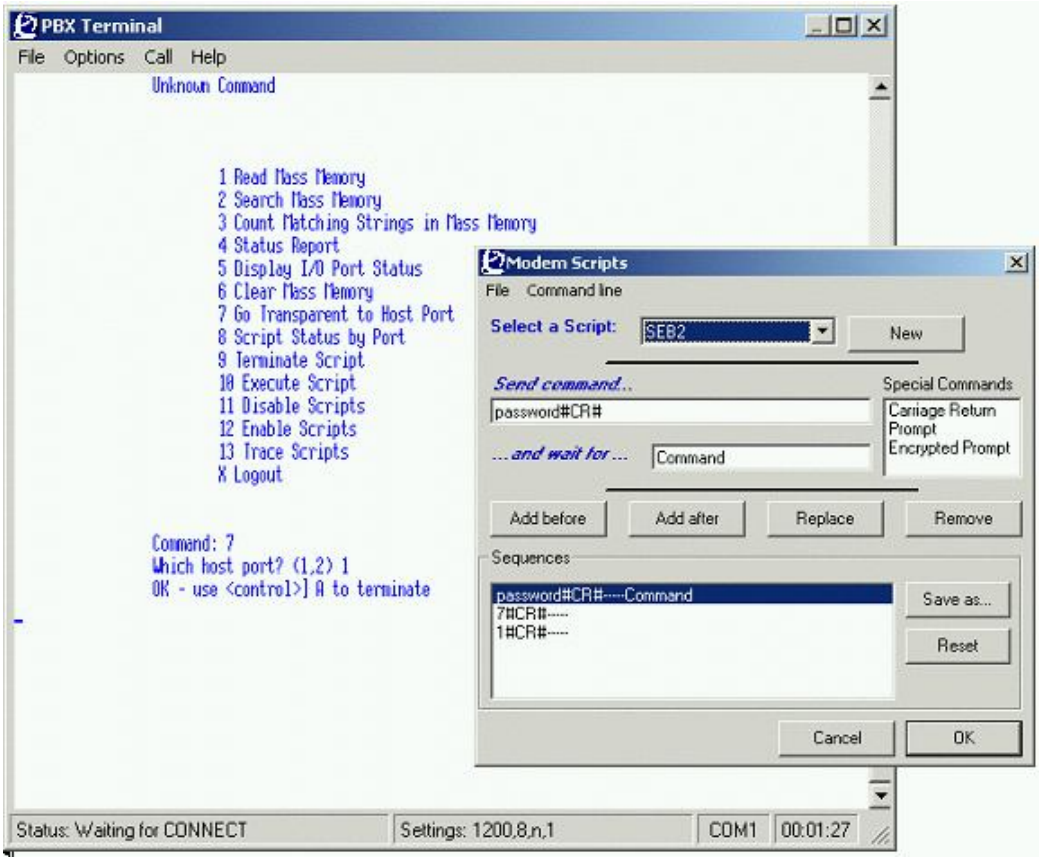


Figure 4: Secure Modem Connection with Customized Script

Click <New> and name the script, then using the information that you entered and received from the previous screen, fill in the 'Send command' and 'wait for' fields. Click <OK>. Save your changes and <Refresh Menu>.

File Menu

The ***Connection Details*** screen provides the following File Menu options:

Terminal: Loads the ***PBX Terminal*** screen.

Address Book: Loads the ***Address Book*** screen used to store ***PBX*** details or populate ***PBX*** details for the current communication.

Modem Commands: Loads the ***Modem Commands*** screen, which contains the modem string initialization.

Exit: Return to the ***Main*** screen.

Save as: Save user information in the address book.

Fields and Buttons

The ***Connection Details*** screen provides the following fields and buttons:

PABX User ID: Enter the user ID as defined for the "Login by User name" feature. If this feature is not configured then leave this field blank in which case OrderPro will confirm this to the user during the system login process.

PABX Password: To access data from a switch, you must know the PABX password. Regardless of the type of connection that is used, you must enter a password to retrieve the LOG file. Please note that the password used (in conjunction with the system TTY port functionality) must be permitted to access the print overlays used in the OrderPro extraction scripts. Refer to Appendix B – 'Command Scripts' for further detail.

Modem/Direct/Telnet: If a *Modem* connection is used, you need to specify the phone number of the target switch. If the switch and PC are in close proximity, a *Direct* connection may be used. A *Telnet* connection allows you to access a server/***PBX*** *via* the LAN.

Note: If you do not complete the required fields in the ***Connection Details*** screen, you are prompted to enter that information (Phone Number of switch, ***PBX*** Password etc) later in the Extraction phase. It is recommended that you enter the details in the ***Connection Details*** screen.

Emulation: The terminal emulator.

LOG File Name: The name of the LOG file that the ***PBX Terminal*** screen is going to retrieve from the switch. It is important to use a proper naming convention so that the files can be easily identified. It is also helpful to keep the same file extension for all LOG files (e.g. filename.log). Click on the field to browse the PC directories.

OK: Clicking this button displays the ***PBX Terminal*** screen, used to begin communication with the switch.

Cancel: Clicking this button exits the screen and returns to the ***Main*** screen without trying to retrieve a LOG file.

Configure: Clicking this button displays the ***Communication Settings*** screen. See Figure 4-2.

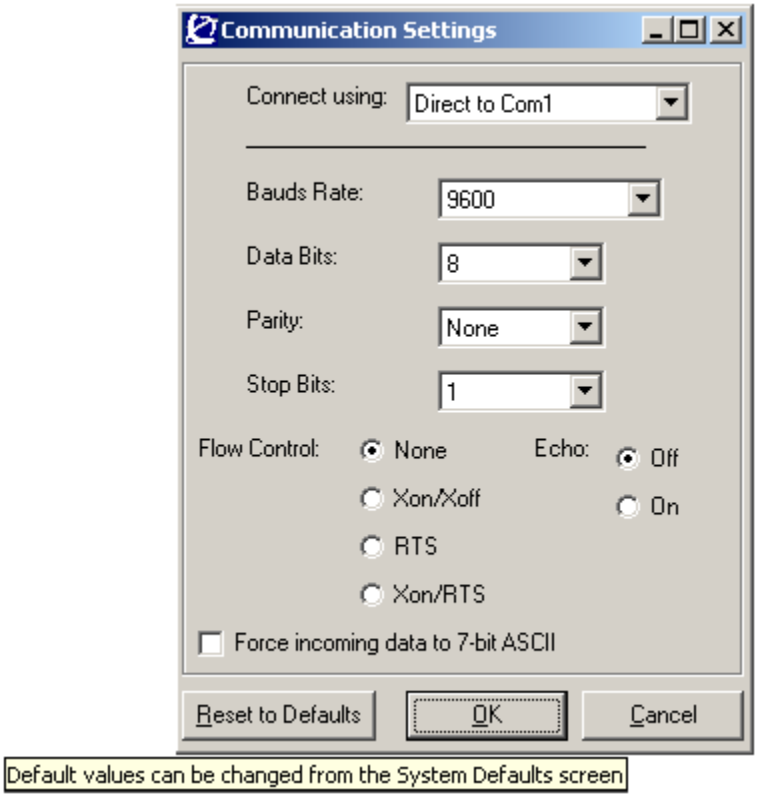


Figure 5: Communication Settings Screen

The ***Communication Settings*** screen requires you to specify the following parameters:

Connect Using: The port that is used by the PC to establish the connection must always be specified before pressing the *OK* button.

Baud Rate: The baud rate specifies the speed of data transfer between the two communicating machines. The rate must always be specified and the value may depend on the switch and/or modem settings.

Connection Preferences: The *Data Bits/Parity/Stop Bits* options relate to the type of communication used in the data transfer. The settings may depend on switch and modem settings.

Echo: Specifies the ***PBX Terminal*** screen preference.

Flow Control: This option relates to the type of communication used in data transfer and may depend on switch and modem settings.

Reset to Defaults: Default values can be changed from the ***System Defaults*** screen.

Note: OrderPro automatically saves the current settings when leaving the screen. If new default communication settings have been entered, they are retrieved as default settings when subsequently loading the application.

Opening Dialog with the PBX

When the communication link has been established, OrderPro can start the dialog with the PBX. To load the ***PBX Terminal*** screen, select the *File->Terminal* option on the ***Connection Details*** screen.

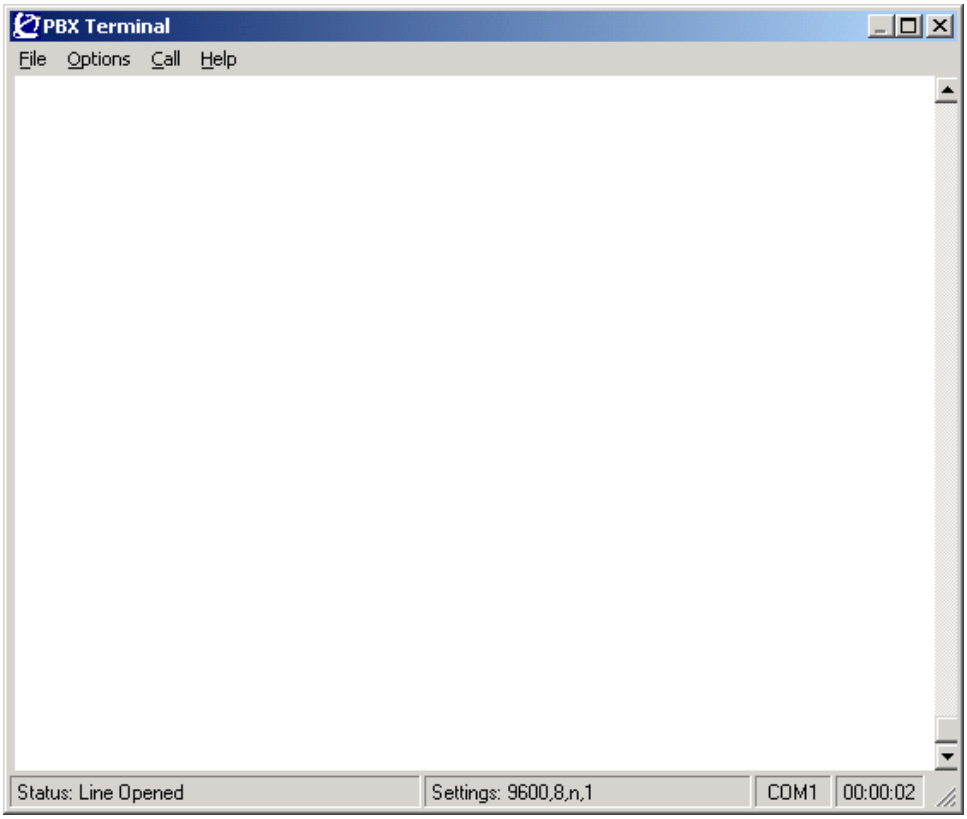


Figure 6: PBX Terminal Screen

The ***PBX Terminal*** screen allows you to specify the appropriate parameters to create the LOG file. There are three ways of proceeding with the extraction process:

- Commands may be entered manually to establish connection with the PBX by typing them in the ***PBX Terminal*** screen followed by the carriage return key. This method is not recommended as it can lead to data errors in the LOG file.
- Select the appropriate item in the Call menu. Refer to 'Extracting Data to the LOG File' for further detail.
- Use a combination of the above two options

If a problem should occur with the communication link, check the settings on the ***Connection Details*** screen.

If the LOG file name is specified in the ***Connection Details*** screen, it is automatically opened on entering the ***PBX Terminal*** screen, and closed on exiting the ***PBX Terminal*** screen.

If no LOG file name is specified, when you open the ***PBX Terminal*** screen, you must open a LOG file (using the File menu) to store the retrieved data.

The ***PBX Terminal*** screen can be sized to full screen, and supports the following emulations: Auto, vtty, vt52, vt100, vt220 7 bits only, vt220 8 bits, vt320 7 bits only, vt320 8 bits. The Status Bar displays the following information:

- *Status:* informs the user of the process status. For example, it may display the status "Waiting for REQ" or "Analyzing…" etc.
- *Settings:* If the serial connection is used (direct or modem), the following is displayed for the connection: Speed, Parity, Data bits, Stop bit. If a Telnet connection is used, a counter is displayed listing the number of bytes downloaded in the Telnet port buffer.
- *COM 1;* Shows the PC COM port used for direct and modem connections
- *Time:* Displays the time the line is opened.

The ***PBX Terminal*** screen supports the following menu options:

File Menu

Open File: Displays the Open Communications ***LOG File*** screen, used to open a LOG file. To open the LOG file, you can also click in the *LOG file name* field on the ***Connection Details*** screen. All the commands and responses from the PBX, displayed in the ***PBX Terminal*** screen, are captured in this file.

Note: If a file name has been chosen in the ***Connection Details*** screen, this option is disabled until the file is closed.

Close File: Selected to close the file currently open. It is not available if no file is opened.

Open Line: Used to enter commands. This option may be disabled by choosing the *Close Line* option. It is not recommended to enter commands manually as it may lead to inaccurate data capture in the LOG file.

Close Line: Selected to close the line currently opened manually. It is not available if no line is opened.

Exit: Used to exit the ***PBX Terminal*** screen and return to the ***Main*** screen. If a file is opened to capture the PBX details, selecting the *Exit* option closes it automatically. If the line has not been properly closed, OrderPro will automatically close it.

Options Menu

Properties: This option allows you to toggle between the ***Connection Details*** screen and the ***PBX Terminal*** screen.

Modem Commands: Loads the ***Modem Commands*** screen where you can alter the modem commands.

Address Book: Loads the ***Address Book*** screen where PBX details can be stored and from where PBX details for the current communication can be retrieved or modified.

Customize Modem Scripts: Loads the ***Modem Scripts*** screen, where you can create or edit your own scripts of commands. Refer to 'Customizing Modem Scripts' for further detail.

Extraction Options – Insert ASCII Delay: Forces OrderPro to introduce a delay between each character sent to the Meridian (required for some old systems).

Extraction Options – Ignore Line Feed: Enables or disables the detection of line feed characters during the extraction.

Default Window size: Returns the size of the ***PBX Terminal*** screen to default.

Call Menu

Dial: Sends the initialization string and dials the Meridian 1 System Phone Number as specified in the ***Connection Details*** screen.

System Login: Sends the initialization string set in the Modem Settings screen and then dials the phone number specified in the ***Connection Details*** screen. It then sends the 'LOGI' command to the switch. The system should respond with the 'PASS' prompt to which OrderPro responds automatically by the password set previously or prompts you for the password if it is not yet specified. Once OrderPro is logged into the system, some initial commands are sent to identify the features of the Meridian 1 system. Refer to 'Appendix B – 'Command Scripts' for further detail.

[*Modem Scripts:* This is visible only if at least one script has been created. Its sub-menu lists the existing modem scripts. Selecting a script from the sub-menu automatically executes the commands defined in the script.]

Data Extraction: automatically executes the commands for the data extraction. The extraction must be chosen if the system requires an upgrade to the CVSD model software. The system response to the extraction commands is stored in the LOG file.

Logout: Required to exit the system and close the connection.

Help Menu

Help on Extract: Provides help on the ***PBX Terminal*** screen.

System Errors

Most Meridian 1 systems are configured to report alerts and errors. These error messages can introduce corruption in the LOG file.

OrderPro removes as many of the errors in the LOG file as possible when loading. Errors can cause corruption and can cause the loading process to fail.

If errors in the LOG file are causing the loading process to fail, then you should prevent the system from sending these error messages. It is possible to suppress them by disabling error reporting on the Meridian switch.

After extraction, error reporting should be re-enabled.

OrderPro will not automatically suppress error reporting on the Meridian 1. The OrderPro user must manually Disable Error reporting at the beginning and at the end of the extraction. Refer to Appendix C – 'Suppressing Error Messages' for further detail.

Extracting Data to the LOG File

To extract data to the LOG file using the Call menu options:

- Follow the steps to set up a communication link to the PBX.
- Select the *File -> Terminal* menu option on the ***Configuration Details*** screen. The ***PBX Terminal*** screen is displayed. [Clicking the *OK* button on the ***Configuration Details*** screen also displays the ***PBX Terminal*** screen].
- Select the *Call -> Dial* menu option [this step is only required if the Communication Settings have not already been specified in the ***Connection Details*** screen] and enter the Meridian 1 Phone Number.
- Select the *Call -> System Logon* menu option and enter the username and password if requested.
- Select the *Call -> Data Extraction* menu option. The data extraction is used to extract required information from the installed switch by running an extraction script. The information generated in response to the script commands is saved to a pre-selected LOG file [you need to specify a LOG file name if it has not already been entered in the ***Connection Details*** screen]. See Appendix B for details on extraction script commands and for a list of the Meridian 1 Overlays that are accessed during the LOG file creation
- Select the *Call -> Logout* menu option to log out of the Meridian 1 system.
- When using the Call Menu options, you can enter a `<cr>` command, or select the *Cancel* option to stop the extraction. If you choose the *Cancel* option, repeat the steps to perform an extraction.

Using Address Books

The Address Book facility allows users to save the properties of connections that they manage. The facility is useful when users need to re-access the same PBX or access server in the future. Using the Address Book, users can maintain and modify the Connection Type (Modem, Telnet) and Connection Details (Customer Name, Phone Number, Login ID and Password, plus other Custom Fields as described below) associated with each PBX or access server.

Address Books may be merged with data shared from another OrderPro user. Users should contact OrderPro Technical Support for help with this operation.

The ***Address Book*** screen may be accessed from:

- the ***Connection Details*** screen by selecting the *File -> Address Book* menu option
- by pressing the *Address Book* button on the ***Connection Details*** screen
- the ***Address Book*** screen can also be accessed from the ***PBX Terminal*** screen by selecting *Options -> Address Book*.

Connection Details – Custom Fields

The ***Address Book*** screen contains inputs to store additional call information (such as modem user ID's and passwords, telnet passwords, etc.) that may be required for connection through to a PBX. Two textboxes are available for user customization: Custom Field 1, Custom Field 2.

Note that both fields are also available, as Special Commands, for creating customized modem scripts in the ***Modem Script*** screen. Refer to 'Special Commands' under 'Customizing Modem Scripts' for further detail and illustration.

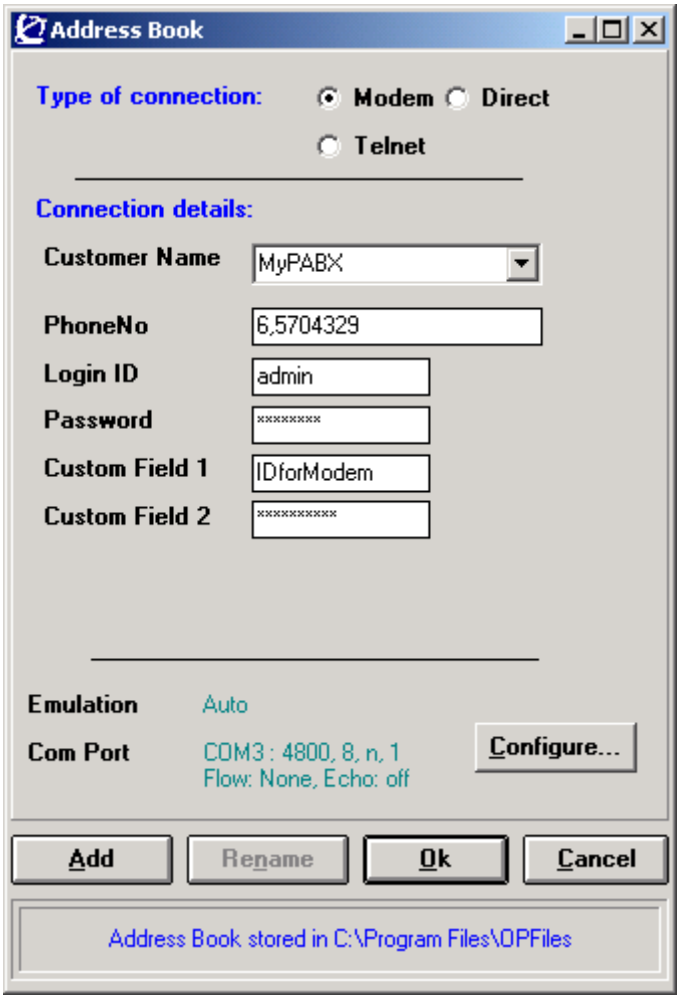


Figure 7: Address Book Screen

To create an Address Book entry, select a connection by clicking the appropriate button. Customer data is added by entering the details. The following details need to be specified for each connection:

- *Telnet*: Enter the Customer Name, Server Name/IP Address, Port, Meridian 1 Login ID, Meridian 1 Password, Server Login Name and Server Password Used.

- *Modem* or *Direct*: Enter the Customer Name, Meridian 1 Phone Number, Login ID, and Password. This information does not appear for a modem connection.

Communication Settings are contained in each bookmark, and entered by clicking the <Configure> button.

The <Rename> button will prompt a user to enter a new name for the current connection. The <Rename> button is disabled ('grayed out') if no connection is selected in the list.

Backing up your Address Book

Periodically you should back up your address book for safe keeping. To back up your address book:

Copy the OPBookmark61.cfg file located in the c:\Program Files\OPFiles directory to another location of your choice.

If for some reason your address book gets corrupted, you can copy the backup file to the c:\Program Files\OPFiles directory"

Note: When a new version of OrderPro is installed, your Address Book is always retained.

Changing Modem Settings

The ***Modem Commands*** screen is accessed by selecting the *File -> Modem Commands* menu option on the ***Connection Details*** screen, or by selecting the *Options -> Modem Commands* menu option on the ***PBX Terminal*** screen. Users may choose from three modem modes: Custom, V.90 or V.92. Only the 'Custom' mode will allow users to change the modem settings. If users wish to make changes to the stored V.90 or V.92 settings, they should contact OrderPro Technical Support for help.

The ***Modem Commands*** screen also contains the modem initialization string. The string may be modified to cater for modem settings on advanced communication applications.

The <OK>. Button will save the chosen modem mode/commands settings.

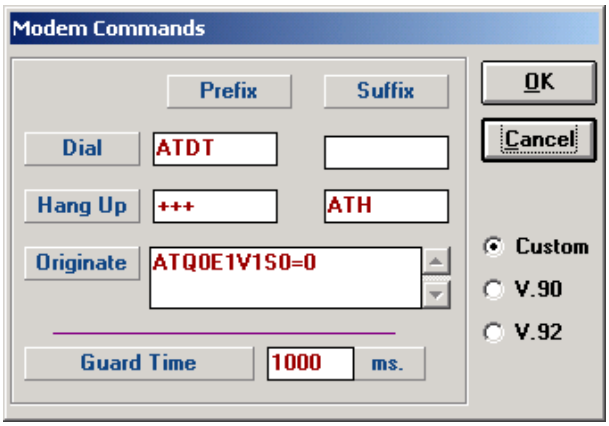


Figure 8: Modem Commands Screen

Customizing Modem Scripts

OrderPro allows you to create your own customized modem scripts to specify the dialog to be used when accessing switches via secure modems. This allows standard scripts to be defined, saved, and reused rather than having to enter manually on the ***PBX Terminal*** screen for every modem access. To create and maintain a customized script, open the ***Customize Modem Scripts*** screen from the *Options* menu of the ***PBX Terminal*** screen.

This window lists the currently defined command scripts and allows you to add new scripts or change an existing script sequence. Once defined, a script may be called from the ***PBX Terminal*** screen Menu.

The scripts you define remain from one OrderPro installation to another.

The fields on this screen display the modem settings for more advanced communication applications. The settings may need to be modified when using specific modems.

The generic commands, used by most brands of modem, are as follows:

Dial: **AT DT** AT command followed by Dial in TouchTone mode. It takes a phone number as argument

Hang Up prefix: **+++** escape sequence to drop the dtr line

Hang Up suffix: **ATH** modem on hook status

Originate string: **ATQ0E1V1M0S0=0** initialize the modem

Guard Time: **1000ms** A period of time during which the modem must not receive characters. The escape sequence (normally +++) has a guard time to ensure that data sent from a remote modem isn't interpreted as an escape sequence. For the modem to interpret an escape code as valid, there must be one second before and one second after the escape sequence in which the modem doesn't receive any characters.

Notes:

- All commands are prefixed with "AT" (Attention code)
- S37=0/10 set modems bauds rates
- S1=0 set modem to auto-answer
- M0/1/2/3 set sound volume (0=mute 3=loud)
- Z restore Factory settings

AT commands

Useful information sources and links:
http://www.dataip.freeserve.co.uk/Reference/ATCommands.html
http://www.freenet.hamilton.on.ca/Help/Connect/ModemCommandsMore.html
http://www.gci-net.com/support/DB/BasicHayesModemCommands.html

Initialization strings

Useful information sources and links:
http://www.netins.net/dialup/modems/init/
http://www.modemhelp.org/sets.html
http://www-tei.uic.edu/depts/accc/network/dialin/modem_init.html

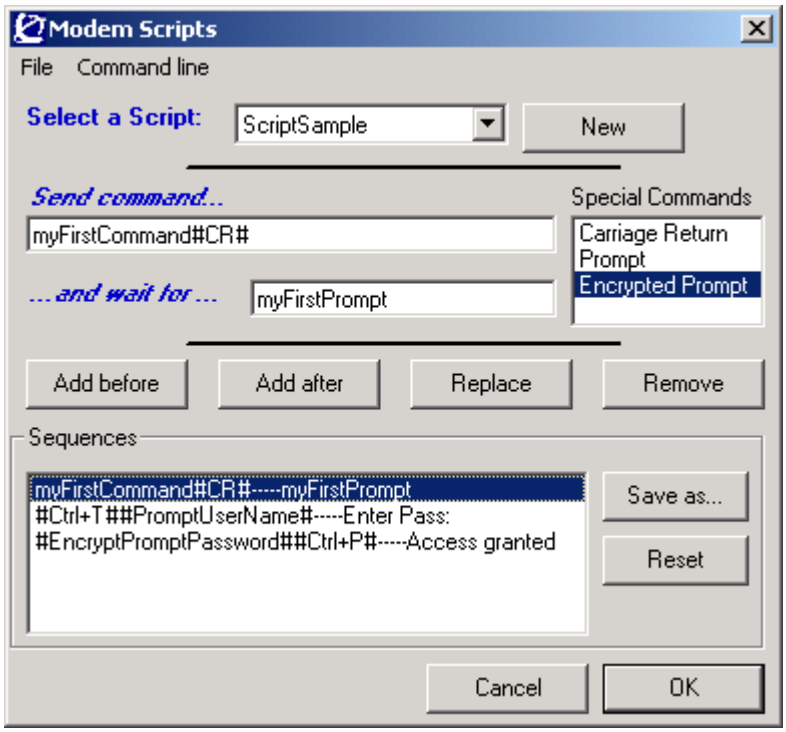


Figure 9: Modem Scripts Screen

Use this window to:

- Add a new command script
- Change a command script sequence

As shown in the Script example in figure 4-6, your commands can contain requests to call regular User Prompts (such as UserName) and encrypted User Prompts (such as Password). It also supports CTRL – x characters.

Note: If a command requires the Carriage Return (Enter key), then it must be added as part of the command line.

Fields and Buttons:

New: Create a new script with no command line

Add before: Insert command line in the list, on the line placed above the selected command line

Add after: Insert command line in the list, on the line placed below the selected command line

Replace: Change the selected command line to the new command line

Remove: Remove the selected command line from the list

Note: To remove a script from the list, select the script, delete every command line from the sequences list, and click Save As…

Save As…: Save the current script

Reset: restore the list of scripts and their content as they were when the screen was initially opened

Cancel: Exit the screen without saving any manipulation done on the screen since opened

OK: Save permanently all the changes and exit the screen

Note: The Modem Scripts screen menu has corresponding options for all the commands above.

Select a Script: presents you with the list of available scripts. Select a script in the list to modify it

Send command…: Text to be sent from the PC to the communications equipment. It may contains *Special commands*

…and wait for…: Command that must be sent from the remote modem to the local modem before the local modem can reply

Special Commands: double-clicking on one of the listed items to insert it in the command line:

- Carriage Return (Only one Carriage Return allowed per command. Always placed at the end of the command line)
- Prompt request (OrderPro will prompt the user to dynamically make an entry while running the script)
- Encrypted Prompt request (OrderPro will prompt the user to dynamically make an entry while running the script. The entry will be encrypted as typed by the user.)
- Custom Field1, Custom Field2 (user defined entries) as created in the Address Book



Figure 10: Special Commands

Sequences: lists all the command lines and associated prompts defined for the selected scripts

Exporting Modem Scripts

OrderPro users may export their modem scripts to share with other users by using the following instructions:

- On your PC, under <Start>, <Run...>, type ‘regedit’
- Within ‘regedit’, browse to HKEY_CURRENT_USER\Software\VB and VBA Program Settings\OrderPro\
- Select any of the \CustomizeCommandX subkeys
- From the Registry Editor menus, select <Registry><Export Registry File...> (ensure "Selected Branch" option at the bottom is chosen)

The REG file created can be passed to any other user who may install the file by simply double-clicking the file to register the script on their PC.

Note: If a script with the same incremental number exists on the target PC, then it will be overwritten.

5
Loading the LOG File and Generating OPI Files

This chapter describes how to load the LOG file, and contains the following sections:

- Overview of Loading
- Pre-validating the LOG File
- Calculating the License Values and Repackaging the Software
- Generating and using OPI files

Overview of Loading

The following steps are performed in the Loading phase:

- Clean and pre-validate the LOG file by:
  - Removing non-relevant information from the LOG file
  - Inserting comments into the LOG file to facilitate the manipulation program
  - Ensuring all the information is available in the LOG file to properly load the LOG file
- Calculate the software license values and repackage the software to the CVSD structure.

To start the loading phase, click the *Load* button on the OrderPro ***Main*** screen. The ***Load File*** screen is displayed.

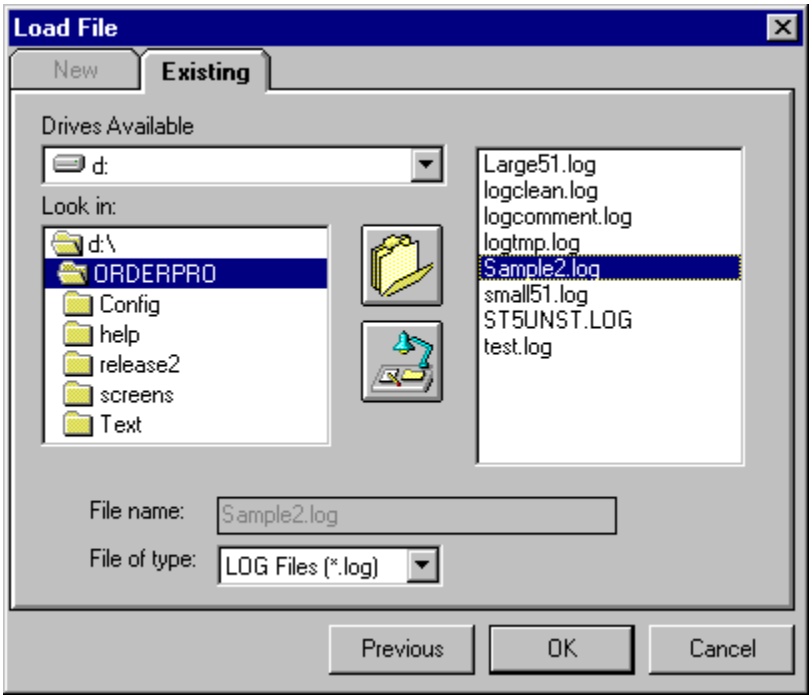


Figure 11: Load File Screen (Existing tab)

The ***Load File*** screen displays an *Existing* tab that contains the following fields and buttons:

Drives Available: Used to select the drive where the LOG file resides

Look In: Used to select the folder where the LOG file resides

Folder icon: shows the .LOG files in the default folder set up in system defaults

Desk with light icon: Shows the LOG files on the desktop

File Name: Displays the selected file name

File of Type: Displays the file extension (.log)

Previous: Clicking this button loads the last LOG file selected with this screen

OK: Clicking this button validates selections and loads the LOG file

Cancel: Clicking this button cancels loading and exits the screen

Clicking this button displays the contents of the default folder

Clicking this button displays the contents of the desktop

"Select LOG file" screen : <Enter> key expand branch in Directory

New EC 6.6 !

This enhancement in OrderPro 6.6 aims to ease the selection of LOG files on the PC using the keyboard. When a folder is highlighted in the branch when browsing folders on the PC, typing <Enter> key will expand the folder in the branch and arrows can then be used to browse the sub-folders

Pre-Validating the LOG File

OrderPro pre-validates the LOG file by automatically executing the following tasks during the loading process:

1. Cleaning: This step removes the following non-relevant information from the LOG file:
   - Convert characters downloaded in 7-bit format to a readable 8-bit format
   - All non-Windows ASCII characters. If the extraction has been performed with a different tool (RACE, SMARTTERM, etc.) some unexpected characters may have been stored in the LOG file that may generate problems when OrderPro attempts to read them.
   - ASCII characters (ASCII code 0 to 7, 11, 12, 14 to 31, 127 to 159)
   - PAGE NO in the middle of PBX responses
   - Blank lines
   - Lines containing `TIM XXX, DTC XXX, IOD XXX, BST XXX, BUG XXX`
2. Commenting: OrderPro inserts comments into the LOG file to facilitate the manipulation program and make files legible. This phase also ensures that every expected prompt and command is present in the file.
3. Verification: Ensures that all the information required to load the LOG file is present, and information to calculate or retrieve the License values is present. The License values are validated by checksum.
4. Attempts to repair the CNT command response if corrupted.

Calculating the Software Licenses and Repackaging the Software

The second part of the loading process involves calculating the software license values and repackaging the software to the equivalent CVSD software service level for the current software release.

For upgrades to CVSD, software license parameters are calculated. Refer to Appendix B – 'License Extraction Calculations' for further detail. However, for an expansion within the FBP model (Europe, Asia-Pacific regions), the software license parameter values are read directly from overlay LD22.

When upgrading to CVSD, all of the existing features installed on the Meridian 1 system are mapped to their corresponding feature set in the new structure by the repackaging algorithm. This enables OrderPro to identify the equivalent software service level in the new software structure that includes all of the features on the existing system.

Loading Process Dialog Boxes

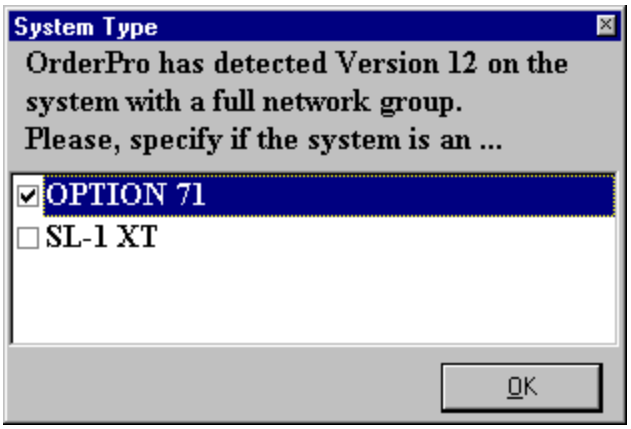
During the loading process, configuration dependent questions and warnings may be shown in dialog boxes.

Available Upgrades (EMEA region)

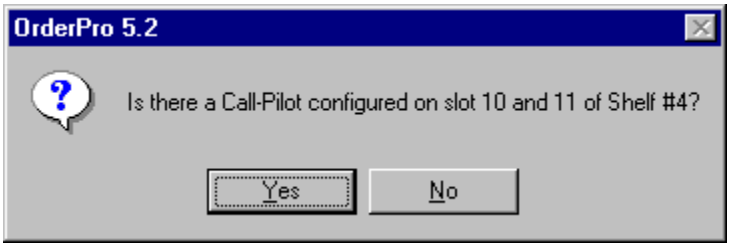
For certain markets in Europe, OrderPro displays a dialog box that provides the available upgrade/expansion paths permitted. The options displayed in the dialog box will be conditional upon the installed software release on the PBX.

System Type

If the system generic is 11.11, 12.11 or 13.11, then a dialog box, similar to the following, may be displayed to prompt you to identify the system type:



CallPilot



If this message is displayed, OrderPro requires you to confirm if CallPilot is configured in certain slots. Not all CallPilot cards have Card IDs so OrderPro can only make assumptions based on the complete hardware configuration detected. Select *Yes* or *No* to confirm.

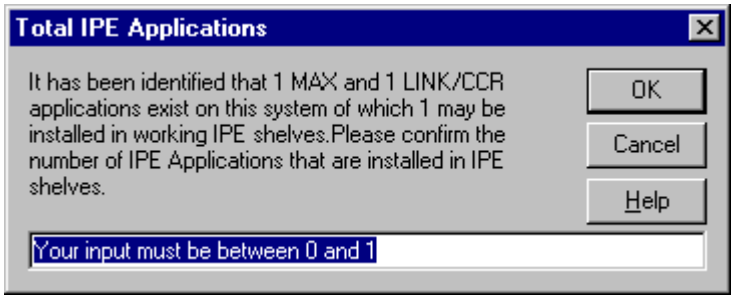
Meridian Mail



If this message is displayed, OrderPro requires you to confirm if the version of Mail on the switch is the enhanced processor card option.

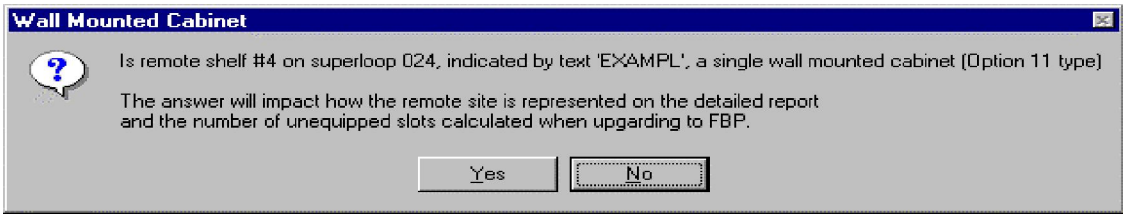
IPE applications

The following dialog box may also be displayed, if a number of applications existing on the system are IPE or AEM (modular) based:



If this is the case, the core system software does not provide OrderPro with sufficient information to determine if the application is IPE or AEM. You are required to enter the number of IPE Applications that are installed.

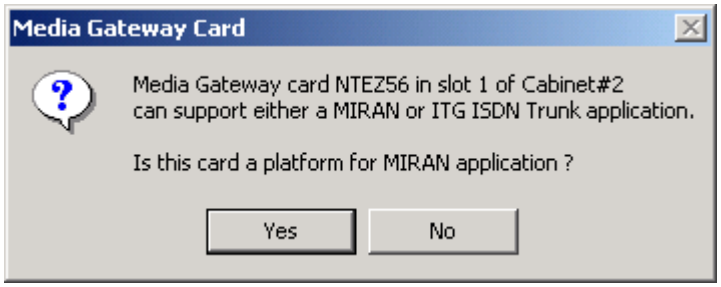
Wall Mounted cabinet



If this message is displayed, OrderPro has detected a Carrier or Fiber Remote site, which may be a wall mounted cabinet.

Hardware Inconsistency - MIRAN Application (NTEZ56AA) on Media Gateway Cards

Some early vintage Media Gateway cards (NTVQ01BA) have a hardware inconsistency that prevents OrderPro from accurately detecting the card identity. The MIRAN application (NTEZ56AA) may be incorrectly detected where a Media Gateway card is programmed as an ITG Trunk. Hence, users must confirm how the NTVQ01BA card in the identified slot and shelf is being used in order to correctly determine the ITG trunk software license count. The following dialog box will be displayed whenever NTEZ56AA is detected as the 'card type':



The Summary Report will capture a manual entry for this dialog as follows:

>Is Media Gateway card NTEZ56 in slot 1 of Cabinet#2 a MIRAN Card ? =>Yes/No

Hardware Inconsistency - NTVQ91BA as Media Gateway Card

Due to a hardware inconsistency, some NTVQ01BA Media Gateway cards are incorrectly identified as NTVQ91BA. OrderPro will identify the physical location of the hardware discrepancy via a warning message and automatically substitute the NTVQ01BA ITG card via the following displayed message:

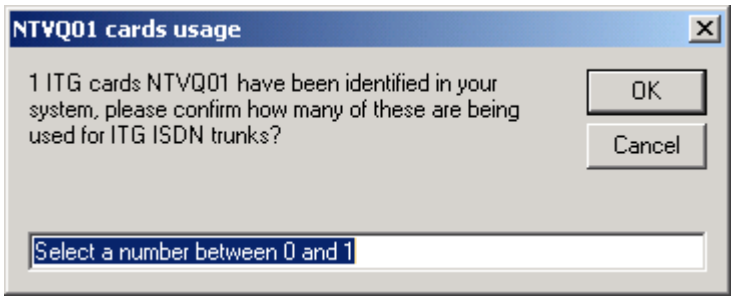


The Summary Report will capture a manual entry for this dialog as follows:

>Media Gateway card, NTVQ01BA, substituted for NTVQ91BA in slot 0 of Shelf#3

ITG ISDN Trunks

The following dialog box may be displayed if ITG cards of type NTVQ01 are detected on the system:



In such cases, the core system software does not provide OrderPro with sufficient information to determine if the NTVQ01B* cards are being used for ITG trunks or ITG lines. You are required to enter the number of NTVQ01B* cards that are being used for ITG ISDN trunks.

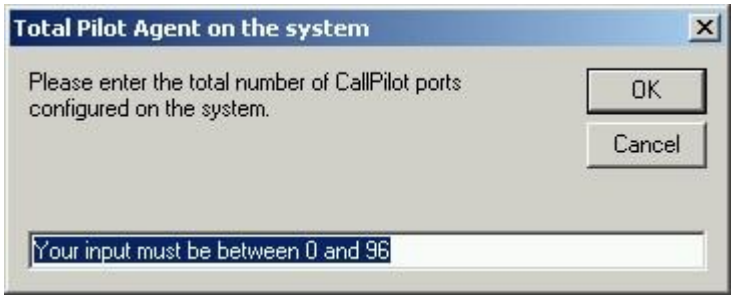
Note: Although the NTVQ55 card may run trunk software, it is not a supported configuration. Hence, these cards are not counted for ITG trunk software licenses - users must purchase ITG cards.

The Summary Report will capture a manual entry for this dialog as follows:

>Number of installed NTVQ01 cards used as ITG Trunk? =>n of N

Feature 364 – CallPilot Agents

If OrderPro detects feature 364, users are required to enter the number of CallPilot ports configured on the system.

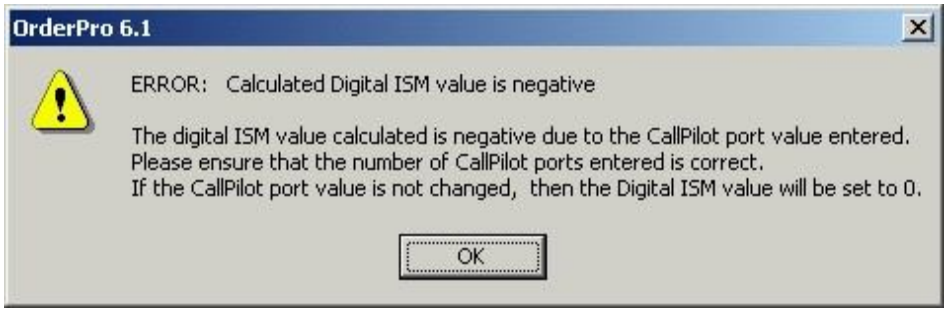


OrderPro will not proceed until a valid quantity is supplied that does not exceed what is configured on the system.

Note: In order to confirm this quantity, users can open Overlay 81 and type the command 'CNT'. At the FEAT prompt, enter 'MMA'. .

Alternatively, OrderPro is deployed with a customized script that can be installed by double-clicking on the following 'reg' file (at the location shown within the filename): **Program Files\OrderPro6.x\Config\Script_MMA_Count.reg**

If an invalid quantity is entered such that the Digital License value can not be calculated, the following error message will be presented:



Note that OrderPro can not stop the extraction from loading at this stage. The Digital License value will be set to 0. The user is advised to confirm the CallPilot port value and re-load the LOG file.

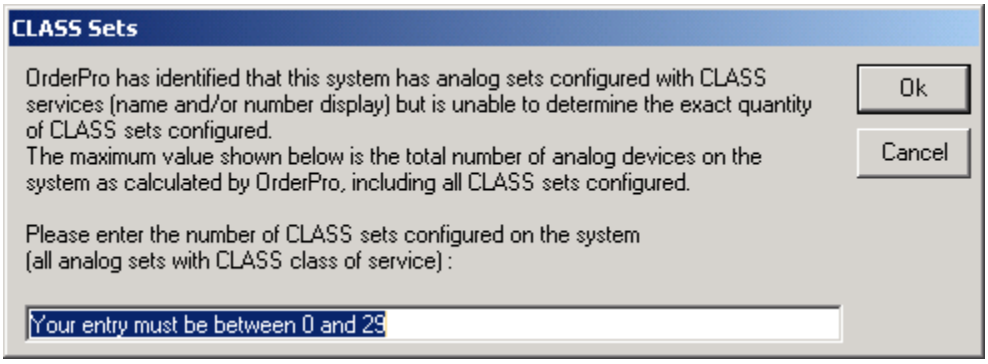
The Summary Report will capture a manual entry for this dialog as follows:

> Total number of Pilot Agents on the system? =>N

Note: Similar messaging may be displayed for the ACD Agent License calculation.

Analog Sets with CLASS Services (Americas, AP regions only)

OrderPro is unable to determine the exact quantity of CLASS sets configured when it detects analog sets configured with CLASS services (name and/or number display). Users are required to enter the number of CLASS sets configured on the system:

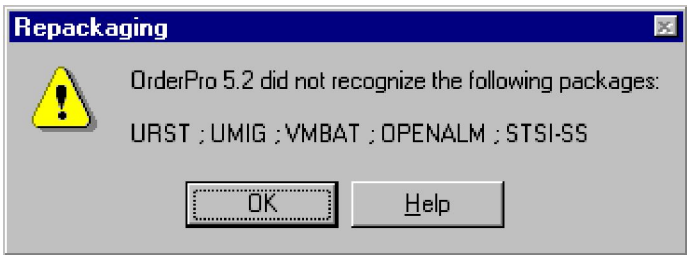


Note: The number of analog devices on the system is calculated by OrderPro and is presented as the maximum acceptable value. OrderPro will not proceed until a valid quantity is supplied. If a non-numeric value or a number greater than the maximum allowed value is entered, an error message will be displayed.

The Summary Report will capture a manual entry for this dialog as follows:

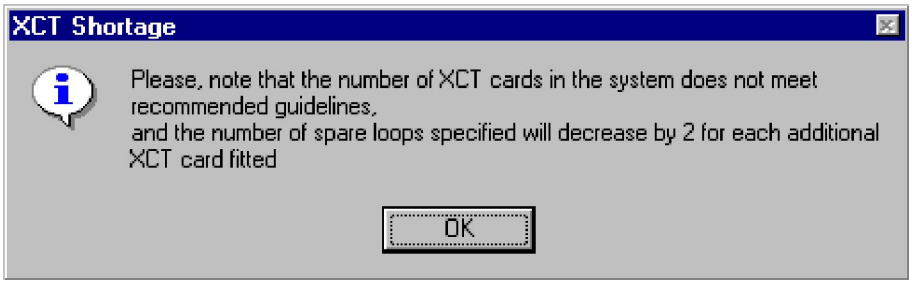
> Total number of CLASS sets on the system? =>N

Package mnemonics



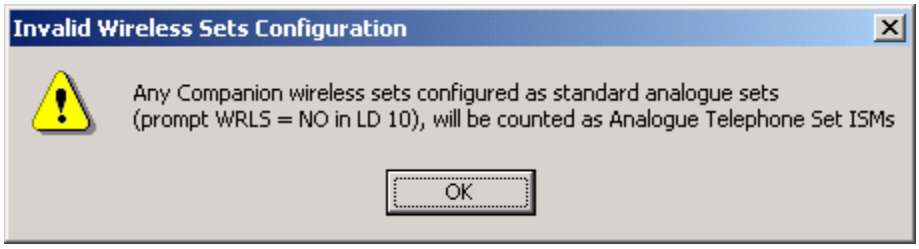
If this message is displayed, OrderPro has detected a switch running release 15 or 16 software. OrderPro is unable to associate a feature number with the mnemonic. To include it in the repackaging (your new keycode), you need to inform your regional Nortel Support prime of the feature listed.

XCT Shortage warning



This is displayed when the number of detected XCT cards in the system is below the recommended guidelines (i.e. one XCT configured per half group). If displayed, click the <OK> button to continue.

Invalid Wireless Sets Configuration warning

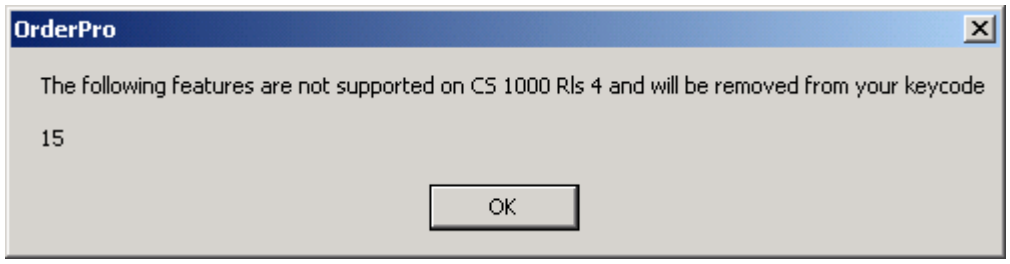


This message is displayed in the Americas only, if OrderPro detects Wireless equipment on the system and if Companion specific software feature 240 (MCMO) is missing. Such configuration are a possible source of problems during upgrades as the number of Analog and DECT (Wireless) User License provided will be incorrect. OrderPro will allocate Analogue Telephone Licenses for the Wireless units if they are miss configured (WRLS = NO), so that the data conversion part of the software upgrade will function correctly

Obsoletes Features

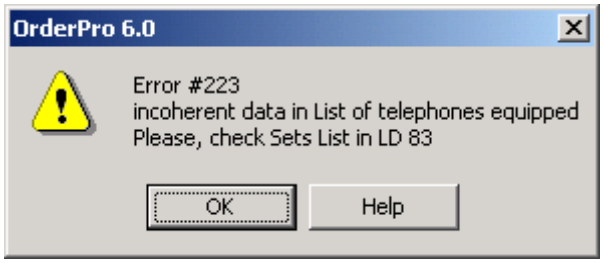
OrderPro displays the following message when it detects software features in the LOG file that are not part of the current software release feature content.

Note: Displayed features will not exist in the new software keycode.



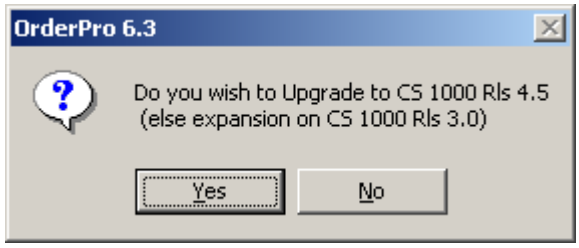
Incoherent Data

The following message indicates that the LOG file requires cleaning:



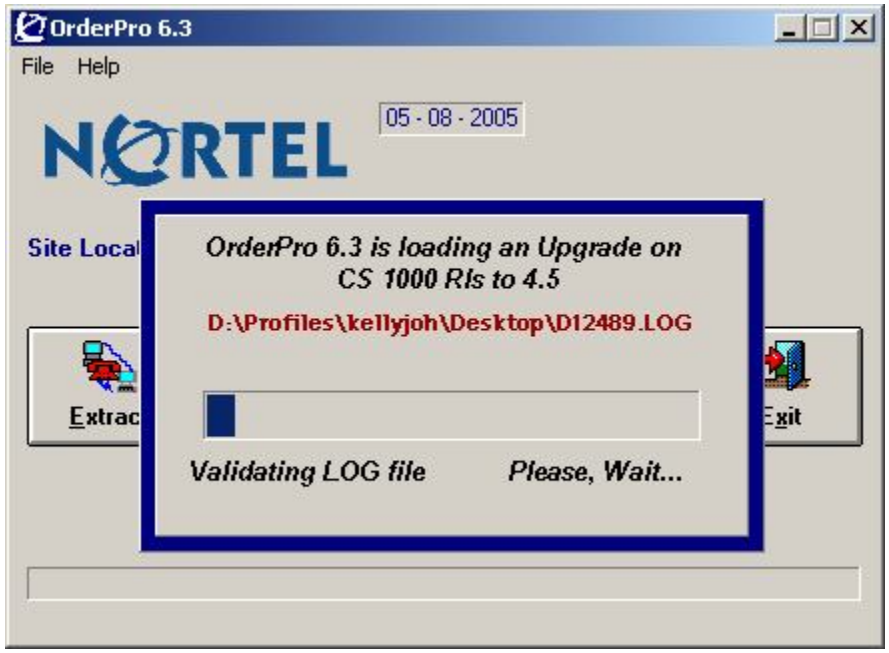
Expansion or Upgrade Confirmation for Systems on CVSD

When LOG files are loaded from systems already on the CVSD software structure but not on the current release of software, users will be promoted for the following input.



Load Process

Once all the LOG file warnings and configuration dependent questions have been answered, the Load process will commence, and the following message is displayed:



Repackaging the Software Features

During the Loading of the LOG file, each feature on the installed system is mapped to one of the following categories:

1. **Service Level Features**: These features in are included in one of the five CVSD software service levels. As each feature is detected in the LOG file it is mapped to the corresponding service level by the repackaging algorithm. The equivalent service level reported by OrderPro is the lowest service level in the CVSD structure that includes all of the features on the system. Please refer to the Product Bulletin for the current release of software for your region for details that show the features in each software Service Level, the Default and Optional features for your region.
2. **Optional Features**: These features are optional and are not included in any of the five Service levels of the CVSD structure. If OrderPro detects any of these features in the LOG file, it reports them in the OrderPro Summary Report as 'Optional Features Detected'. These features will be included in the new upgrade keycode for the system. Users in the Americas region have the option to review optional features (see 'Optional Features Removal' later in this chapter). Refer to Appendix A for sample reports.
3. **Retired Features**: These are features that are no longer supported in the new software release. If they exist in the LOG file, OrderPro displays a warning that lists the features to indicate that they are not supported and will not be included in the new upgrade keycode. These features are listed in the OrderPro Summary Report as 'Retired Features'.
4. **System Specific Features**: These are features that are dependent on the system type. They are mandatory features and are managed by Nortel during the software manufacturing stage. The features will be automatically included for each system type listed below:

System Type		System Specific Packages
Small Systems		
Nortel Meridian 1 PBX 11C - Chassis		200, 295
Nortel Meridian 1 PBX 11C Cabinet		200, 295
Nortel CS 1000M Chassis *		200, 295
* this system type will not be offered in the EMEA Region		
Nortel CS 1000M Cabinet		200, 295
Nortel CS 1000S		200, 295
Large Systems - Half Group		
Nortel Meridian 1 PBX 51C	CP3 or CP4	227, 228 & 286
Nortel CS 1000M HG	CP3 or CP4	227, 228 & 286
Large Systems – Single Group		
Nortel Meridian 1 PBX 61C	CP3 or CP4	227, 228 & 286

Nortel Meridian 1 PBX 61C	CP PII	227, 228, 286 & 368
Nortel Meridian 1 PBX 61C	CP PIV	227, 228 & 286, 368
Nortel CS 1000M SG	CP3 or CP4	227, 228, 286
Nortel CS 1000M SG	CPPII	227, 228, 286 & 368
Nortel CS 1000M SG	CP PIV	227, 228 & 286 ,368

Large Systems - Multi Group

Nortel Meridian 1 PBX 81	CP3 or CP4 with IGS	227, 228, 286 & 298
Nortel Meridian 1 PBX 81	CP3 or CP4 with FNF	227, 228, 286, 298 & 365
Nortel Meridian 1 PBX 81C	CP3 or CP4 with IGS	227, 228, 286 & 299
Nortel Meridian 1 PBX 81C	CP3 or CP4 with FNF	227, 228, 286, 299 & 365
Nortel Meridian 1 PBX 81C	CPPII with IGS	227, 228, 286, 368, 299
Nortel Meridian 1 PBX 81C	CPPII with FNF	227, 228, 286, 368, 299 & 365
Nortel Meridian 1 PBX 81C	CPPIV with FNF	227, 228, 286, 299 & 365,368

Nortel CS 1000M MG	CP3 or CP4 IGS	227, 228, 286, 298 (if 81) or 299 (if 81C)
Nortel CS 1000M MG	CP3 or CP4 FNF	227, 228, 286, 298 (if 81) or 299 (if 81C) & 365
Nortel CS 1000M MG	CP PII & IGS	227, 228, 286, 368, 299
Nortel CS 1000M MG	CP PII & FNF	227, 228, 286, 368, 299 & 365
Nortel CS 1000M MG	CP PIV & FNF	227, 228, 286, 299 & 365,368

5. **Features Not Supported in your Region**: The four categories above include all of the features that are valid in the CVSD software structure. Any feature not found in one of the four previously described software categories is reported in the OrderPro Summary Report as ‘Features not Supported in your Region’. These features will not be included in the upgrade keycode for the system. Product Management approval is required to order any non-supported features.

The Upgrade Screen

Once the loading process has run the License calculation and repackaging algorithm, the data that is generated is automatically loaded into the ***Upgrade*** screen.

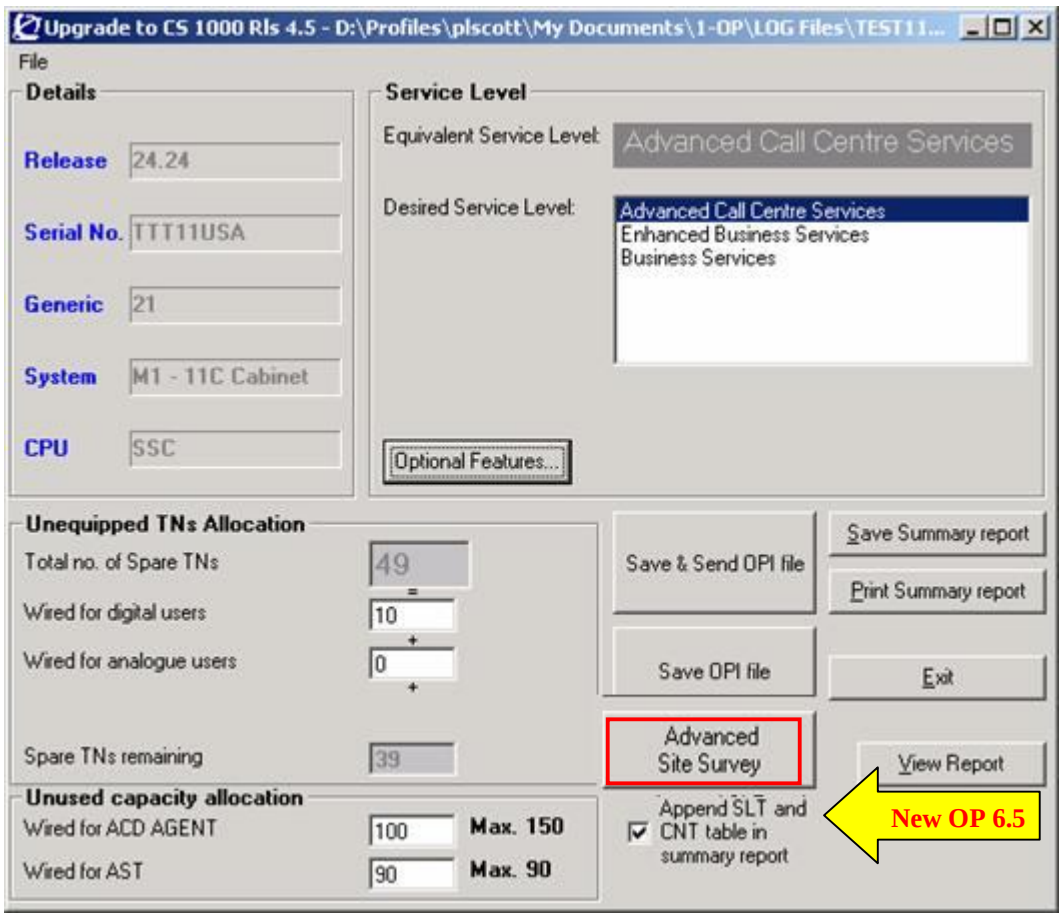


Figure 12: Upgrade Screen – TN Allocations

The ***Upgrade*** screen contains four sections:

1. ***Details:*** Displays information for the Meridian 1 system being upgraded including the existing software Release, Site ID/Serial No, Generic Value, System Type and CPU.
2. ***Service Level:*** Contains the *Equivalent Service Level* field, which displays the service level calculated by OrderPro after applying the repackaging algorithm to the list of existing software features from the LOG file. You may downgrade to a lower Service Level by selecting a lower service level in the *Desired Service Level* field. The hierarchy of service levels is included in the following table. OrderPro displays the list of existing features that are removed from the configuration if a lower service level is selected. For example, from Level 3a or Level 3b you may downgrade to Level 2. You are not permitted to downgrade from Level 3b to Level 3a. For more information on downgrading, refer to the next section of this chapter.

L4 - Premium Network Services	
L3a - Advanced Call Centre Services	L3b - Advanced Network Services
L2 - Enhanced Business Services	
L1 - Business Services	

For Americas users only, this section of the ***Upgrade*** screen also contains an <**Optional Features**> button that is used to remove software features from the upgrade. Refer to 'Optional Features Removal (Americas region)' in this chapter for further detail.

3. ***Unequipped IPE Slots or Spare TN Allocations****:* Displays the unused capacity in the system. For TN based systems the unused capacity is the amount of unused TNs on the system. For non TN based systems the spare capacity is based on the unequipped slots in the system. Users may allocate none (enter '0'), all, or any value in between of the spare capacity as either 'Wired for Digital' or 'Wired for Analogue' users. Unallocated slots are identified as the 'spare slots remaining', and Spare TN are identified by the unused TNs on the current system. The numbers of 'wired for' digital and analogue users are calculated and included in the new keycode.

   OrderPro determines automatically whether to use Spare IPE slots or Unused TN according to site location and system type. Refer to Appendix B – 'License Extraction Calculations' for further detail.

   For Americas users only, OrderPro also permits the allocation of unused capacity for CLASS users if a system has CLASS features that are being used. In these instances, users may allocate spare capacity as either 'Wired for' Digital, Analogue or CLASS users. Refer to 'Allocation of Wired for as CLASS users' for further screen details.

   Unused Capacity Allocation *(Americas only):* Users are also permitted to allocate 'Wired for' capacity for ACD Agents and AST Licenses. Refer to 'Allocation of Unused Capacity for ACD Agent and AST License' in this chapter for further details.

   The following ***Upgrade*** screen illustrates how the Spare Capacity would be reported for a non TN based system with wired for CLASS:

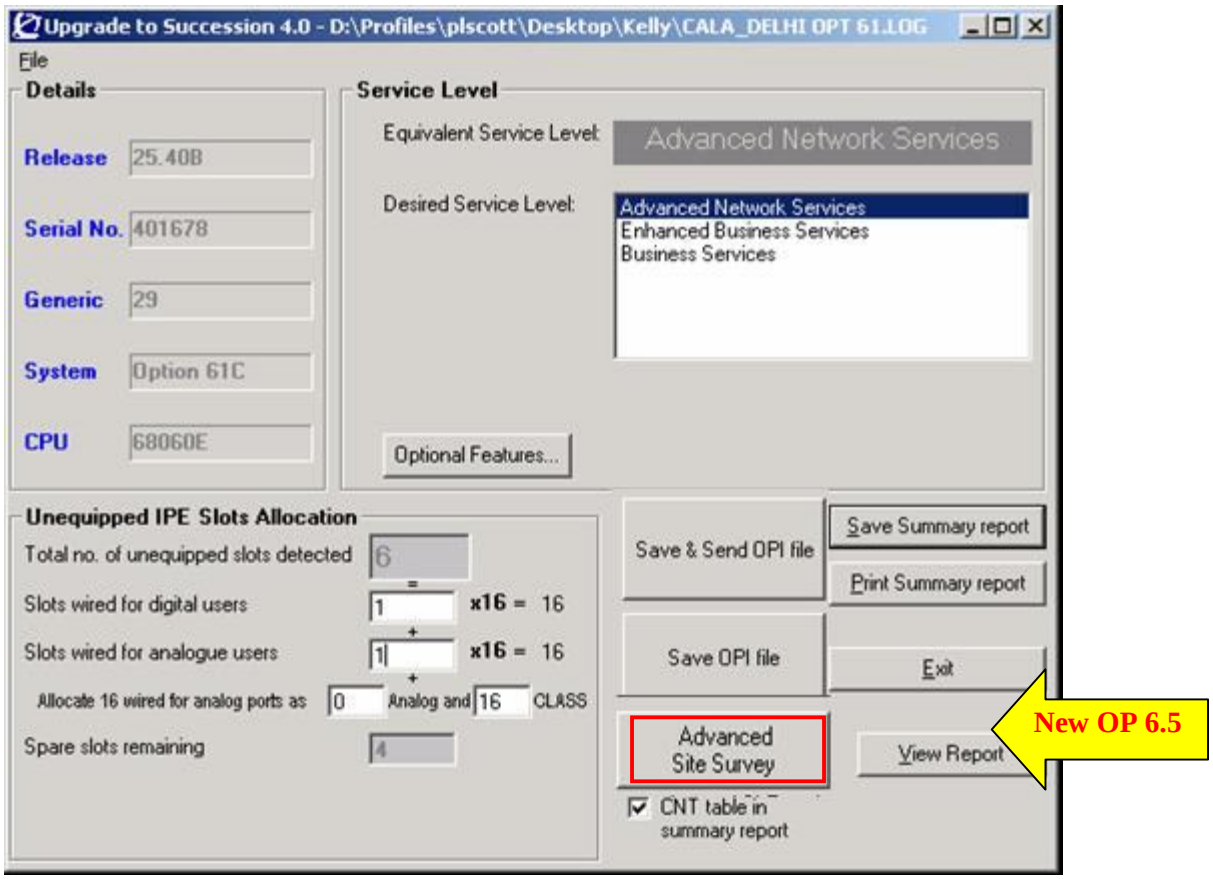


Figure 13: Upgrade Screen – Non TN Allocations

Important Note –

The spare capacity in a system is based on the current system configuration. The OrderPro user has the option to carry forward all, none or any value in between of this spare capacity to the new release.

The quantity of spare capacity carried to the new release will directly affect the cost of the upgrade, as well as the cost of all future upgrades. It is recommended that some spare capacity be carried forward for moves, changes and any known expansions. However, it is also recommended that the quantity be carefully considered with end customer input to accurately reflect system requirements.

If no spare software licenses are carried forward during the upgrade, then any future expansion would require a new keycode.

4. The ***Upgrade*** screen contains the following buttons:

- *View Report* (or *Hide Report*): Used to preview the OrderPro reports. Clicking on this button will present additional tabs for Summary or Detailed Reports. The last viewed report type within this function will dynamically determine the report type for the *Save* and *Print* buttons.
- *Save Report:* Used to generate a copy of the OrderPro Summary Report to a folder.
- *Print Report:* Used to generate a hardcopy of the OrderPro Reports.

  Note: The *Save* and *Print* buttons toggle between "Summary Report" or "Detailed Report" depending on the last tab viewed within the "View Report" function.
- *Append SLT and CNT Table in the Summary report*: when selected this option will include the LD 22 SLT and the LD 81CNT from the OrderPro LOG file at the bottom of the OrderPro Summary report. This selection makes the change for the specific LOG file being loaded. In the System Defaults, you are able to set this option on or off for all the LOG files that you load.

For EMEA and AP regions only, the following button is available:

- *Generate an Upload File for EC:* Used to generate an encrypted report file with an .opi extension for subsequent loading to EC.

For US, Canada and CALA regions only, the following button is available:

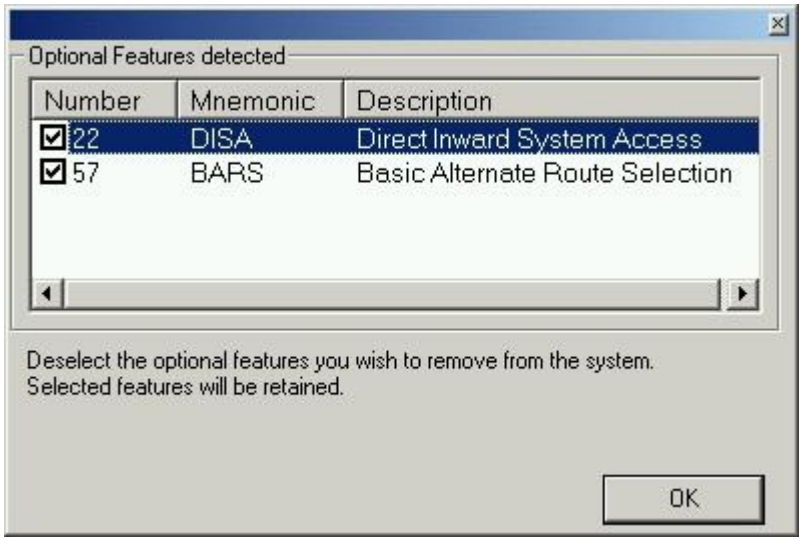
- *Save and Send OPI file*: Used to send the OPI file to Nortel using FTP and save a copy of the OPI file on the users PC. If the user is not connected to an external network, then the user will be required to send the OPI file at a later time when they are connected to the network.

Optional Features Removal (Americas region)

Optional features that are not desired with the upgrade may be removed within OrderPro in to generate a keycode that does not include these features.

Within OrderPro, an <Optional Features> button is available for Americas users under the ***Service Level*** section on the ***Upgrade*** screen under the Service Level section. This button will be disabled if no optional features are detected.

Clicking this button displays a new dialog box listing the optional features detected on the system with its mnemonic and description. By default, all software features are selected. Users can deselect the features to be removed and click <OK> to confirm.



If optional features are present, OrderPro will ensure that they are reviewed prior to saving/printing reports or saving the OPI file.

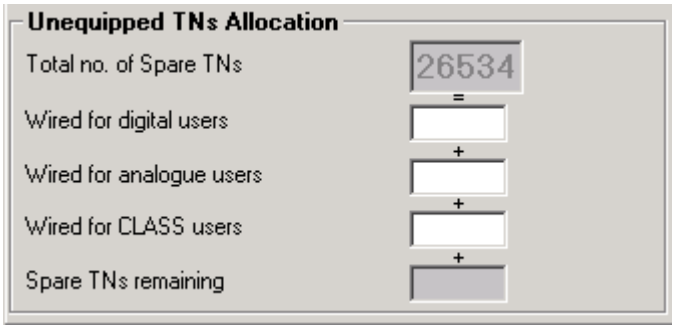
Removed features will be shown with a 'strikethrough' text effect in the Summary Report:

e.g. Optional Features detected : 22 – ~~57~~

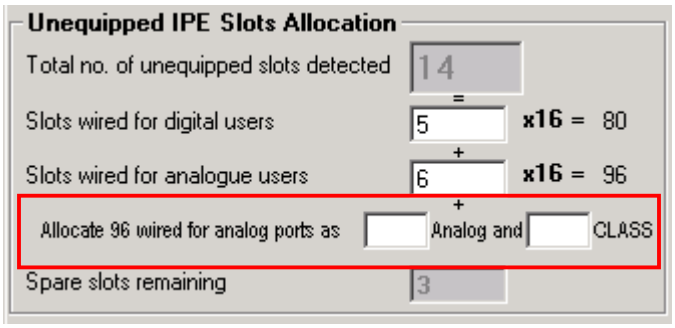
Allocation of Wired For as CLASS Users (Americas region)

OrderPro allows users to allocate 'Wired For' capacity for CLASS users if a system has CLASS features (332-NUMB, 333-CNAME) and CLASS sets are actually configured.

For TN-based systems, users are free to choose between Wired for Digital, Analog and CLASS users. (These can be left as spare TN also).



For non TN-based systems, Wired for slots must be allocated between Wired for Digital and Analog slots first (or spare). The amount of Wired for Analog users can then be allocated between Analog and CLASS users.



Visible if Wired For Analog slots > 0

Allocation of Unused Capacity for ACD Agent and AST License (Americas region)

OrderPro allows users to allocate unused capacity for ACD Agents and AST Licenses if they are being used. Whenever the configured value (i.e. sets are programmed) for either License is greater than zero, OrderPro will display a 'Wired for' allocation box with the maximum allowable ('unused') value displayed for either License. Refer to Appendix B – 'Region Specific Rules' for additional details on License rules and allowances for 'Wired for ACD Agent' and 'Wired for AST' Licenses.

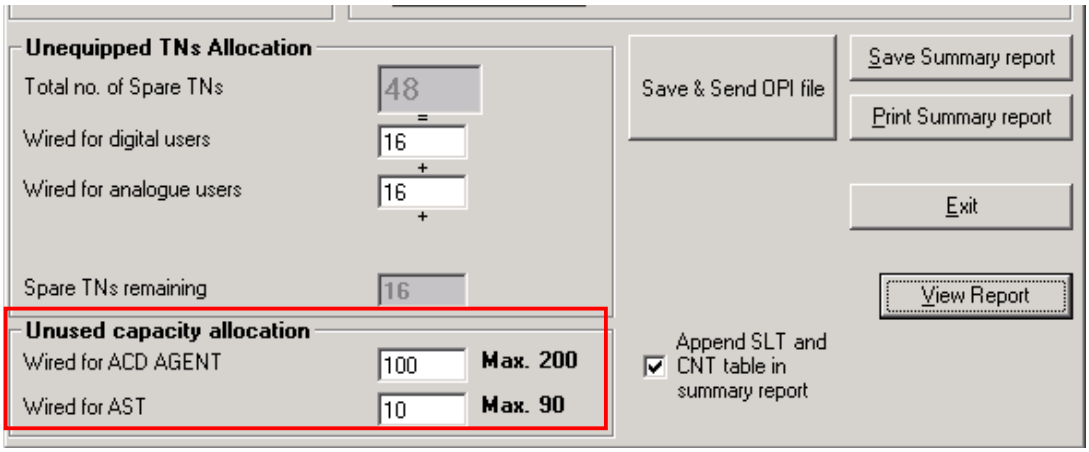
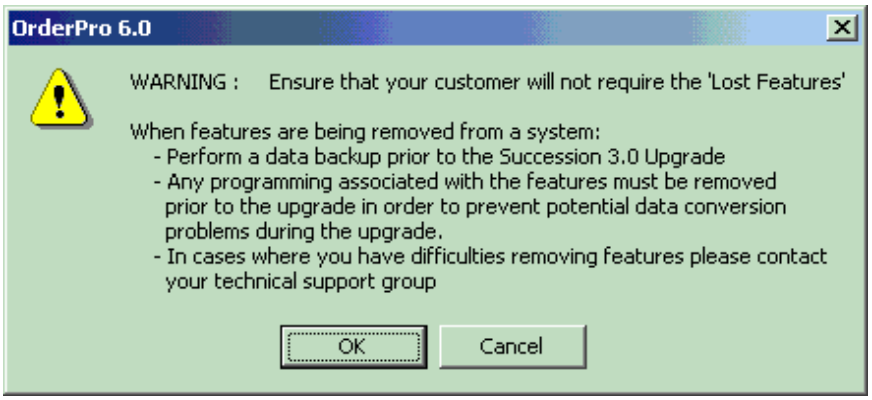


Figure 14: Upgrade Screen – Unused Capacity Allocation

Downgrading the Service Level Identified by OrderPro

OrderPro allows users to downgrade the Service Level and identifies the features that will be removed from the system keycode when a lower service level is selected.

Each time the user chooses to downgrade the software level, the following warning message will be displayed:



Features that will be removed as a result of choosing a lower service level than identified by OrderPro will be shown on the ***Upgrade*** screen under "Lost Features".

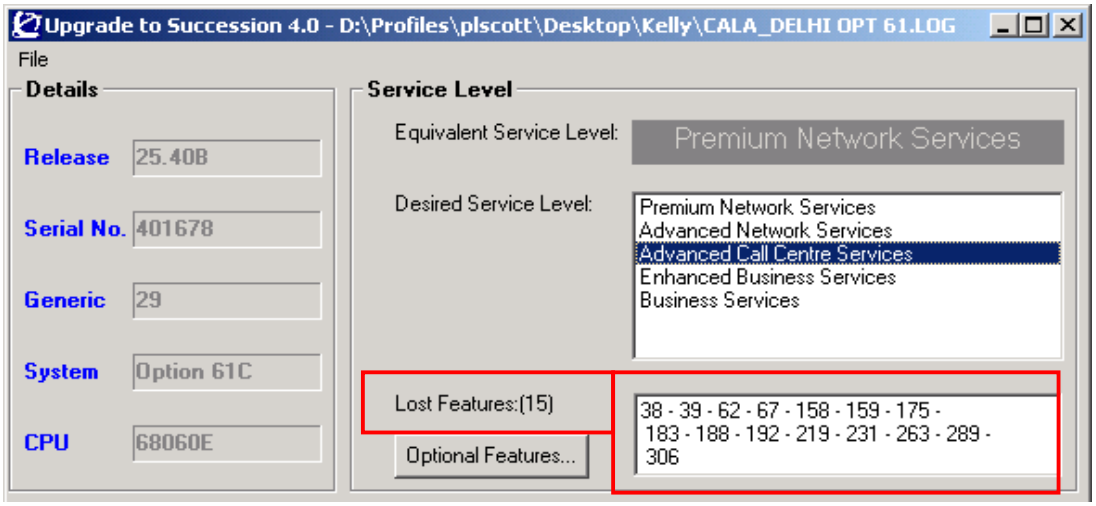


Figure 15: Upgrade Screen – Lost Features

New OP 6.5

M1 Large System Coordinate Setting – Site Survey Support for EC

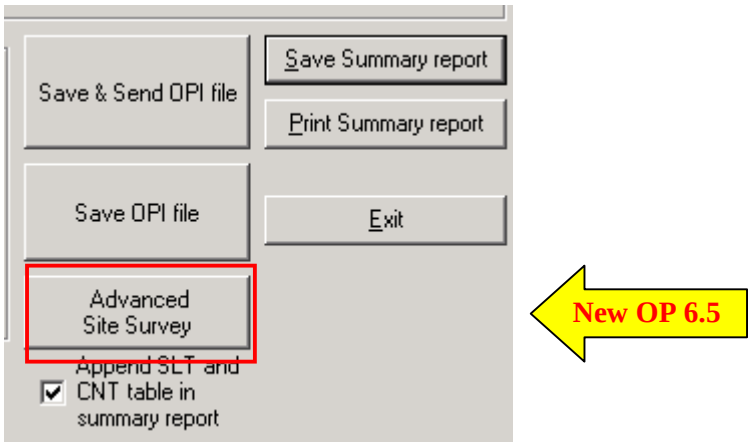
OrderPro 6.5 introduced the "Advanced Site Survey" button which allowed users to manually set the Row/Aisle – Col/Rack – Tier/Shelf coordinates for all the modules on a large Meridian 1 system and to choose the CoreNet group housing the CPU.

This ability allows a more complete Site survey OPI file that can be used to automatically populate in Enterprise Configurator (EC).

Users may choose not to use the new interface prior to creating the OPI file as EC also permits module placement.

The site survey functionality is accessed by selecting the <Advanced Site Survey> button on the ***Upgrade Screen*** after loading a LOG file or from the option menu in the ***Upgrade Screen*** (only available for Meridian large systems).

Note: This functionality is available for Core, CoreNet, Network and IPE Modules. EEPE, Applications and Disconnected Modules are not supported.



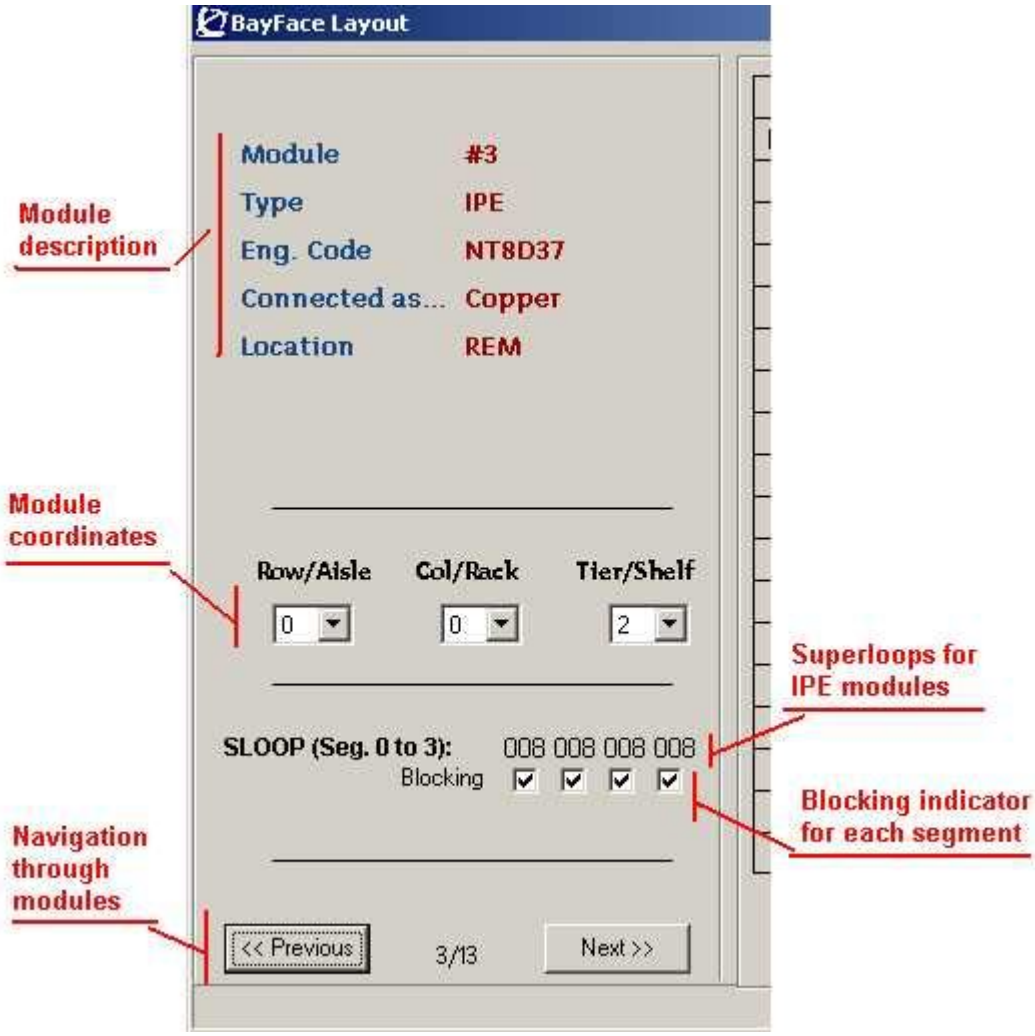


Figure 16: Bayface Layout - IPE Module

Blocking/non-blocking Superloops: By default, superloops controlling more than 2 segments are set as blocking (box ticked). The user can modify the default value by checking/unchecking the boxes.

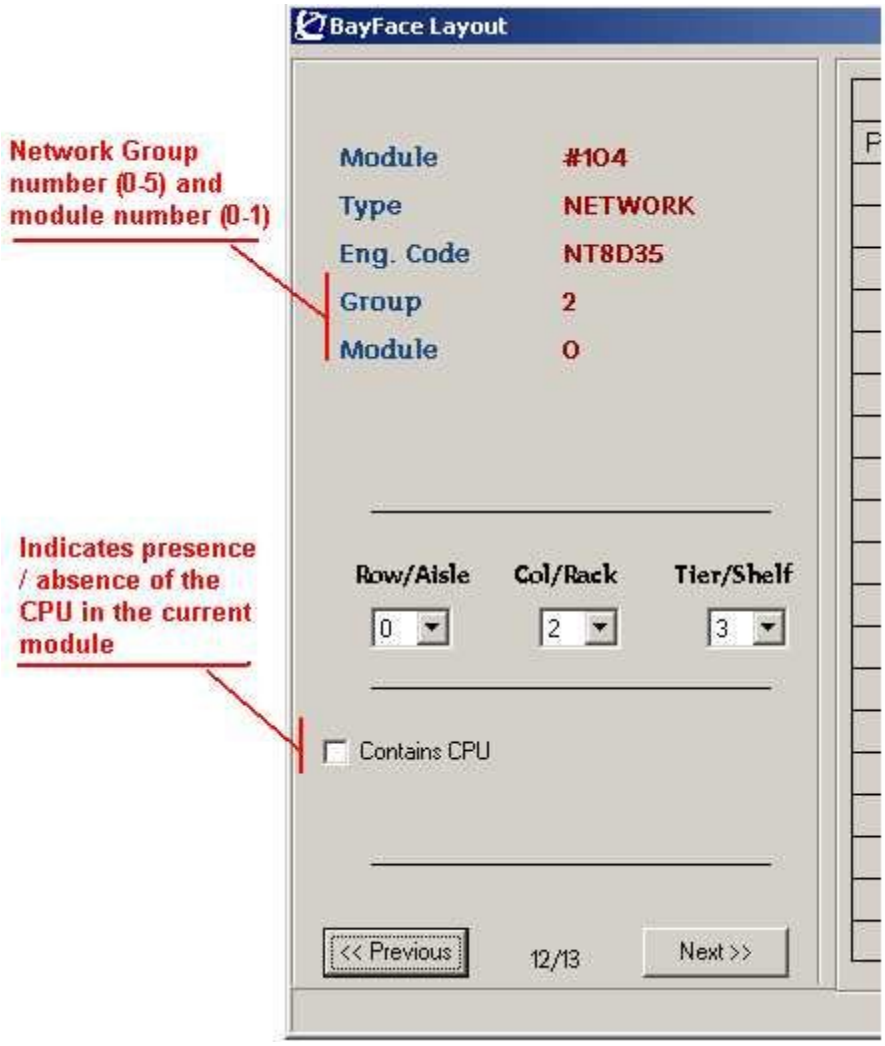


Figure 17: Bayface Layout - CORENET Module

Deselect **"Contains CPU"** box automatically set first available Group with CPU staring at Group 0

Select **"Contains CPU"** box automatically set current Group with CPU and deselect the other.

Advanced Site Survey – View and Adjust Card Slot Details

New EC 6.6 !

The Advanced Site Survey functionality in OrderPro 6.6 allows the user to refine the Site survey details in OrderPro, encrypt them in the OrderPro OPI file so that they can be loaded and auto-populated in the EC Site Survey. The Advanced Site Survey section in OrderPro is Optional.

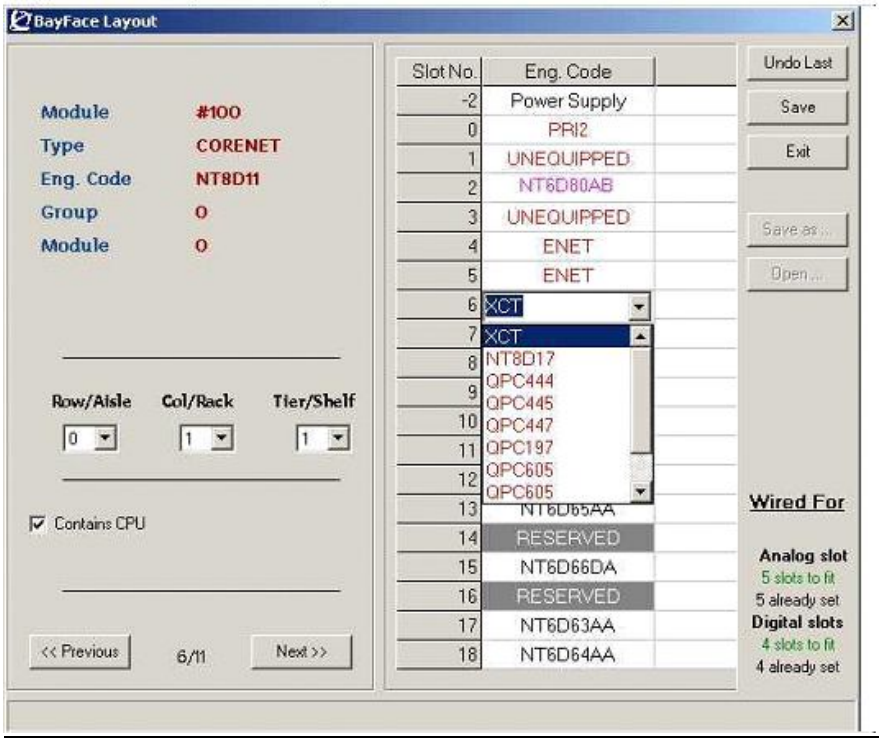
OrderPro 6.6 the Advanced Site survey functionality has been enhanced to allow the EC user to view and adjust the card slot details for Meridian 1 Large systems, CS 1000E, CS

1000S and MG 1000T ands MG 1000B system types using the Advanced Site Survey button.

When the "Advanced Site Survey" option is selected for a Large Meridian 1 system – you are able to adjust the Row/Col/Tier details on the left of the screen as you could in OrderPro 6.5, and on the right side of the screen the Bayface Layout section allows the user to view and adjust the card slot layout of the system as read by OrderPro from the system..

Similar screens to those shown below are now available in OrderPro 6.6 for all the system types listed above.

Large Meridian 1 (or CS1000M) - CoreNet



Cards in Red:

Cards identified with a mnemonic by OrderPro come with a drop box list of all likely cards for this mnemonic (the same list of likely cards as is listed in EC). It is also possible for the user to enter free text in the card slot.

Cards in Orange:

MSDL cards detected in a network group are positioned in the first slots available in the 2 modules of the group. Users may have to move them from a given position to another free slot.

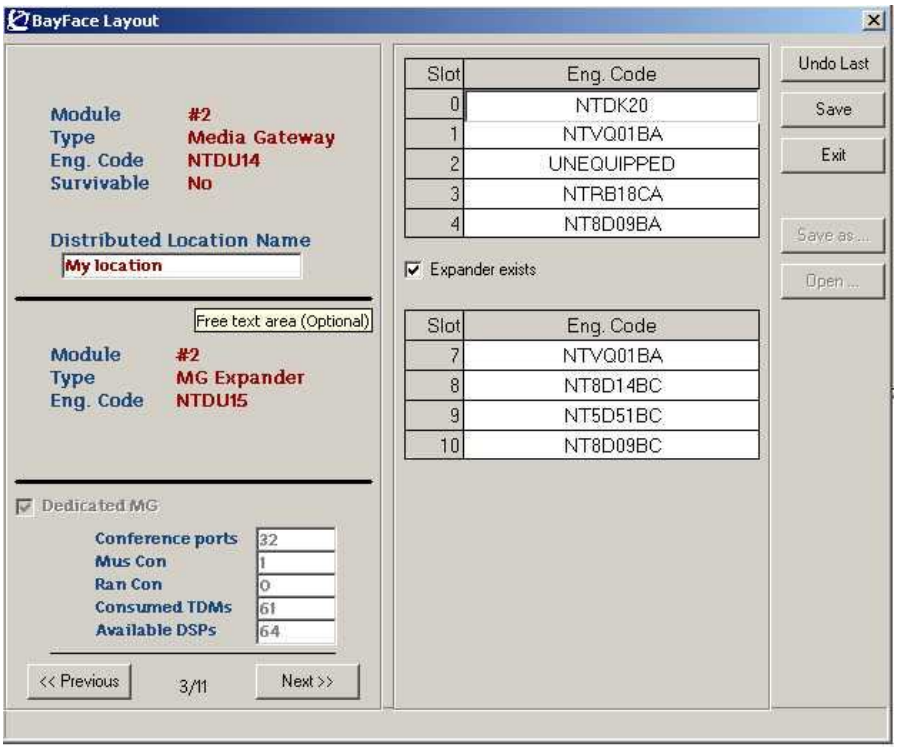
WiredFor slots selected by the user in the Result Screen are positioned in the first slots available in the IPE Shelves (starting with WF Analog, then WF Digital, then spare slots). Users may have to move them to a given position to another free slot. On the bottom right

corner of the screen, a counter reminds the user of what is yet to be adjusted based on the Result screen entry. If the number of Wired For slots configured on the bayface layout is different to what's in the results screen then the line in green changes to red.

Combo box is used to propose a list of likely choices for the user for certain cards. User can also key in a free text

Textbox is used for all cards so that users can key in a free text to modify OrderPro entry.

CS1000E - Media Gateways with Expander



Dedicated Media Gateways for CS 1000E systems

OrderPro determines whether Media Gateways are configured with dedicated resources.

If dedicated, then Conf. Ports, MUS CON, RAN CON, TDM and DSP information is displayed, "Dedicated MG" is ticked. This new information gathered with OrderPro 6.6 is included in the OPI Site Survey file and will be auto-populated in EC.

OrderPro 6.5 Log files for CS 1000E systems will not include this information. If an OrderPro 6.5 LOG file for a CS 1000E system is loaded into OrderPro 6.6 – this information will indicate 0 and can be manually populated using the Advanced Site Survey option in OrderPro 6.6.

In some cases, it is possible to overwrite OrderPro findings – The "Dedicated MG" checkbox is then enabled and ticking the box hides/displays the 5 values which can be set manually by the user.

Note: this feature is only available for CS1000E systems

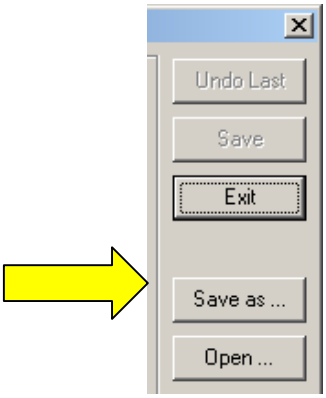
Advanced Site Survey – Save & Load Site Survey Configuration

New EC 6.6 !

In OrderPro 6.5, the detailed site survey information (row/col/tier) must be re-entered each time the LOG file is re-loaded as it is not saved.

OrderPro 6.6 allows users to save the detailed Site survey work (including all the new changes to Site survey in EC 6.6) and to re-load it as required.

Two new buttons (<Save as…> and <Open>) are added to the ***Advanced Site Survey*** screen in OrderPro 6.6 to save Site Survey files and to load them as required.



The format of the Site Survey file is an MDB file (MS Access file) and users are prompted to save it using a default file name which is "SiteSurvey_" + *SerialNo* + ".mdb"

The <Save> and <Undo Last> buttons are enabled once a change has been made.

The <Save> button stores changes in the database after ensuring there are no duplicated coordinates. The detailed report is then updated in the Results Screen.

The <Undo Last> button resets the layout to the last “saved” layout.

The <Save As...> button saves the current customized Layout in a separate database file (Backup). It is enabled once all changes in the current configuration are saved.

The <Open...> button loads a previously saved Layout database file.

Generating and Using OPI Files

Depending on which region you have selected for your site location, the button on the ***Upgrade*** screen in OrderPro to generate and save the OPI file will be either:

Save & Send OPI File & **Save OPI File** – For the Americas Region

Generate an Upload file for EC – For Europe, Asia Pacific and Greater China Regions

Generating OPI Files in the Americas

When the Save & Send OPI File button is selected, the OPI file is generated based on the information found in the Summary and Detailed Reports. The ‘wired for’ values on the ***Upgrade*** screen must contain a numeric value. If the ‘wired for’ values on the ***Upgrade*** screen are not completed, OrderPro displays a message asking that you complete these fields. If no ‘wired for’ values are desired, simply enter ‘0’ for the values.

OrderPro will confirm where the user would like to save the OPI file on the PC. OrderPro opens the default directory as specified in the ***System Defaults*** screen.

OPI File Name Format (Americas region only)

OrderPro will automatically name the OPI file as follows and does not allow the user any option to change the OPI file name. The Nortel systems are expecting and will validate for an OPI filename in the OrderPro format:

Serial#_date_time.OPI , where:

Serial#: is the Serial number of the system, and where any characters are capitalized

Date: in the format **ddmmyyyy** as read by OrderPro from LD 2 during the LOG file extraction

Time: in the format **hhmm** from the PC time clock. **New for 6.5**

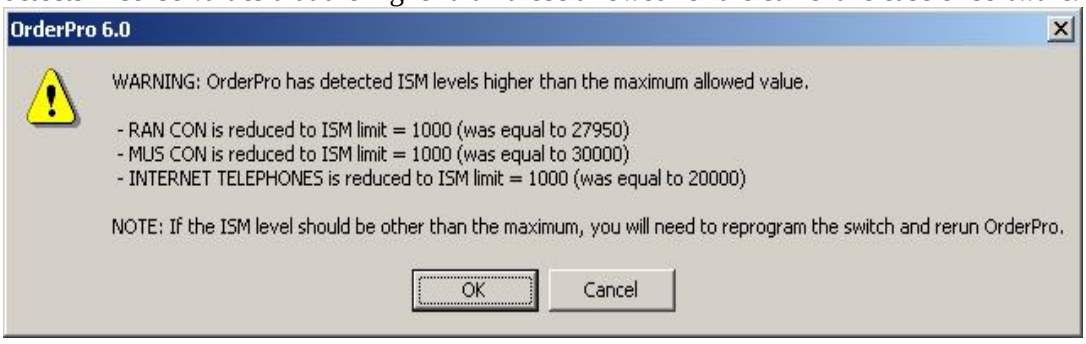
Note: In all previous versions of OrderPro, **hhmm** was read by OrderPro from LD 2 during the LOG file extraction, or, if corrupted information was present, then OrderPro used the PC date and time from the first line of the LOG file, which it always inserts before starting an extraction.

Note that the time stamp change introduced with OrderPro 6.5 ensures that OPI files are uniquely named every time that a LOG file is loaded and an OPI file is saved. With previous versions of OrderPro, OPI files were overwritten when using the same LOG file.

License Maximum Limit Check (Americas region only)

When saving a Report or the OPI file, OrderPro performs a validation on all the specified License values against the allowable License limits. Refer to Appendix B for additional details by system type.

When all Licenses have been checked, OrderPro displays the following message when it detects License values that are higher than those allowed for the current release of software.



Note: OrderPro will automatically reduce the License value to the allowable maximum for a given License parameter. If the License value should be set at a level other than the maximum, users must reprogram the switch and then rerun OrderPro.

The Summary Report will capture a manual entry for this dialog as follows:

Reduce License value to License limit?

=> RAN CON is reduced to License limit = 1000 (was equal to 27950)

=> MUS CON is reduced to License limit = 1000 (was equal to 30000)

=> INTERNET TELEPHONES is reduced to License limit = 1000 (was equal to 20000)

Sending OPI Files to Nortel (Americas region only)

Note: The requirement for sending OPI files to Nortel and the functionality with OrderPro 7.0.x has changed pertaining to this entire section. Refer to 'Using OPI Files' following this section and reference Appendix I, OrderPro 7.0.1 Release Notes for additional clarification and update.

OrderPro automatically attempts to send the OPI file to Nortel (OrderPro 6.6.x only)

Once OrderPro has saved the OPI file in the designated directory it opens the built-in FTP application and attempts to automatically send the OPI file to a Nortel server. If the file transfer is successful the user will receive a message indicating a successful transmission.

If the file transfer fails (PC is not connected to the internet, Server down, FTP connection can not be made, etc.), OrderPro will display the Warning Message "OPI file has not been sent to remote server". Users must re-load the LOG file once connected to the internet or send it using alternate methods.

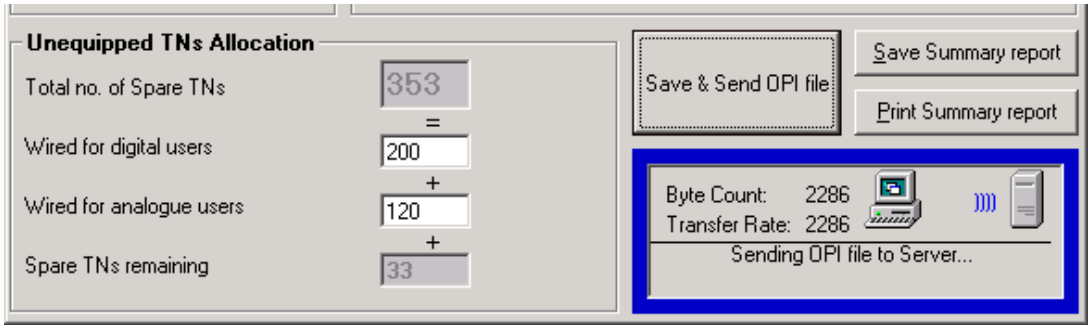
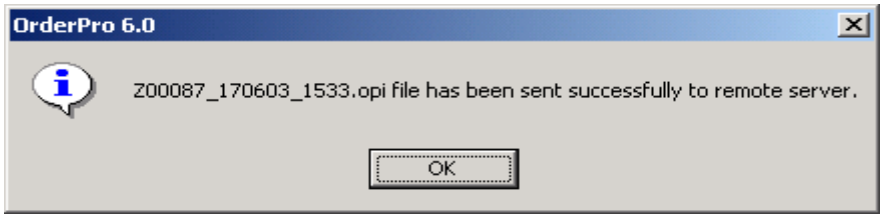


Figure 18: Upgrade Screen – OPI File Transfer in Progress

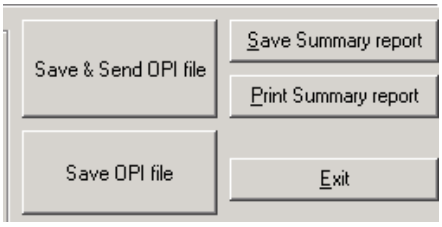
When the file transfer is successfully completed, the following message is displayed:



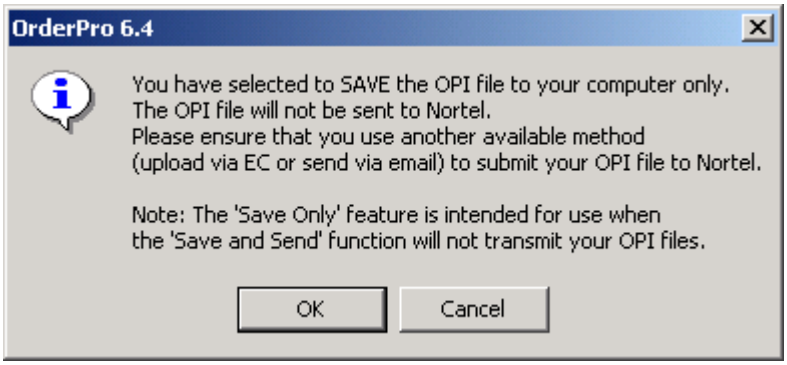
If a user is connected to the network and the FTP transfer fails, try selecting the "Passive FTP" option in the ***System Defaults*** screen and repeat the transfer operation.

Note: OrderPro defaults to operate in the Active FTP Transfer mode, but some company security policies may restrict such operation). If the problem persists, it may be a result of local firewall restrictions. Please contact your local technical support or use an alternate option for sending OPI files

Save OPI File only



An alternate 'Save OPI File' only button is provided for users who are not able to successfully send OPI files due to local firewall restrictions. When the 'Save OPI File' button is selected, the OPI file is generated and saved but it is not transmitted to Nortel. Users are reminded of the requirement to send the OPI file to Nortel via the following warning message:



Send OPI files to Nortel using EC

If a user is unable to transfer files using the built-in FTP function in OrderPro, they can use the 'Upload OPI File' link in EC (on the left hand menu under Related Links). An error message will be displayed if a user attempts to transfer anything other than a file with an .OPI extension. Users will receive a status message once the file transfer is completed.

Send OPI files to Nortel using Email

A third option is available to send OrderPro OPI files to Nortel. Users may email one or more OrderPro OPI files as attachments to Nortel at: OPIupload@nortel.com

To utilize this option users should first attempt the "Save and Send" feature in OrderPro. Note that the "Save" part of the instruction will place a copy of the OPI file on your local PC. Users can then attach the OPI file to an email and send to the address shown above.

All OPI file submissions will receive an automatic email acknowledgement to confirm receipt (sent to the email address supplied in the user details section of the ***System Defaults*** screen).

Email submissions of OPI files are fully automated and thus, no responses to questions or comments included with the attached OPI files are generated or recorded.

Using OPI Files

Using OPI Files in the Americas

Previously, users were required to load their OPI files into EC, and to send the OPI files to Nortel for any Rls 15→ 25 upgrade to current quotes that they ordered.

Effective March, 2007 it is no longer required to send OPI files to Nortel when placing Rls 15 →25 upgrade orders to Rls 4.5 or higher, with the following exception:

- Federal DSN software upgrade orders to Rls 3.0 that are quoted in EC or not

New for 7.0

For the DSN upgrade described above, OPI files should be sent direct to Nortel Order Management when PO's are placed.

See Appendix I, OrderPro 7.0.1 Release Notes for additional information.

Using OPI Files in EMEA, Asia Pacific and Greater China (FBP regions)

When the 'Generate an Upload file for EC' button is selected, the OPI file is generated based on the information found in the Summary Report. If the 'wired for' values on the ***Upgrade*** screen are not completed, OrderPro will display a message asking that you complete these fields. If no 'wired for' values are desired, simply enter '0' for both Analogue and Digital 'wired for' values.

OrderPro will confirm where you would like to save the OPI file.

Once created, the OPI file can be uploaded into EC.

Using OPI Files for Site Survey Support - Global

OrderPro supports Site Survey export into EC for large and small systems in all regions with the OPI file. This includes Nortel Meridian 1 and CS 1000M systems supporting IPE modules NT8R37 with the exception of Option 21, 21A and 21E release 15 and later systems.

Note: When the site survey information is present in an OrderPro LOG file, it will be included in the OPI file when loaded into OrderPro and users will receive the enhanced Detailed Report in OrderPro.

OrderPro 6.5 and later is capable of obtaining the site survey information for all system types. If a LOG file does not contain the Site survey information, users will receive warning messages. Refer to the 'Site Survey Warnings – Large Systems' dialog boxes in this chapter.

LOG files from the following minimum releases are required for certain system types since they contain additional data capture for these system types in support of the automated site survey feature in EC. LOG files generated with OrderPro versions

before the release indicated will not permit auto-population of the particular system types in EC 6.6 or the IPE and CoreNet Detailed report in OrderPro 6.6.

	OP Log File will contain
OrderPro 6.3 & 6.4	All system types except: • MG 1000T • MG 1000B • CS 1000E
OrderPro 6.5.x (Apr. 06)	All system types.
OrderPro 6.6 & 7.0	All system types *****

- **NOTE**: OP 6.6 gathers additional information for CS 1000E systems , that is not gathered in OP 6.5.0
- **NOTE:** EC 6.6 is able to auto-populate the Site Survey for all system types – provided the data for the Site survey is in the OPI file.

For expansions on systems already running Succession 3.0 or later software, an OPI file can be generated with the hardware layout. When OrderPro detects CVSD or FBP software, the following changes occur on the ***Upgrade*** screen by region:

- **For the Americas**, the 'Save and Send' button is renamed 'Save & Send Site-Survey file only'.
- **For Europe and Asia Pacific**, the 'Generate an Upload file for EC' button is renamed 'Generate Site Survey only file for EC'.

For OPI files generated for site surveys, the enabled and consumed values for each License are reported in the OPI file for support purposes.

Where spare slots are allocated between Analog and Digital slots, OrderPro automatically replaces the Unequipped slots with a CARD Name = 'W_F_Anal' and 'W_F_Digi' in the hardware layout. This functionality is not applicable for TN based systems.

A
Reporting

This chapter describes how to use the OrderPro application to generate reports. It contains the following sections:

- Generating Reports
- Overview of Reports

Generating Reports

OrderPro generates both Summary and Detailed Reports, and displays report output at the bottom of the ***Upgrade*** screen, by clicking on the View Reports button on the ***Upgrade*** screen.

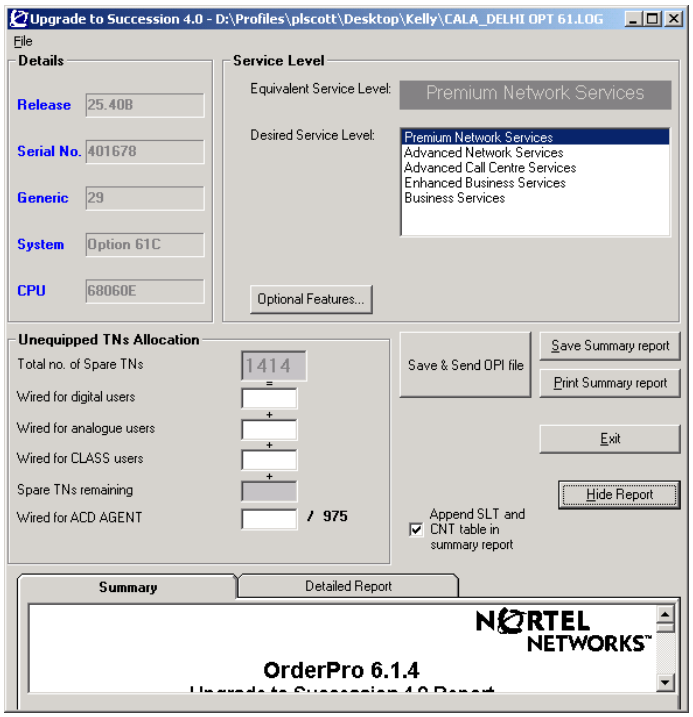


Figure A-1: Upgrade Screen – Report Menu Options

The reports can be saved to a file or printed using the <Save Summary Report> or <Print Summary Report> buttons or by using the equivalent options in the File Menu.

Overview of Reports

The OrderPro Reports provides information under the following headings:

OrderPro Summary Report Overview

The OrderPro Summary report includes the following information – and is available for upgrades to CVSD or when run on a system already on a CVSD release of software.

Report header: Provides details of the report date, LOG file extraction date, the site location selected, user email address, the dongle IDs and the LOG file name. Additionally, the OPI file name is included on the Summary Report.

Report Date	**:**	**31-08-2006**
Extraction Date	**:**	**03-08-2006**
Site Location	**:**	**US**
Email Address	**:**	**user@domain.com**
LOG File Name	**:**	**D:\Profiles\\Desktop\61C.LOG**
OPI File Name	**:**	**No OPI file saved**

System information: Provides a summary of the system details including the system type, serial number, Aux ID, memory processor and the upgrade Quantity.

System

```
System Type  :     M1 - 61C
Serial Number:     D14373
Aux ID    :        N/A
Generic   :        2511
Release   :        25.08
CPU Memory:        80 M-Bytes (DRAM:48 Flash:32)
CPU Processor:     68060 NT5D10
Media Type:        CD ROM
Software Type:     Commercial
Total Upgrade Quantity:  920
```

The upgrade Quantity is included in the Americas reports and represents the total number of users being upgraded to the new release.

Upgrade Quantity = Total Analogue User License

+ Total Digital User License

+ Total CLASS User License

+ Internet User License

+ DECT User License

The upgrade Quantity is an important value since it is required for the Upgrade purchase order in the Americas.

Equipped Licenses - details the values calculated by OrderPro for the Service Licenses and System Licenses. In the CVSD Structure, several of the License increments are sold in units of 8. For any License sold in increments of 8, OrderPro will round up calculated values to the nearest 8 for the equivalent number of that License type.

Licenses

Service Licenses:

```
Total Digital user License                  :240    (Configured + 'Wired for')
Total Analogue user License                 :680    (Configured + 'Wired for')
DECT user License                           :0      (All sets configured WRLS =
YES + unconfigured)
ACD agent License                           :20     (Purchased quantity or
Default of 10)
Total CLASS user License                    :0      (Configured + 'Wired for')
IP user License                             :0      (Purchased quantity)
Basic IP user License                       :0      (Default value)
```

System Licenses:

```
RAN CON License                             :0      (Purchased quantity)
MUS CON License                             :0      (Purchased quantity)
ITG2 Trunks License                         :0      (Default value)
Survivable License                          :0      (Default value)
Personal Call Assistant License             :0      (Purchased quantity)
H323 Access Port License                    :0      (Purchased quantity)
AST License                                 :1      (Purchased quantity or
Default of 1)
SIP Access Ports License                    :0      (Default value)

(Analog phantom ports count                 :0)
(Digital phantom ports count                :0)
```

- **Service Licenses:**

For Americas:

Total Analogue User License = Configured Analog Licenses + Wired for Analogue - will be rounded up to the nearest value divisible by 8

Total Digital User License = Configured Digital Licenses + Wired for Digital - will be rounded up to the nearest value divisible by 8

Total CLASS User License = Configured CLASS Licenses + Wired for CLASS - will be rounded up to the nearest value divisible by 8

For Europe and Asia Pacific:

Digital User License - rounded up to the nearest value divisible by 8

Analogue User License - rounded up to the nearest value divisible by 8

For all regions:

CLASS User License - rounded up to the nearest value divisible by 8

Internet User License - rounded up to the nearest value divisible by 8

DECT User License - rounded up to the nearest value divisible by 8

ACD Agent License - a minimum of ten will be provisioned

- **System Licenses:**

ITG Trunk Licenses - will be rounded to the nearest value divisible by 8

IP Peer H323 - new License

RAN Con - consumed value will be provisioned

MUS Con - consumed value will be provisioned

AST - a minimum of one will be provisioned

Wired for Licenses - the amount of unused capacity that is being carried forward to CS 1000 Release 4.0 or later

Wired for Licenses

```
Wired for digital user License     :     0
Wired for analogue user License    :     0
```

Software Features: Lists the equivalent service level as calculated by OrderPro (reported as 'detected'), the desired service level (will be the same as the detected unless a lower level was chosen by the user), the optional features, system specific features, retired features and the features not supported for the site location selected.

Software Features

```
Detected Service Level                 : Advanced Network Services
Desired Service Level                  : Advanced Network Services
Optional Features detected             : 22 - 57
System Specific features               : 227 - 228
Retired features                       : 15 - 383
Features not Supported in your Region  : 0
Features removed (when downgrading)    : 0
Addition(s) with Desired Service Level : 26 - 27 - 42 - 43 - 51 - 56 - 79 - 86
- 99 - 100 - 101 - 102 - 103 - 105 - 120 - 125 - 129 - 150 - 151 - 152 - 153
- 154 - 158 - 159 - 161 - 163 - 172 - 179 - 180 - 183 - 184 - 185 - 202 - 206
- 208 - 209 - 210 - 212 - 215 - 216 - 218 - 233 - 235 - 259 - 315 - 324 - 327
- 328 - 330 - 331 - 332 - 333 - 351 - 362 - 364 - 380 - 381 - 382 - 384 - 385
- 386 - 387 - 394 - 397 - 398 - 399 - 400 - 401 - 406 - 407
```

Remote Site Information

Remote Site Information

```
Existing Number of Remote sites  :      4

Site Text   Existing Number    Fiber/Carrier
            of Spare Slots     Remotes
PECQ        4                  CARR
VILBON      4                  CARR
DENIS       4                  CARR
CARR4       0                  CARR
```

New EC 6.6 !

Card port usage (MSDL, DTR, MISP, SDI, DCHI). The card port usage is reported in OrderPro 6.6 in a new section of the Summary Report for Large Meridian 1, CS1000M and CS1000E systems.

[…]

Port usage on Network Equipment

Number of available ports on MSDL card: 3 (1 card(s))
Number of available ports on DTR card : 0
Number of available ports on MISP card : 1 (1 card(s))
Number of configured ports on SDI card : 0
Number of configured ports on DCHI card: 0

Manual Entries – manual entries that were made are reported – examples below.

Manual Entries

```
Is remote shelf #4 on superloop 004, indicated by text 'PECQ', a single
wall mounted cabinet (Option 11 type)The answer will impact how the remote
site is represented on the detailed reportand the number of unequipped
slots calculated when upgrading.
=> YES
Is remote shelf #20 on superloop 020, indicated by text 'VILBON', a single
wall mounted cabinet (Option 11 type)The answer will impact how the remote
site is represented on the detailed reportand the number of unequipped
slots calculated when upgrading.
=> YES
Is remote shelf #32 on superloop 032, indicated by text 'DENIS', a single
wall mounted cabinet (Option 11 type)The answer will impact how the remote
site is represented on the detailed report and the number of unequipped
slots calculated when upgrading.
=> YES
Reduce License value to License limit ?
=> ACD AGENTS is reduced to License limit = 32760 (was equal to 32767)
```

Existing Switch Data: Lists the LD 22 SLT and LD 81 CNT raw data – if the option “Report SLT and CNT Table is activated” on the System default page.

Existing Switch Data

LD 22 SLT:

ANALOGUE TELEPHONES	40	LEFT	7	USED	33	
CLASS TELEPHONES	0	LEFT	0	USED	0	
DIGITAL TELEPHONES	272	LEFT	11	USED	261	
WIRELESS TELEPHONES	0	LEFT	0	USED	0	
INTERNET TELEPHONES	16	LEFT	10	USED	6	
WIRELESS VISITORS	0	LEFT	0	USED	0	
ACD AGENTS	40	LEFT	12	USED	28	
PCA	16	LEFT	16	USED	0	
ITG ISDN TRUNKS	0	LEFT	0	USED	0	
IP PEER H.323 TRUNKS	10	LEFT	0	USED	10	
AST	1	LEFT	1	USED	0	
RAN CON	10	LEFT	10	USED	0	
MUS CON	10	LEFT	10	USED	0	
SURVIVABILITY	2	LEFT	0	USED	2	
TNS	2500	LEFT	1956	USED	544	
ACDN	300	LEFT	288	USED	12	
AML	16	LEFT	16	USED	0	
LTID	0	LEFT	0	USED	0	
RAN RTE	500	LEFT	500	USED	0	
ATTENDANT CONSOLES	2500	LEFT	2496	USED	4	
BRI DSL	150	LEFT	150	USED	0	
MPH DSL	100	LEFT	100	USED	0	
DATA PORTS	2500	LEFT	2500	USED	0	
PHANTOM PORTS	2500	LEFT	2428	USED	72	
TRADITIONAL TRUNKS	2500	LEFT	2408	USED	92	
DCH	80	LEFT	76	USED	4	
TMDI D-CHANNELS	64	LEFT	64	USED	0	

LD 81 CNT:

FEAT	CUST		TOTAL	SL1	500	2500	3000	2000	3900	ISET	DCS	PCA
ACD	00	CNT	28	0	0	0	0	0	23	5	0	0
SETS	00	CNT	372	0	0	105	0	0	261	6	0	0
DTA	00	CNT	0	0	0	0	0	0	0	0	0	0
VCE	00	CNT	372	0	0	105	0	0	261	6	0	0
VMA	00	CNT	0	0	0	0	0	0	0	0	0	0
AGTA	00	CNT	0	0	0	0	0	0	0	0	0	0
DCFW	00	CNT	72	0	0	72	0	0	0	0	0	0
WRLS	00	CNT	0	0	0	0	0	0	0	0	0	0
FLXA	00	CNT	0	0	0	0	0	0	0	0	0	0
CNUA	00	CNT	0	0	0	0	0	0	0	0	0	0
CNUS	00	CNT	0	0	0	0	0	0	0	0	0	0
CNAA	00	CNT	0	0	0	0	0	0	0	0	0	0

Phantom Count: The number of Analog phantom and Digital phantom units will be displayed in the Summary report when the operation is an upgrade TO a CVSD release from a pre-CVSD release

OrderPro Detailed Report Samples

The OrderPro Detailed report contains the following information:

Report header: Provides details of the report date, LOG file extraction date, the site location selected, user email address, the dongle IDs and the LOG file name. Additionally, the OPI file name is included on the Summary Report.

The LD 143 / KSHO REC for large systems included in the LOG file to extract the dongle id's. Dongles are located on the system processor cards. For a dual processor system, there will be 2 dongles and for a single processor system there will be 1 dongle. Dongles were introduced on release 23.37, so some 23.37 systems had them while others did not.

This dongle information will be displayed in OrderPro in the detailed report as shown in the example below:

OrderPro 6.5.0
Detailed Report

Report Date:	**21-06-2005**	**System Type:**	**M1 - 61C**
Extraction Date:	**09-06-2005**	**Release :**	**25.40**
Site Location:	**US**	**Serial No.:**	**XXXX**
		Dongle ID1 :	**10199666**
		Dongle ID2:	**10201460**
		Dongle Date:	**20/03/2002 - 13:55:28**

LOG File Name: **D:\Profiles\albanh\Desktop\telecom1.LOG**

Peripheral Equipment Totals: Summary of IPE equipment identified on the Cabinet, Chassis, IPE Shelves, Media Gateway, the quantity and the description for each type of equipment.

Peripheral Equipment Totals

Code	Qty.	Description
IPE	2	
MMAIL	1	
NT8D02AA	2	Digital Line Card 16 Port
NT8D02AB	6	Digital Line Card 16 Port
NT8D02EA	1	Digital Line Card 16 Port
NT8D02EB	1	Digital Line Card 16 Port
NT8D02GA	8	Card 16-port Extended Digital Line XDLC
NT8D09AK	3	Analog Message Waiting Line Card
NT8D09AL	1	Flexible Analogue Line Card with High Voltage Message Waiting
NT8D14AA	1	Universal Trunk Card
NT8D14AJ	1	Universal Trunk Card
NT8D14BB	1	Extended Universal Trunk
PRI	1	PRI configuration
UNEQUIPP	1	

Peripheral Equipment Details: Full content of the Cabinet, Chassis, IPE Shelves, Media Gateway per module name and number and slot number. The number of spare units is also displayed for all the line cards.

Peripheral Equipment Details

Site/Connection	Cab#	Slot	Code	Unused Ports
Main	0	0	NTDK20	
	0	1	NT8D14BB	
	0	2	IPE	
	0	3	PRI	
	0	4	NT8D02AA	1
	0	5	NT8D02AB	5
	0	6	NT8D09AK	7
	0	7	NT8D02AB	7
	0	8	NT8D02EA	6
	0	9	IPE	
	0	10	MMAIL	
Exp Cab	1	0		
	1	1	NT8D14AJ	7
	1	2	NT8D02AB	9
	1	3	NT8D09AL	2
	1	4	NT8D09AK	4

.
.

Large Meridian 1 systems:

CORE/NET Equipment Totals: Summary of Core, CoreNet and Network module equipment identified on the system, the quantity and the description for each type of equipment.

CORE/NET Equipment Totals

Code	Qty.	Description
MISP	1	
NT5D10EA	2	PC Pack Call Processor 3 CP68060 - 80MB CP3
NT5D61AB	1	Pack IOP/CD-ROM/FD Multi-disk Unit IODUC
NT5D61BB	1	I/O Disk Unit Without CD-ROM Dual Pack Assembly
NT6D64BA	2	
NT6D65AA	2	Core to Network Interface Card (CNI)
NT6D73AA	1	BRI Signalling Processor Option 51-81
NT6D80AB	1	Multi-Purpose Serial Data Link (MSDL)
NT7R51AD	3	Local Carrier I/F Card
NT8D04BA	1	Pack Superloop Network SNET
NTBK51AA	3	D-Channel DaughterBoard (EUROISDN/QSIG/MCDN)
PRI2	5	PRI2 configuration
SUPC	1	Local Carrier Interface Card configuration - card not responding
XCT	4	XCT configuration

CORE/NET Equipment Details: Full content of the Core, CoreNet and Network modules per module name and number and slot number.

CORE/NET Equipment Details

Site	Module#	Slot	Code
NT5D21	loop0-15	PWR	Power Supply
	loop0-15	*1*	*PRI2*
	loop0-15	*2*	*NT7R51AD*
	loop0-15	*3*	*NTBK51AA*
	loop0-15	*4*	*NTBK51AA*
	loop0-15	*5*	*NTBK51AA*
	loop0-15	*6*	*NT6D73AA*
	loop0-15	*7*	*XCT*
	loop0-15	12	NT6D65AA
	loop0-15	15	NT5D10EA
	loop0-15	17	NT5D61BB
	loop0-15	18	NT6D64BA
NT5D21	loop16-31	PWR	Power Supply
	loop16-31	*0*	*NT8D04BA*
	loop16-31	*1*	*NT6D80AB*
	loop16-31	*2*	*NT7R51AD*
	loop16-31	*6*	*PRI2*
	loop16-31	*7*	*XCT*
	loop16-31	12	NT6D65AA
	loop16-31	15	NT5D10EA
	loop16-31	17	NT5D61AB
	loop16-31	18	NT6D64BA

System Memory Allocation: Summary of the Processor, DRAM and Flash Memory installed

System Memory Allocation

CP 3
DRAM: 16 + 16 + 16 + 0
Flash: 32

Networks Summary: Summary of the loop usage per loop type and network group

Networks Summary

	Grp0	Grp1	Total
ENET	0	0	0
REM	0	0	0
SUPL	4	0	4
SUPC	8	8	16
SUPF	0	0	0
DDCS	0	0	0
XCT	4	4	8
TDS	0	0	0
CONF	0	0	0
DTI	0	0	0
PRI	0	0	0
PRI2	4	6	10
DTI2	0	0	0
MISP	2	2	4
JDMI	0	0	0
SPARE	10	12	22

Networks Details: Full representation of every loop on the system and their associated configuration.

Networks Details

Group	Loop	Code	Group	Loop	Code
0 0	SPARESLOT	1	32	SUPC*	
0 1	SPARESLOT	1	33	SUPC*	
0 2	PRI2	1	34	SUPC	
0 3	PRI2	1	35	SUPC	
0 4	SUPC*	1	36	PRI2	
0 5	SUPC*	1	37	PRI2	
0 6	SUPC	1	38	SPARESLOT	
0 7	SUPC	1	39	SPARESLOT	
0 8	SPARESLOOP	1	40	SPARESLOOP	
0 9	SPARESLOT	1	41	SPARESLOT	
0 10	SPARESLOT	1	42	SPARESLOT	
0 11	SPARESLOT	1	43	SPARESLOT	

CS 1000E systems only:

Call Server Equipment Totals: Summary of call server equipment, the quantity and the description for each type of equipment.

Call Server Equipment Totals

Code	Qty.	Description
NT4N39AA	2	Call Processor CP PIV Pack with 512MB DDR and On-board Hard Drive
NT4N48BA	2	System Utility Card (Horizontal LCD display and EMC gasket)

Call Servers Details: Full content of the Call Servers per site number and Slot number.

Call Servers Details

Site	Module#	Slot	Code
0	SU	0	NT4N48BA
0	CPU	1	NT4N39AA
0	MMDU	2	UNEQUIPPED
Site	**Module#**	**Slot**	**Code**
1	SU	0	NT4N48BA
1	CPU	1	NT4N39AA
1	MMDU	2	UNEQUIPPED

Large Meridian 1 System and CS1000E

System Memory Allocation: shows the CPU type, and memory capacity and organization (for CP1, 2 and 3).

System Memory Allocation

CPP (note this is SDRAM)
SDRAM: 509
Flash: Not Applicable

CS1000E, CS 1000S, CS 1000M, MG 1000T and MG 1000B ISP 1100 Signaling Servers

The number of installed ISP 1100 Signaling servers is gathered in the LOG files for CS1000E, CS 1000S, CS 1000M, MG 1000T and MG 1000B systems. A new section is added in EC 6.6 at the beginning of the detailed to show this information.

New EC 6.6

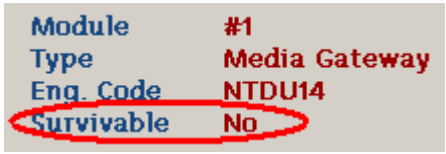
…
Installed ISP1100 Signaling Server : 2

Survivability For Media Gateways in Detailed Site Survey

New for 6.0

This element is applicable to Meridian 1 Small systems, CS1000M Small systems, CS1000S, MG1000T, and MG1000B systems. (N/A for Option 11C).

The Detailed Site Survey screen in OrderPro shows this survivability information



The first line of the Media Gateway section of the OrderPro Detailed Report contains a new label "Survivable" if MG is set as survivable.

[…]

Peripheral Equipment Details

Media Gateway Unused Ports	Module	Slot	Code
'000' 0	0	NTDK20	
0	1	PRI	
0	2	PRI	
0	3	PRI	
0	4	PRI	
1	7	NTVQ01BA	
1	8	NTVQ01BA	
1	9	NTVQ01BA	
1	10	SDI/DCH	

Media Gateway Unused Ports	Module	Slot	Code
'001'Survivable 0	0	NTDK20	
0	1	PRI	
0	2	PRI	
0	3	PRI	
0	4	PRI	

[…]

Limitations of the Large System CoreNet Equipment Detail

This section describes the limitations with the CoreNet equipment detail provided in the Detailed Report.

Network Slots

1. The Networks slot locations proposed by OrderPro rely on the loop configurations for a system, not on the actual physical position of the equipment as this can not be done. This allows mismatches between the logical configuration of the loops and the location of the hardware supporting the configuration. Moreover, loops can be configured without the corresponding hardware. The method utilized by OrderPro consists of sequentially representing the configured loops in the network as follows:
    - Loops 0 to 31 will be in group 0, (0-15 in the first shelf, 16-31 in the second shelf)
    - Loops 32 to 63 will be in group 1, (32-47 in the first shelf, 48-63 in the second shelf)
    - Loops 64 to 95 will be in group 2 and so on.

    This implies the following:

    - A loop configuration is represented by a mnemonic (ex: PRI, DTI, XCT…) which may correspond to various card types (refer to item 7, 'Card to Mnemonic references')

    - ENET cards may be reported as a PRI, DTI, PRI2 or DTI2 per the configuration of the loop number. Because OrderPro reports how the equipment is configured in software, it does not necessarily give a true definition of hardware (e.g. PRI2 could be an ENET card connected to the older dual width PRI2, or could be a DPRI).

    - An empty slot may be shown as occupied by equipment simply because the corresponding logical loop number is configured.

    - PRI / DTI physically placed in slot 0-4 of a core-only module (NT6D60) will be represented in the CoreNet or Network shelf of the system based on the loop number they are configured against.

2. **MSDL cards** are identified for each network group by their position is unknown. By default, detected MSDL cards will be placed in the first available slots that can accept MSDL cards. If no spare slots are found in the group, it means that a loop has been configured in that place and OrderPro will display a warning to the user indicating that a MSDL card could not be slotted in the Network group. The following table indicates where MSDL cards can be placed in a module:

M1 System	Module	Card slots
21E	NT8D11 CE/PE	Network slot 4-9
51	NT6D39 CPU/Net	Network slot 1-8
61	NT6D39 CPU/Net	Network slot 1-8
71	NT8D35 Net	Network slot 5-13
81	NT8D35 Net	Network slot 5-13
51C, 61C, 81C	NT5D21	Network slot 0-7
61C, 81C	NT4N41	Network slot 0-7
NT	QSD39 Net (LH)	Network slot 2-10,12,13
	QSD39 Net (RH)	Network slot 5-13,3
RT	QCA147 Net	Network slot 2-10,12
STE	QCA 136 CE	Network slot 5-13
XT	QSD39 Net (LH)	Network slot 2-10
	QSD39 Net (RH)	Network slot 5-13

3. **QPC412 (IGS), NT5D30** (**DIGS) cards** are not represented by OrderPro. However, any multi-group systems without FIJI cards identified must have one. They are placed by default in slot# 9 for a NT5D21 CoreNet shelf, in slot#8 for a NT4N41 CoreNet shelf and in slots 2,3 for a NT8D35 Network shelf. A future enhancement may be considered in OrderPro to represent these cards with mnemonic “Intergroup” on all multi-groups systems having no FIJI cards.

4. **QPC43** (Peripheral Signaling card) is not represented by OrderPro. However, this card is always placed in slot#10 of a NT6D39, NT5D21 or NT4N41 CoreNet shelf and in slot#4 of a NT8D35 Network shelf.

5. **NTRB53 and QPC471, QPC775** (Clock Controller) are not represented by OrderPro. However, these cards are always placed in slot#9 of a NT6D39, NT5D21 or NT4N41 CoreNet shelf and in slot#13 of a NT8D35 Network shelf.

6. **QPC441** (3PE) is not represented by OrderPro. However, this card is always placed in slot#11 of a NT6D39, NT5D21 or NT4N41 CoreNet shelf and in slot#1 of a NT8D35 Network shelf.

   NOTE: the cards described in #3, #4, #5 and #6 above will be shown as RESERVED in the OrderPro Detailed Report. If the OPI file is imported into EC these cards will be populated correctly as described above in the site survey according the system type.

Card to Mnemonic references:

The following table shows the mnemonic indicated by OrderPro for selected card types:

Card	Description	Mnemonic used by OrderPro
NT5D12	DDP (DTI/PRI)	PRI / DTI
NT5D97	DDP 2.0	PRI2/DTI2
NT8D17	CONF/TDS	XCT / XCT
NT8D72	PRI (1slot)	PRI
NTCG01	CIS DTI2	DTI2
QPC197	TDS	TDS / XCT
QPC414	ENET	ENET / PRI /DTI / PRI2 / DTI2
QPC444	CONF	CONF / XCT
QPC445	CONF	CONF / XCT
QPC447	CONF	CONF / XCT
QPC472	DTI/CPI NET CI	DTI /
QPC536	DTI2	DTI2
QPC605	TDS	TDS / XCT
QPC605	ATDS-A	TDS / XCT
QPC606	ATDS-B	TDS / XCT
QPC609	Fast TDS	TDS / XCT
QPC720	PRI (2slot)	PRI
QPC785	JDMI	JDMI

The following table shows the card type(s) for the mnemonics indicated by OrderPro:

Mnemonic in OrderPro	Card Types
CONF	QPC444, QPC445, QPC447
D2LI	Israel specific
DDCS	NT8D72, NT5D97, NTCK43
DTI	QPC472, QPC414, NT5D12, NTAK09
DTI2	NTCG01, QPC536, QPC414, NT5D97, NTAK10
ENET	QPC414
JMDI	QPC785
MISP	NT6D73
PCM	Israel specific
PR30	Israel specific
PRI	QPC720, NT8D72A, NT5D12, QPC414, NTAK09
PRI2	QPC414, NT5D97, NTCK43AB, NTBK50, NTAK79
PRI24DCH	NT5D97, NTCK43AB
SUPL	NT8D04
SUPC	NT7R51
SUPF	NT1P61
TDS	QPC197, QPC605, QPC605, QPC606, QPC609
XCT	NT8D17, QPC444, QPC445, QPC447, QPC197, QPC605, QPC605, QPC606, QPC609

- The following cards can not be retrieved from a system:

NT4N43	MMDU
NT5K75	DCH
NT6D11	DCH
NT6D6003	CBT
NT7D15	Sys Mon
NT8D41AA	2PT. SDI PB
NTND02	MSPS
NTND09	12MB Mem
QPC139	2PT SDI
QPC513	2PT. ESDI
QPC583	12MB Mem
QPC757	DCHI
QPC841	4PT. SDI

- The following cards have not been tested with OrderPro:

NT8D18	NET/DTR
NT8D19	MMPS
NT8D68	FDU
NT8D69	MDU
NT9D34	EMSI
NTND01	ICM
NTND10	CMA
NTND16	MDU
QPC215	SBE
QPC579	CPU Func
QPC580	CPU Int
QPC581	CMA
QPC584	MSI
QPC742	FDI

Core Slots

Some systems do not support the Core inventory command. Hence, no core equipment can be retrieved nor reported for these systems.

IPE Slots

1. Over 90% of the IPE equipment can be identified by the Engineering Code as long as the super loop that controls the shelf is enabled.

2. The remaining 10% of IPE equipment is represented by the following mnemonics:

Mnemonic	**Description/note**
AnalogLC	card with a LAN ID = “” with analog units configured against it
BCU IDC	Particular code reported by a IPE card
BLANK	card with a LAN ID = “”
CARD DOWN	Card configured as IPE but not plugged in*
DigitalLC	card with a LAN ID = “” with digital units configured against it
NPR CODE	Card configured not plugged in*
UNEQUIPP	No Equipment (doesn't appear in the OPI)
W_F_Anal/Digi	Unequipped slots that have been allocated as Analog or Digital**
XDSG 00	Particular code reported by a Kapsch IPE card
XMPT --'	Particular code reported by a Kapsch IPE card
XMPT 00	Particular code reported by a Kapsch IPE card
□ □ □ □ □ □ □ □	IPE card with unreadable LAN ID
= = = = = = = =	2nd slot of a dual width card

* NPR CODE and CARD DOWN are represented for EC purposes as the slot is not detected as a spare slot by OrderPro.

** “W_F_Anal” and “W_F_Digi” are applicable to non-TN based systems only. These mnemonics arbitrarily replace empty slots (“UNEQUIPPED”) found on the system. In total, the W_F Anal and W_F_Digi equal the number of spare slots that have been allocated by the user as Analog and Digital ‘wired for’ slots.

3. **Applications** such as Link/CCR and Max are not represented, either in the IPE version or AEM

B
License Extraction and Calculations

This appendix describes the methods used for calculating the values for the new License parameters.

Many of the data items extracted from the Meridian 1 system are used for more than calculating the License values. The appendix describes the data items that are relevant to License parameters only.

Note: This section assumes you are familiar with Meridian 1 overlays and their output.

Extractions from Meridian 1 Systems

The following table lists the overlay commands that are executed during the OrderPro extraction phase to create the LOG file:

Initial extraction		
Overlay	**Item**	**Used for**
LD 22	ISS	Identifying machine type and software release. This is used to determine which Pre-extraction script to use and also which commands to use where differences exist between system types and software releases.
Pre-extraction		
LD 97	XPEC	To establish IPE shelves configured ready for IDCS command in main extraction.
LD 20	LUC	To establish unused card slots (small systems only)
LD 20	LUU	To establish which cards have unused units ready for specific IDC commands in main script
LD 22	PKG 370	To establish existence of Wireless visitors to control main extraction input re this feature
LD 22	CEQU	To establish main system configuration parameters (small systems only)
LD 32	Lxxx	To establish number of Option 11 cabinets installed (small systems only)
LD 81	SETS	To establish multi customer set usage

Main extraction		
Overlay	**Item**	**Used for**
LD 2	TTAD	Date and time of extraction
LD 22	ISS	System generic and software release
LD 22	TID	Identifying system ID number. This is used for system reference purposes.
LD 22	SLT	Identifying existing system limits and License values (TN level, ACD DN etc). Some of the values here maybe used when providing the final License parameters.
LD 22	PKG	Identifying all of the existing software features in the system. One of the functions of OrderPro is to establish the correct software packaging for any upgrades.
LD 22	CFN	The system configuration print is used to identify various items that are configured in the system.
LD 22	CINV	Establish core hardware (small systems only)
LD 97	SUPL	Identifying the superloops configured in the system.
LD 97	XPE	Identifying the IPE shelves fitted in the system
LD 32	IDC x	Cards with unconfigured units only
LD 32	IDC x	All IPE cards (small systems only)
LD 32	IDC 4	For Identification of 48 port line card (small systems only)
LD 32	IDCS x	All IPE cards (large systems only)
LD 32	STAT PER	Establish number of configured Network shelves (large systems only)
LD 32	Lxxx	Establish number of Option 11 cabinets (small systems only)
LD 81	CNT	This is used to provide a count of several configured software items in the system. The output from this is manipulated to give the new License parameters together with other items of information (spare cards, spare slots etc.)
LD 20	LUC	List all unused card slots
LD 20	LUU	List all unused units
LD 20	ATT 1250 2250 PWR	To establish quantity of ports used for Operator Console
LD 83	LST	This gives a list of all configured sets. Will be omitted on systems that do not have phantom loops/sets.

Calculation of License Values

License values that are defined by OrderPro will either be read from the relevant value in the LD 22 SLT print or calculated based on information gathered in the LD 81 count. Other data collected from the system will be used to make adjustments when providing the final License values.

The following is an example LD 81 print. Column and row references have been added in red purely for ease of identification.

Not all rows and or columns will be printed for all systems as this will depend on exact software release and feature content. These figures will exist for each customer in a multi customer system, with all values being added together to provide the final calculations.

Example CNT matrix and calculations:

				A	B	C	D	E	F	G	H	I	J
	FEAT	**Cust**		**TOTAL**	**SL1**	**500**	**2500**	**3000**	**4020**	**2000**	**3900**	**ISET**	**DCS**
1	**ACD**	00	CNT	63	0	0	6	0	0	53	0	4	0
2	**SETS**	00	CNT	328	17	0	221	0	0	82	0	8	0
3	**DTA**	00	CNT	26	12	0	0	0	0	14	0	0	0
4	**VCE**	00	CNT	302	5	0	221	0	0	68	0	8	0
5	**VMA**	00	CNT	0	0	0	0	0	0	0	0	0	0
6	**AGTA**	00	CNT	6	0	0	6	0	0	0	0	0	0
7	**DCFW**	00	CNT	143	0	0	143	0	0	0	0	0	0
8	**WRLS**	00	CNT	36	0	0	28	0	0	0	0	0	8
9	**FLXA**	00	CNT	2	0	0	0	0	0	2	0	0	0
10	**CNUA**	00	CNT	7	0	0	7	0	0	0	0	0	0
11	**CNUS**	00	CNT	13	0	0	13	0	0	0	0	0	0
12	**VSIT**	00	CNT	5	0	0	0	0	0	0	0	0	5
13	**MMA**	00	CNT	24	0	0	0	0	0	24	0	0	0

The following table shows calculations made from the LD 81 CNT matrix prior to any further manipulation for final output:

Item	**From output**
Digital voice sets	B4 + E4 + F4 + G4 + H4 – B1 – E1 – F1 – G1 – H1
Digital ACD sets	B1 + E1 + F1 + G1 + H1
Mail Agents	A5
CallPilot Agents	A13
Analogue sets	C2 + D2 - A6 - C8 - D8
Analogue ACD sets	A6
Data sets	A3
Analogue wireless sets	C8 + D8
CLASS sets	A10 + A11
DECT visitor users	A12
DCS wireless sets	J8
IP sets	I4
IP ACD agents	I1

Additional items calculated by OrderPro that may be used in the final output are:

- Digital phantom sets
- Analogue phantom sets
- Un-configured ports on digital line cards
- Un-configured ports on analogue line cards
- Un-configured ports on wireless cards

All systems need to account for phantom sets, but the inclusion of unconfigured ports are region specific according to the region specific rules tables that follow.

Further to these calculations, the user will also be given the option to include spare card slots or unallocated TN's from the existing system in the License value that they will receive with the upgrade to CS 1000 Rls 4.0.

Calculated items prior to final adjustments for region specific rules and user adjustments	
License digital	Digital Voice sets + Digital ACD sets - Digital Phantoms - Mail Agents - Pilot Agents
License analogue	Analogue sets + Analogue ACD sets - Class sets - Analogue Phantoms
License ACD agents	Digital ACD sets + Analogue ACD sets + IPset ACD - Mail Agents - Pilot Agents
License DECT User	Analogue wireless sets + DCS wireless + Spare Wireless
License Internet telephone	IP sets
License Class	Class sets
License DECT Visitor Use	Wireless visitors

Region Specific Rules

The following rules are applied to systems when upgrading to CS 1000 Rls 4.0.

Rules to apply for US systems

The following rules are used to calculate License values in the US.

License	Calculation Method (all systems unless specified*)	Calculation Description
Total Analog Telephone	**Configured + 'Wired for'** Configured = LD 81 count of all programmed analog sets, less those programmed as phantom sets. Wired for = up to unused TNs from LD 22 SLT according to user selection.	The sum of all analog sets programmed plus 'wired for' entry minus phantom sets. The maximum total wired for value presented by OrderPro is the sum of the remaining (unused) TN software licenses which can be divided up between Analog, Digital and CLASS Telephones.
Total Digital Telephone	**Configured + 'Wired for'** Configured = LD 81 count of all programmed digital sets, less those programmed as phantom sets. Wired for = up to unused TNs from LD 22 SLT according to user selection.	The sum of all digital sets programmed plus 'wired for' entry minus phantom sets. The maximum total wired for value presented by OrderPro is the sum of the remaining (unused) TN software licenses which can be divided up between Analog, Digital and CLASS Telephones.
CLASS Telephone	**Configured + 'Wired for'** Configured = LD 81 count of all sets with class of service CNUA or CNUS. Wired for = up to unused TNs from LD 22 SLT according to user selection.	The sum of all analog sets configured to deliver Enhanced analog call ID information (CLASS). The maximum total wired for value presented by OrderPro is the sum of the remaining (unused) TN software licenses which can be divided up between Analog, Digital and CLASS Telephones.
DECT User	**All sets configured with WRLS = yes** LD 81 count of all sets with WRLS=yes	The sum of all wireless sets WRLS=yes for all systems that include PBX feature 240. Required for Companion and DECT sets.
Internet Telephone	**Purchased quantity** If Rls >= 25.15 = 'available' Internet Telephone value from LD 22 SLT. For all other releases: set to 0.	The total number of IP user licenses available on the system regardless of how many have been used or consumed. 802.11wireless (i2210/i2211) use this ISM.

US systems - continued

License	Calculation Method (all systems unless specified*)	Calculation Description
ACD Agents * Small systems	**Configured + 'Wired for' or default 10** Configured [Rls 16] = LD 81 CNT count of ACD Agents (AGTA + ACD) minus the Voice Mail Agents (VMA). Configured [Rls 17 to 24.22] = 'used' ACD Agent value from LD 22 SLT minus the Voice Mail Agents (VMA). Configured [Rls >=24.22] = 'used' ACD Agent value from LD 22 SLT. Wired for [Rls 16] = up to maximum 100, only if 'Configured' value >0. Wired for [Rls >16] = up to 'unused' ACD Agent value from LD 22 SLT, only if 'Configured' value >0. If less than 10, default to 10.	The sum of all ACD Agents programmed on the system, plus 'wired for' entry if ACD Agents are programmed. Prior to Rls 24, Voice Mail Agents were counted as ACD Agents (and will be removed). On release 24 and later, Voice Mail Agents are not counted as ACD Agents. If configured + wired for value is less than 10, then the default of 10 is provisioned.
ACD Agents * Large systems	**Configured quantity or default 10 (Rls 16) Purchased quantity or default 10 (> Rls 16)** Configured [Rls 16] = LD 81 CNT count of ACD Agents (ACD + AGTA) minus the Voice Mail Agents (VMA). Purchased [Rls >16] = 'available' ACD Agent value from LD 22 SLT. If less than 10, default to 10.	The total number of ACD Agents available on the system, regardless of how many have been used or consumed. If Rls 16, then ACD Agents equal the sum of all ACD Agents programmed, minus the ACD Agents used for Voice Mail Agents. If configured/purchased value is less than 10, then the default of 10 is provisioned.
AST * Small systems	**Equal to ACD Agents, minimum 1 (Rls 16) Configured + 'Wired for' or default 1 (> Rls 16)** If Rls = 16: set equal to ACD Agent total value. Configured [Rls >16] = 'used' AST from LD 22 SLT. Wired for [Rls >16] = up to 'unused' AST value from LD 22 SLT, only if 'Configured' value >0. If 0, then default to 1 [for Rls >16].	The sum of all AST programmed on the system, plus 'wired for' entry. If Rls 16, AST value set equal to ACD Agent total value (including any assigned 'wired for' capacity; minimum of 1 is provisioned). If the configured value is 0 (for Rls >16), then the default of 1 is provisioned.
AST * Large systems	**Equal to ACD Agents, minimum 10 (Rls 16) Purchased quantity or default 1 (> Rls 16)** If Rls = 16: set equal to ACD Agent total value (minimum 10). Purchased [Rls > 16] = 'available' AST value from LD 22 SLT. If 0, then default to 1 [for Rls >16].	The sum of all AST purchased regardless of how many have been used or consumed. If Rls 16, AST value set equal to ACD Agent total value (minimum of 10 is provisioned). If the purchased value is 0 (for Rls >16), then the default of 1 is provisioned.
ITG ISDN Trunk	**Sum of all physical ITG trunk ports available** If Rls >= 25.10: sum of all the ports available on all the ITG cards installed in the system. For all other releases: set to 0.	ITG Cards must be plugged into the system and the software running. No Meridian 1 programming is required. OrderPro provisions ITG Trunk software licenses for all the ports on each ITG Trunk card. Will be rounded up to the nearest 8.

US systems – continued

License	Calculation Method (all systems unless specified*)	Calculation Description
RAN Con * Small systems	**Configured quantity** If Rls >= 23: 'used' RAN Con from LD 22 SLT. For all other releases: set to 0.	The sum of all RAN Con programmed on the system.
RAN Con * Large systems	**Purchased quantity** If Rls >= 23: 'available' RAN Con from LD 22 SLT. For all other releases: set to 0.	The sum of all RAN Con purchased regardless of how many have been used or consumed.
MUS Con * Small systems	**Greater of default or configured** If Rls >= 23 and if 'Used' = 0: then set to 0. If Rls >= 23 and if 'Used' > 0: then set to the higher of 'available' or 'used' MUS Con values from LD 22 SLT. For all other releases: set to 0.	If MUS Con is being used on the system (i.e. if at least one is programmed), then OrderPro will provision the greater of the programmed or the default quantity.
MUS Con * Large systems	**Purchased quantity** If Rls >= 23: 'available' MUS Con from LD 22 SLT. For all other releases: set to 0.	The sum of all MUS Con purchased regardless of how many have been used or consumed.
Survivability * Small systems	**Purchased quantity** If Rls >= 25.30: 'available' Survivability value from LD 22 SLT. For all other releases: set to 0.	The sum of all Survivability purchased regardless of how many have been used or consumed.
All Other ISM	All other ISM values are defaulted in the manufacturing process.	No other software licenses need attention as they are set to default values beyond customer requirements.

Rules to apply for Canadian systems

The following rules are used to calculate License values in the Canada.

License	Calculation Method (all systems unless specified*)	Calculation Description
Total Analog Telephone * Small systems >= 25.30	**Configured + 'Wired for'** Configured = LD 81 count of all programmed analog sets, less those programmed as phantom sets. Wired for = Up to unused TNs from LD 22 SLT according to user selection.	The sum of all analog sets programmed plus 'wired for' entry minus phantom sets. The maximum total wired for value presented by OrderPro is the sum of the remaining (unused) TN software licenses which can be divided up between Analog, Digital and CLASS Telephones.
Total Digital Telephone * Small systems >= 25.30		The sum of all digital sets programmed plus 'wired for' entry minus phantom sets. The maximum total wired for value presented by OrderPro is the sum of the remaining (unused) TN software licenses which can be divided up between Analog, Digital and CLASS Telephones.
Total Analog Telephone * Small systems < 25.30 * Large systems all releases	**Configured + unconfigured + 'Wired for'** Configured = LD 81 count of all programmed analog sets, less those programmed as phantom sets. Unconfigured = sum of all ports that are not configured on the analog/digital line cards. Wired for = up to sum of all unused IPE slots @ 16 users per slot according to user selection. For Option 21 systems OrderPro will allow a maximum wired for quantity of 20% of the calculated Analogue plus Digital ISMs.	All large and pre Rls 25.30 small Canadian systems were not TN based. Analog license value is the sum of all analog sets programmed plus unconfigured analog units on each card plus the 'wired for' entry minus Phantom sets. The maximum total wired for value presented by OrderPro is the sum of the unused IPE slots (16 user licenses per slot).
Total Digital Telephone * Small systems < 25.30 * Large systems all releases		All large and pre Rls 25.30 small Canadian systems were not TN based. Digital license value is the sum of all digital sets programmed plus unconfigured digital units plus the 'wired for' entry minus Phantom sets. The maximum total wired for value presented by OrderPro is the sum of the unused IPE slots (16 user licenses per slot).
CLASS Telephone	**Configured + 'Wired for'** Configured = LD 81 count of all sets with class of service CNUA or CNUS. Wired for = up to sum of the unused IPE slots (16 user licenses per slot) or up to unused TNs from LD 22 SLT according to user selection depending on s/w release and system type.	The sum of all analog sets configured to deliver Enhanced analog call ID information (CLASS) + 'wired for' allocation as determined by software release and machine type and according to user selection.
DECT User * Small systems	**All sets configured WRLS= yes** LD 81 count of all sets with WRLS=yes	The sum of all wireless sets WRLS=yes for all systems that include PBX feature 240. Required for Companion and DECT sets.
DECT User * Large systems	**All sets configured WRLS = yes + unconfigured units** LD 81 count of all sets with WRLS=yes + unconfigured units on analog line cards	For all systems that include PBX feature 240: The sum of all wireless sets WRLS=yes plus the unconfigured units on the analog line cards programmed with wireless sets. Required for Companion and DECT sets.

Canadian systems – continued

License	Calculation Method (all systems unless specified*)	Calculation Description
Internet Telephone	**Purchased quantity** If Rls >= 25.15: 'available' Internet Telephone value from LD 22 SLT. For All other releases: set to 0.	The total number of IP user licenses available on the system regardless of how many have been used or consumed. 802.11wireless (i2210/i2211) use this ISM.
ACD Agents * Small systems	**Configured + 'Wired for' or default 10** Configured [Rls 16] = LD 81 CNT count of ACD Agents (AGTA + ACD) minus the Voice Mail Agents (VMA). Configured [Rls 17 to 24.22] = 'used' ACD Agent value from LD 22 SLT minus the Voice Mail Agents (VMA). Configured [Rls >=24.22] = 'used' ACD Agent value from LD 22 SLT. Wired for [Rls 16] = up to maximum 100, only if 'Configured' value >0. Wired for [Rls >16] = up to 'unused' ACD Agent value from LD 22 SLT, only if 'Configured' value >0. If less than 10, default to 10.	The sum of all ACD Agents programmed on the system, plus 'wired for' entry if ACD Agents are programmed. Prior to Rls 24, Voice Mail Agents were counted as ACD Agents (and will be removed). On release 24 and later, Voice Mail Agents are not counted as ACD Agents. If configured + wired for value is less than 10, then the default of 10 is provisioned. If ACD Agents are maxed out, use Rls 16 configured and wired for calculations.
ACD Agents * Large systems	**Configured + 'Wired for' or default 10** Configured = LD 81 CNT count of ACD Agents (AGTA + ACD) minus the Voice Mail Agents (VMA). Wired for = up to maximum 100, only if 'Configured' value >0. If 0, default to 10.	The sum of all ACD Agents programmed on the system, not including Voice Mail Agents, plus 'wired for' entry if ACD Agents are programmed. If configured value is 0, then the default of 10 is provisioned.
AST * Small systems	**Equal to ACD Agents, minimum 1 (Rls 16)** **Configured + 'Wired for' or default 1 (> Rls 16)** If Rls = 16: set equal to ACD Agent total value. Configured [Rls >16] = 'used' AST from LD 22 SLT. Wired for [Rls >16] = up to 'unused' AST value from LD 22 SLT, only if 'Configured' value >0. If 0, then default to 1 [for Rls >16].	The sum of all AST programmed on the system, plus 'wired for' entry. If Rls 16, AST value set equal to ACD Agent total value (including any assigned 'wired for' capacity; minimum of 1 is provisioned). If the configured value is 0 (for Rls >16), then the default of 1 is provisioned.
AST * Large systems	**Equal to ACD Agents, minimum 1 (Rls 16)** **Purchased quantity or default 1 (> Rls 16)** If Rls = 16: set equal to ACD Agent total value (minimum 1). Purchased [Rls > 16] = 'available' AST value from LD 22 SLT. If 0, then default to 1 [for Rls >16].	The sum of all AST purchased regardless of how many have been used or consumed. If Rls 16, AST value set equal to ACD Agent total value (minimum of 1 is provisioned). If the purchased value is 0 (for Rls >16), then the default of 1 is provisioned.

Canadian systems – continued

License	Calculation Method (all systems unless specified*)	Calculation Description
MUS Con * Small systems	**Greater of default or configured** If Rls >= 23 and if 'Used' = 0: then set to 0. If Rls >= 23 and if 'Used' > 0: set to higher of 'available' or 'used' MUS Con from LD 22 SLT. For all other releases: set to 0.	If MUS Con is being used on the system, then OrderPro will provision the greater of the programmed on the system or the purchased quantity.
MUS Con * Large systems	**Purchased quantity** If Rls >= 23: 'available' MUS Con from LD 22 SLT. For all other releases: set to 0.	The sum of all MUS Con purchased regardless of how many have been used or consumed.
RAN Con * Small systems	**Configured quantity** If Rls > = 23: 'used' RAN Con from LD 22 SLT. For all other releases: set to 0.	The sum of all RAN Con programmed on the system.
RAN Con * Large systems	**Purchased quantity** If Rls >= 23: 'available' RAN Con from LD 22 SLT. For all other releases: set to 0.	The sum of all RAN Con purchased regardless of how many have been used or consumed.
ITG ISDN Trunk	**Sum of all physical ITG trunk ports available** If Rls >= 25.10: sum of all the ports available on all the ITG cards installed in the system. For all other releases: set to 0.	ITG Cards must be plugged into the system and the software running. No Meridian 1 programming is required. OrderPro provisions ITG Trunk s/w licenses for all the ports on each ITG Trunk card. Will be rounded up to the nearest 8..
Survivability * Small systems	**Purchased quantity** If Rls >= 25.30: 'available' from LD 22 SLT. For all other releases: set to 0.	The sum of all Survivability purchased regardless of how many have been used or consumed.
All Other Licenses	All other License values are defaulted in the manufacturing process.	No other s/w licenses need attention - they are set to default values beyond customer requirements

Rules to apply for CALA systems

The following rules are used to calculate License values in the CALA.

Note: Some CALA systems have been provided with US software packaging. US rules are used if software PKG 131 (SUPP) does not exist on a CALA based system.

License	Calculation Method (all systems unless specified*)	Calculation Description
Total Analog Telephone * >= 25.40	**Configured + 'Wired for'** Configured = LD 81 count of all programmed analog sets, less those programmed as phantom sets. Wired for = Up to unused TNs from LD 22 SLT according to user selection.	The sum of all analog sets programmed plus 'wired for' entry minus phantom sets. The maximum total wired for value presented by OrderPro is the sum of the remaining (unused) TN software licenses which can be divided up between Analog, Digital and CLASS Telephones.
Total Digital Telephone * >= 25.40		The sum of all digital sets programmed plus 'wired for' entry minus phantom sets. The maximum total wired for value presented by OrderPro is the sum of the remaining (unused) TN software licenses which can be divided up between Analog, Digital and CLASS Telephones.
Total Analog Telephone * <= 25.30	**Configured + unconfigured + 'Wired for'** Configured = LD 81 count of all programmed analog/digital sets, less those programmed as phantom sets. Unconfigured = sum of all ports that are not configured on the analog/digital line cards Wired for = up to sum of all unused IPE slots @ 16 users per slot according to user selection. For Option 21 systems OrderPro will allow a maximum wired for quantity of 20% of the calculated Analogue plus Digital ISMs.	Systems in CALA on release 25.30 or earlier were not TN based. Analog license value is the sum of all analog sets programmed plus unconfigured analog units on each card plus the 'wired for' entry minus Phantom sets. The maximum total wired for value presented by OrderPro is the sum of the unused IPE slots (16 user licenses per slot).
Total Digital Telephone * <= 25.30		Systems in CALA on release 25.30 or earlier were not TN based. Digital license value is the sum of all digital sets programmed plus unconfigured digital units plus the 'wired for' entry minus Phantom sets. The maximum total wired for value presented by OrderPro is the sum of the unused IPE slots (16 user licenses per slot).
CLASS Telephone	**Configured + 'Wired for'** Configured = LD 81 count of all sets with class of service CNUA or CNUS. Wired for = up to sum of the unused IPE slots (16 user licenses per slot) or up to unused TNs from LD 22 SLT according to user selection depending on s/w release and system type.	The sum of all analog sets configured to deliver Enhanced analog call ID information (CLASS) + 'wired for' allocation as determined by software release and machine type and according to user selection.
DECT User * >= 25.40	**All sets configured WRLS= yes** LD 81 count of all sets with WRLS=yes	The sum of all wireless sets WRLS=yes for all systems that include PBX feature 240. Required for Companion and DECT sets.
DECT User * <= 25.30	**All sets configured WRLS = yes + unconfigured units** LD 81 count of all sets with WRLS=yes + unconfigured units on analog line cards	For all systems that include PBX feature 240: The sum of all wireless sets WRLS=yes plus the unconfigured units on the analog line cards programmed with wireless sets. Required for Companion and DECT sets.

CALA systems - continued

License	Calculation Method (all systems unless specified*)	Calculation Description
Internet Telephone	**Purchased quantity** If Rls >= 25.15: 'available' Internet Telephone value from LD 22 SLT. For all other releases: set to 0.	The total number of IP user licenses available on the system regardless of how many have been used or consumed. 802.11wireless (i2210/i2211) use this ISM.
ACD Agents	**Configured + 'Wired for' or default 10** Configured [Rls 16] = LD 81 CNT count of ACD Agents (AGTA + ACD) minus the Voice Mail Agents (VMA). Configured [Rls 17 to 24.22] = 'used' ACD Agent value from LD 22 SLT minus the Voice Mail Agents (VMA). Configured [Rls >=24.22] = 'used' ACD Agent value from LD 22 SLT. Wired for [Rls 16] = up to maximum 100, only if 'Configured' value >0. Wired for [Rls >16] = up to 'unused' ACD Agent value from LD 22 SLT, only if 'Configured' value >0. If 0, default to 10. If less than 10 on Small systems, default to 10.	The sum of all ACD Agents programmed on the system, plus 'wired for' entry if ACD Agents are programmed. Prior to Rls 24, Voice Mail Agents were counted as ACD Agents (and will be removed). On release 24 and later, Voice Mail Agents are not counted as ACD Agents. If configured value is 0, then the default of 10 is provisioned. For Small systems, if configured + wired for value is less than 10, then the default of 10 is provisioned. If ACD Agents are maxed out, then the Rls 16 configured and wired for calculations are used.
AST	**Equal to ACD Agents, minimum 1 (Rls 16)** **Configured + 'Wired for' or default 1 (> Rls 16)** If Rls = 16: set equal to ACD Agent total value. Configured [Rls >16] = 'used' AST from LD 22 SLT. Wired for [Rls >16] = up to 'unused' AST value from LD 22 SLT, only if 'Configured' value >0. If 0, then default to 1 [for Rls >16].	The sum of all AST programmed on the system, plus 'wired for' entry. If Rls 16, AST value set equal to ACD Agent total value (including any assigned 'wired for' capacity; minimum of 1 is provisioned). If the configured value is 0 (for Rls >16), then the default of 1 is provisioned.
MUS Con	**Greater of purchased or configured** If Rls >= 23 and if 'Used' = 0: then set to 0. If Rls >= 23 and if 'Used' >0: set to higher of 'available' or 'used' MUS Con from LD 22 SLT. For all other releases: set to 0.	If MUS Con is being used on the system, then OrderPro will provision the greater of the programmed on the system or the purchased quantity.
RAN Con	**Configured quantity** If Rls > = 23: 'used' RAN Con from LD 22 SLT. For all other releases: set to 0.	The sum of all RAN Con programmed on the system.
ITG ISDN Trunk	**Purchased quantity** If Rls >= 25.10: 'available' from LD 22 SLT. For all other releases: set to 0.	The sum of all ITG Trunks purchased regardless of how many have been used or consumed. Will be rounded up to the nearest 8.
Survivability * Small systems	**Purchased quantity** If Rls >= 25.30: 'available' from LD 22 SLT. For all other releases: set to 0.	The sum of all Survivability purchased regardless of how many have been used or consumed.
All Other ISM	All other ISM values are defaulted in the manufacturing process.	No other s/w licenses need attention - they are set to default values beyond customer requirements.

Rules to apply for EMEA systems

The following rules are used for pre FBP systems to calculate License values for upgrade to CS 1000 Rls 4.5 in EMEA.

License	Calculation Method	Notes
Analog Telephone	Use calculated value including unconfigured units on digital and analogue cards.	
CLASS Telephone		
Digital Telephone		
DECT User		
ACD Agents		
Internet Telephone	Use “Available” from SLT print or default value	
DECT Visitor User	If Pre 25.40 then calculate else use SLT “Available”	
PCA	Use “Available” from SLT print or default value	Note 4
AST	If rls = 17+ use “Used” from SLT, else use ACD agent value. If zero then default to 1.	Note 2
H323 Access Port License	Use “Available” from SLT print or default value	Note 4
ITG ISDN Trunks	Use “Available” from SLT print or default value	
RAN Con	Use “Available” from SLT print or default value	
MUS Con		
Survivability	Use “Available” from SLT print or default value	Small systems only
Brandline	Use “Available” from SLT print or default value	
LTID (ISDN BRI)	Use “Used” from SLT print or default value	
TMDI D-channel	Use “Used” from SLT print or default value	
All Others	Not calculated by Order pro, value is set in Order Tool	

For EMEA, a system is defined as FBP/pre FBP according to:

Country usage	Condition	Status
FBP introduced on rls 24	System is pre rls 24	Pre FBP
FBP introduced on rls 24	System is rls 24 or later	FBP
FBP introduced on rls 25	System is pre rls 25	Pre FBP
FBP introduced on rls 25	System is rls 25 or later	FBP
CIS and Israel	System is rls 25 and analogue, digital, wireless, ACD agents are all maxed out (2500 on small systems, 32767 on large systems)	Pre FBP

When OrderPro is run on systems in EMEA that are already on FBP, no .opi file will be generated. All of the License values listed above will have their 'Available' and 'Used' values printed in the Summary Report.

Rules to apply for Asia Pacific and Greater China systems

The following rules are used for pre FBP systems to calculate License values for upgrade to CS 1000 Rls 4.0 in AP & GC.

License	Calculation Method	Notes
Analog Telephone	Use calculated value including unconfigured units on digital and analogue cards.	Rls 24.20 and earlier
Digital Telephone		
DECT User		
ACD Agents		
Analog Telephone	Use "Available" from SLT print or calculated value if not printed in SLT (maxed out)	Later than Rls 24.20
Digital Telephone		
DECT User	For Rls 25.15 and 25.30 use "Available" value from SLT print minus the calculated Wireless Visitors. Otherwise use the "Available" value from SLT print.	
ACD Agents	Use "Available" from SLT print or default value	
CLASS Telephone	Calculate if pre rls 25, else use "Used" value from SLT print	
Internet Telephone	Use "Available" from SLT print or default value	
DECT Visitor User	If Rls 25.15 or 25.30 then calculate, else use SLT "Available"	
PCA	Use "Available" from SLT print or default value	Note 4
AST	If rls = 17+ use "Used" from SLT, else use ACD agent value. If zero then default to 1.	Note 2
H323 Access Port License	Use "Available" from SLT print or default value	Note 4
ITG ISDN Trunks	Use "Available" from SLT print or default value	
RAN Con	Use "Available" from SLT print or default value	
MUS Con		
Survivability	Use "Available" from SLT print or default value	Small systems only
Brandline	Use "Available" from SLT print or default value	
LTID (ISDN BRI)	Use "Used" from SLT print or default value	
TMDI D-channel	Use "Used" from SLT print or default value	
All Others	Not calculated by Order pro, value is set in Order Tool	

For AP, a system is defined as FBP/pre FBP according to:

S/ware rls	Condition	Status
Pre 25.30	None	Pre FBP
25.30 – Australia/New Zealand	If AST “Available” = 5000	Pre FBP
25.30 – Australia/New Zealand	If AST “Available” < 5000	FBP
25.30 – all other countries	None	FBP
25.40 – small systems	If CLASS “Available” = 2500	Pre FBP
25.40 – large systems	If CLASS “Available” = 32767	Pre FBP
25.40 – small systems	If CLASS “Available” < 2500	FBP
25.40 – large systems	If CLASS “Available” < 32767	FBP

When OrderPro is run on systems in AP that are already on FBP, no .opi file will be generated. All of the License values listed above will have their “Available” and “Used” values printed in the Summary Report.

Both the ‘Available’ and ‘Used’ values in the summary Report for DECT Users will be minus the calculated DECT Visitor Users (rls 25.15 and 25.30).

Notes (applicable to all rules tables)

1. The ITG card calculation method looks for cards that can support ITG ISDN trunks as well as the number of trunks supported on each card. The output is the total ITG ISDN trunks that can be supported on the hardware installed in the system.
2. The AST value is new to the EMEA market and was not previously calculated by OrderPro
3. A capping rule must be applied to large systems in CALA at software level later than 25.30. This will equate to a maximum system usage of 2000 TN for each network group.
4. OrderPro will provide the higher of the ‘Available’ and ‘Default’ values.

Addition requirements in License calculations

Where Licenses will be sold in multiples of 8, the value included in the .opi file will be rounded up to the nearest 8. This applies to Licenses for:

- Analogue + Wired for Analogue
- Digital + Wired for Digital
- CLASS + Wired for CLASS
- DECT Users
- DECT Visitor User
- ITG ISDN Trunks

The term "wired for" is used to define License parameters that exist in a system without having the supporting hardware. According to region, the user will be offered the option to include either spare IPE card slots or unused TNs to the final License value.

This will be done according to the following:

<table>
<tr><th>Region</th><th>Upgrade from</th><th>Option to user</th><th>"Wired for" allocated</th></tr>
<tr><td>US</td><td>All systems, all releases</td><td rowspan="3">Allocate a quantity of the "LEFT TN" value to either "Wired for Analogue" or "Wired for Digital".
The amount allowed to be allocated is from 0 to the "LEFT TN" value</td><td rowspan="3">Allocated per user choice. The total of calculated and wired for analogue and digital users will each be rounded up to the nearest multiple of 8. CALA systems without PKG 131 will be treated as US systems.</td></tr>
<tr><td>Canada</td><td>Small systems at rls 25.30 or later</td></tr>
<tr><td>CALA</td><td>All systems at release 25.40 and later</td></tr>
<tr><td>Canada</td><td>Large systems at all releases and small systems at pre rls 25.30</td><td rowspan="3">Allocate a quantity of the "Spare IPE slots" to either "Wired for Analogue" or "Wired for Digital".
The amount allowed to be allocated is from 0 to the value of "Spare IPE slots"</td><td rowspan="3">Allocated per user choice. CALA systems without PKG 131 will be treated as US systems.</td></tr>
<tr><td>CALA</td><td>All systems at 25.30 and earlier</td></tr>
<tr><td>EMEA</td><td>Pre FBP</td></tr>
<tr><td>EMEA</td><td>FBP</td><td>None</td><td>No</td></tr>
<tr><td>AP</td><td>Pre rls 24B</td><td>Allocate a quantity of the "Spare IPE slots" to either "Wired for Analogue" or "Wired for Digital".
The amount allowed to be allocated is from 0 to the value of "Spare IPE slots"</td><td>Allocated as per user choice</td></tr>
<tr><td>AP</td><td>Rls 24B and later</td><td>None</td><td>No</td></tr>
<tr><td colspan="4">Rules for allocation of wired for units on Option 21 systems</td></tr>
<tr><td>US</td><td>All Option 21 systems</td><td>Allocate a quantity of the "LEFT TN" value to either "Wired for Analogue" or "Wired for Digital".</td><td>Allocated as per user choice</td></tr>
<tr><td>Canada and CALA</td><td>All Option 21 systems</td><td>Allocate 20% of the calculated Analogue plus Digital Licenses and offer the user a value from 0 to this allocated value.</td><td>Allocated as per user choice</td></tr>
</table>

Values from SLT print

In several cases the values used to provide new License values are taken from the LD 22 SLT print.

The following is an example print with the first column of figures being the Available value.

Note that the print out of these figures are controlled by software release, software control and feature packaging, thus not all lines will appear on all systems.

```
TNS                      32767   LEFT    32270    USED    497
ACD AGENT                   15   LEFT        3    USED     12
ACDN                     24000   LEFT    23860    USED    140
AST                        500   LEFT      490    USED     10
LTID                     10000   LEFT    10000    USED      0
DCH                         63   LEFT       59    USED      4
AML                         16   LEFT       12    USED      4
MPH DSL                    100   LEFT      100    USED      0
RAN CON                    150   LEFT      150    USED      0
RAN RTE                    511   LEFT      511    USED      0
MUS CON                    150   LEFT      150    USED      0
ANALOGUE TELEPHONE       10000   LEFT     9956    USED     44
BRI DSL                  10000   LEFT     9992    USED      8
CLASS TELEPHONES           100   LEFT       50    USED     50
DIGITAL TELEPHONES       10000   LEFT     9925    USED     75
DECT TELEPHONES            100   LEFT       44    USED     56
DECT VISITORS             5000   LEFT     5000    USED      0
ATT. CONSOLES               10   LEFT       10    USED      0
DATA PORTS                2500   LEFT     2481    USED     19
PHANT. PORTS              2500   LEFT     2494    USED      6
TRAD. TRKS.               2500   LEFT     2370    USED    130
ITG ISDN TRUNKS           2500   LEFT     2500    USED      0
IP USERS                    10   LEFT       10    USED      0
TMDI DCH                     0   LEFT        0    USED      0
SURVIVABILITY                2   LEFT        1    USED      1
BRAND                        1   LEFT        0    USED      1
```

Note – Prior to rls 24.20, ACD AGENT is displayed as AGNT

C
Suppressing Error Messages

Error codes and other information can be returned from the Meridian 1 during login sessions, which may be of unknown length and format. The items include:

TIMXXX, DTCXXX, TRKXXX, IODXXX, BUGXXX

Other items could include Traffic Measurement and CDR Reports, as well as background terminal messages.

These error messages can have two types of impact on the process:

- Extraction failure: if an error message is sent by the system in the middle of an expected prompt, the OrderPro extraction will hang. In this event, you need to cancel the process (by clicking the <Cancel > button) and begin a new extraction. It is very unlikely that this problem will reoccur in subsequent second extraction.
- Loading failure: If errors have been reported in the LOG file, OrderPro can not guarantee that all of the error messages will be removed and this may result in a loading failure. In this case, OrderPro issues a loading failure message to the user and manual editing of the LOG file is required to remove outstanding error messages.

The output will vary from system to system according to configuration. Most configuration variances can be removed by identifying the TTY port used and changing the configuration for message output during the extraction. The configuration would have to be restored after the extraction to ensure a subsequent valid extraction and loading process.

As an extraction tool, OrderPro does not modify any configuration on a system by itself. If any such manipulation is required during the extraction, it has to be performed by the user. The description of the commands to run is detailed below.

Identifying the TTY port used and the configuration.

On connection to the system and prior to login, enter <cr>, response will be:

```
OVL111 000 IDLE

TTY 00 SCH MTC BUG CTY   12:44
```

This output displays the TTY number (00 upwards) and user class (SCH, MTC, BUG and CTY). The user class may include others but will always be 3 characters.

Note: one option on the TTY is for background terminal (BGD). This will not give the information required and will just return a "." after <cr>. To get the required information, enter *<cr>.

If *<cr> is used on a non-background terminal, then the response is given twice. The option is available to accept this on all systems, or always enter <cr> and only enter *<cr> if a "." is seen.

Example with BGD configured:

```
.*
OVL111 000 IDLE


TTY 00 SCH MTC BUG BGD  CUST 00 - 0   12:47
```

The BGD function is also allocated to a Meridian 1 customer, so ignore CUST and the numbers that follow.

To disable error message Reporting:

After login to the system -

```
LD 17
>ld 17
```

Prompt	Command	
REQ	chg	
TYPE	adan	
ADAN	chg tty X	*Where X = TTY number identified*
TTY_TYPE SDI		*These lines are an auto print from*
CAB 00		*the system. IGNORE any prints until*
CDNO 00		*the prompt DES appears.*
PORT 0		
DES	<cr>	*Enter <cr> to each prompt until USER appears.*
FLOW	<cr>	
ENL	<cr>	
USER	Xabc	

Where 'abc' is the code returned after the TTY number prior to login. Enter Xabc *for all codes except for SCH. Each entry is separated by a space with all being on one line followed by* <cr>

TTYLOG	<cr>
BANR	<cr>

The following sample output will be displayed:

```
MEM AVAIL: (U/P): 461904    USED: 127919    TOT: 589823
```

```
DCH  AVAIL:    60    USED:     4    TOT:    64
AML  AVAIL:    15    USED:     1    TOT:    16

ADAN DATA CHGED
ADAN           END        enter this to exit overlay
```

To re-enable error message Reporting:

Follow the steps to disable error message reporting, but enter the 3-digit code as it is without the X in front for all codes that have been removed.

Note: The exact prompts given by the system while doing this will not be the same. The software release, software feature, and hardware type (for TTY port) will determine what prompts are displayed.

You will need to wait for a prompt and enter <cr> until the prompts you require (USER) are displayed.

D
Cleaning LOG Files

LOG files can be opened with Notepad, etc. LOG files contain the raw data received from the PBX in response to overlay commands.

The LOG file must conform to a standard PBX output according to content, order and position. In most cases, no sanitizing is required.

Periodically, LOG files that are extracted with OrderPro may be corrupted with respect to content, order and position of the outputs. Such LOG files must be edited in order to load into OrderPro to generate OPI files. After editing, the 'clean' LOG file must be saved prior to loading into OrderPro.

The following examples are typical corruptions that may occur to LOG files that require editing.

Corruption in the list of software features.

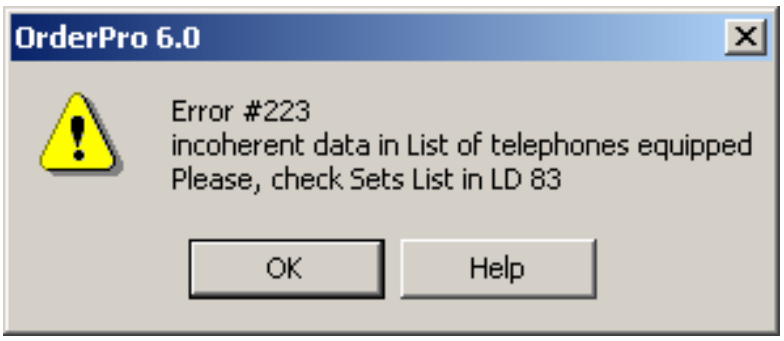
(LD 22/PRT/PKG)

FFC 139
DCON 140
CSA001 9 15:17:26 18/06/2001 4 — **Select the whole line and blank line and delete them both**

MPO 141
ICP 143
ABCD 144

FFC 139 — **Cleaned file is now ready for processing.**
DCON 140
MPO 141
ICP 143
ABCD 144

Loading errors



ERROR #223 is the most common error.

It is caused when the PBX misses a line or adds an error code in the listing of sets.

```
PERSON    18 OCT 2000   00   004 0 00 01   500   4D  2005
PERSON    24 APR 1996   00   004 0 00 05   500   4D  2040
PERSON    24 APR 1996   00   004 0 00 06 →
← 500   4D  2041DTC001
```

Remove DTC001 and spaces

```
PERSON     1 FEB 2000   00   004 0 01 03   500   4D  2080
PERSON    24 APR 1996   00   004 0 01 04   500   4D  2093
PERSON    10 FEB 1996   00   004 0 01 08   500   4D  2129
```

```
PERSON    18 OCT 2000   00   004 0 00 01   500   4D  2005
PERSON    24 APR 1996   00   004 0 00 05   500   4D  2040
PERSON    24 APR 1996   00   004 0 00 06   500   4D  2041
PERSON     1 FEB 2000   00   004 0 01 03   500   4D  2080
PERSON    24 APR 1996   00   004 0 01 04   500   4D  2093
PERSON    10 FEB 1996   00   004 0 01 08   500   4D  2129
```

Cleaned file with uniform pattern

Multiple line cut (error code 223)

The example below represents an even more complex situation. In this case, the original line has been cut twice. In order not to loose any information it is very important to identify the portion of the LOG file which needs to be retained. The alerts can then be removed and the line format restored.

```
TALKER   29 NOV 1995  00  012 0 06 12  500  4D  7289
TALKER   29 NOV 1995  00  012 0 06 13
** XMI000 04/09/01 16:46:46 2137666                    Remove both error
 500  OPRDATA: 124 : Msg from shelf 0: XPEC error #0001 messages
4D  7290
TALKER   29 NOV 1995  00  012 0 06 14  500  4D  7291
TALKER   29 NOV 1995  00  012 0 06 15  500  4D  7292
```

```
TALKER   29 NOV 1995  00  012 0 06 11  500  4D  7288  LOG file cleaned
TALKER   29 NOV 1995  00  012 0 06 12  500  4D  7289
TALKER   29 NOV 1995  00  012 0 06 13  500  4D  7290
TALKER   29 NOV 1995  00  012 0 06 14  500  4D  7291
TALKER   29 NOV 1995  00  012 0 06 15  500  4D  7292
```

ERR CODE 227

Look up ERR CODE 227, identifies something is wrong with LD 97 data

Add “C” and “B” back into the word “CUBE”

```
>LD 97
REQ  PRT
TYPE XPE
   S0  S1  S2  S3  LOC     DIS RGTP

 01 032 032 032 032 0CUBE0  NO  08
 02                 0CUBE2  YES 08
 03                 0UE1  YES 08          <<<<<<<
 04 000 000 000 000 1CUBE0  NO  08
 05 008 008 008 008 1CUBE2  NO  08
 06 016 016 016 016 3CUBE1  NO  08
 07           3CUBE0  YES 16
 08           3CUBE2  YES 16


01 032 032 032 032  0CUBE0  NO  08
 02                 0CUBE2  YES 08
 03                 0CUBE1  YES 08       Cleaned, ready for Processing
04 000 000 000 000 1CUBE0  NO  08
 05 008 008 008 008 1CUBE2  NO  08
 06 016 016 016 016 3CUBE1  NO  08
 07           3CUBE0  YES 16
 08           3CUBE2  YES 16
```

Error # 202



LD 2

TFC000
.TTAD THUR 12 06 2003 12 14 20
.***

A (*) is missing to end the line.
It should be **

OVL000

Add the * , save the change and re-load the LOG file

>LD 22

E

OrderPro Error and Message Listings

SECTION 1 - Extraction

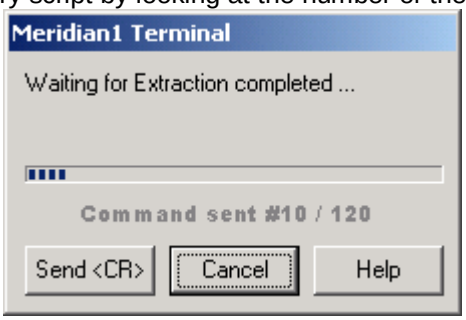
Questions or Indicator Messages

"You changed the position or the size of the Terminal window. Do you want to save the current Terminal Display as default?"

This question is posed to the user before closing the ***Terminal*** screen the first time the terminal window is used on a PC or each time the user changes the position/size of the terminal window or the position/size of the small "Cancel – Send CR" window.

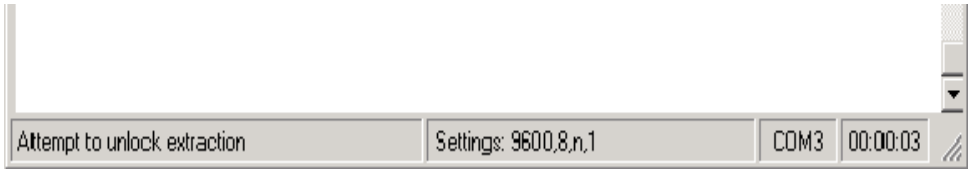
"Waiting for Extraction to be Completed"

A progress indicator is presented in the "CancelSend" window. The user is able to see the progress of every script by looking at the number of the last command sent.

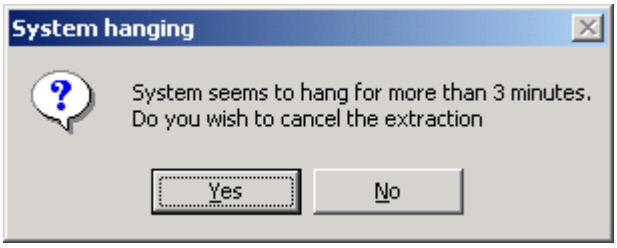


"Attempt to unlock Extraction"

OrderPro will automatically detect if an extraction hangs in order to take action or cancel the extraction. OrderPro consistently looks at the flow of incoming data within the previous 90 seconds. If the amount of digits received in that period is below a target 'Threshold', OrderPro will first send a <CR> character in order to unlock the extraction. The status bar of the terminal screen indicates this action at the bottom of the window:



If, in the following 20 seconds, less information than the threshold is received, then a time-out message is displayed, inviting the user to abort the extraction.



The extraction time-out message is reset every time a command is sent and/or every 30 seconds if the threshold is reached in the previous 30 seconds.

Warnings & Errors

OrderPro doesn't support pre-Release 15 systems. OrderPro has detected Release *RR* on this system. OrderPro will abort this extraction"

Displayed at the end of the pre-extraction, before main extraction, if Release < 15

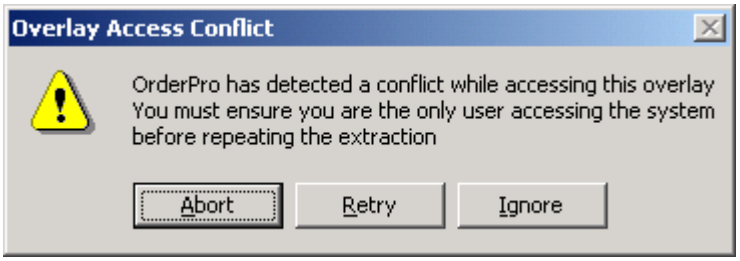
"**OrderPro has detected Software Xss on this system. OrderPro doesn't support this software. OrderPro will abort this extraction"**

Displayed at the end of the pre-extraction, before main extraction, if last 2 digits of the generic field (xx) is different than "11", “08” or “21”

OrderPro does not support CSE1000 Release 1 or 2 upgrades to CS 1000 Release 4.0 or later. Do you wish to resume the extraction for system inventory purposes only?

Display as a warning if X21 found on system running s\w Release < 26

Overlay Access Conflicts



This message may be displayed if the username/password used to connect to a PABX does not have the required privileges to access an Overlay (often a problem with Overlay 97 or Overlay 32). As a result, the extraction may generate critical errors or may not be able to gather relevant information from the system. The error code generated by the M1 can be used as an indication to the end-user.

Detection of "OVERLAY CONFLICT" or "OVL429" (Overlay Memory Space in Use) are common and may result in an inability to access an given overlay.

Insufficient Overlay Access Privileges



Detection of "OVL309" (You don't have access to this overlay) is a definite cause for missing data in the LOG file. It has been found while attempting to access LD97 and LD 83. When detected, OrderPro must advise the user to get more privileges before running the extraction.

SECTION 2 – Loading

Loading Questions

"Is this system running approved Defence Switched Network (DSN) equipped software"

Asked if any 1 or 2 of the three DSN software features are found on the system

"Is this system an Option 81C" (Help button provided)

Distinction with Option81 required where features 298 and 299 are installed or are missing

"Please, specify if the system is a ... OPTION 61 or SL-1 NT"

If the first 2 digits of the generic field = 11 and Number of Loops > 16 (user click on the correct option)

"**Please, specify if the system is a ... OPTION 71 or SL-1 XT"**

If the first 2 digits of the generic field = 12 and (user click on the correct option)

"**Please, specify if the system is a ... OPTION 51 or SL-1 RT**

If the first 2 digits of the generic field = 13 and (user click on the correct option)

"Is remote shelf #XX on superloop YYY, indicated by text 'TTTTTT', a single wall mounted cabinet (Option 11 type). The answer will impact how the remote site is represented on the detailed Report and the number of unequipped slots calculated when upgrading."

If slots 10 - 15 on remote switch = "UNEQUIPPED" ("remote" = FIB or Carrier connection)

The response directly impacts the number of spare slots. The answer to this question is reported in the Summary Report.

"Is there a CallPilot configured in slots X and X+1 of Cabinet #Y ?

A 'No' response indicates that slot X is occupied by an unidentified pack and that slot X+1 is unequipped. In this case slot X+1 will be included in the spare IPE slot count and can be allocated as 'wired for'."

When a Blank ID is returned in the middle of the cabinet and the following slot is free and no other CallPilot has been detected. (small)

The response directly impacts the number of spare slots. The answer to this question is reported in the Summary Report.

"Is there a CallPilot configured in slot 10 of Cabinet #Y"

Same as above with slot10 of the cab (small)

"Is there a CallPilot configured in slot X and X+1 of Shelf #YY?"

Same as above (large)

"There is a Meridian Mail on the switch. Is it an Enhanced Processor Mail ?"

On Option11x systems, if option Mail with more than 6 ports configured for slot 10 and slot 9 is free, then it may be an EC11 Mail in slot 9 or 10 or an enhanced MMAIL using port 10 only (slot 9 would then be spare).

The response directly impacts the number of spare slots. The answer to this question is reported in the Summary Report.

"n ITG cards NTVQ01 have been identified in your system, please confirm how many of these are being used for ITG ISDN trunks?"

The core system software does not provide OrderPro with sufficient information to determine if the NTVQ01B* cards are being used for ITG trunks or ITG lines. The response directly impacts the number of ITG Trunk Licenses that are calculated. The answer to this question is reported in the Summary Report under 'Manual Entries'.

"Please enter the total number of CallPilot ports configured on the system?"

This question is posed when Feature 364 is detected. The response directly impacts the number of Digital Licenses that are calculated. The answer to this question is reported in the Summary Report under 'Manual Entries'.

MAX or LINK/CCR Messages

The following questions are displayed where a MAX or LINK/CCR configuration is found on the system.

The response directly impacts the number of spare slots. The answer to this question is reported in the Summary Report under 'Manual Entries'.

Where application exists and some could be fitted in the cabinet(s) (small)

*: 'TEXT' can be:

"X MAX and Y LINK/CCR applications exist"

"X MAX application(s) exist(s)"

"X LINK/CCR application(s) exist(s)"

"It has been identified that *TEXT on this system of which Y may be installed in working IPE shelves (Help button provided). Please confirm the number of IPE Applications that are installed in IPE shelves."**

"Your input must be between 0 and Z"

Where application exists and some can not be fitted on the shelves (large)

"It has been identified that *TEXT on this system which may be installed in working IPE shelves (Help button provided). Please confirm the number of IPE Applications that are installed in IPE shelves.**

"Your input must be between 0 and Z"

Where application exists and some could be fitted on the shelves (large)

"It has been identified that *TEXT on this system, of which Y may be installed in working cabinets (Help button provided). Please confirm the number of IPE Applications that are installed in working cabinets. "**

"Your input must be between 0 and Z"

Where application exists and some can not fitted in the cabinet(s) (small)

"It has been identified that *TEXT on this system, which may be installed in working cabinets (Help button provided). Please confirm the number of IPE Applications that are installed in working cabinets."**

"Your input must be between 0 and Z"

Loading Warnings & Errors

"OrderPro does not support your installed release"

The M1 s\w release read from the LOG file doesn't match with any supported s\w release. (ex: loading Rls 26 extraction on OrderPro 5.4)

"File does not contain enough information. Please, extract the file again by selecting data extraction from the call menu"

For AP and EMEA regions only. User wants to upgrade/expand on FBP but OrderPro has detected a small extraction, which must be an LD22 extraction, as opposed to an FBP extraction.

"OrderPro can not identify the PBX hardware configuration for this System. Only the software information is available"

Displayed at the beginning of the loading process where the CEQU section is missing or the LD97 on a large system is missing.

Also, no h\w analysis is done on Option21(x) and ST(E).

"Please check that patches MPLR14599/15508 and MPLR 15670 are installed on the Meridian 1. This will ensure accurate License-calculation.

Aims to warn the user of 2 known M1 bugs described in PRS MP12131 and PRS MP13524 :

PRS MP12131 - Fix available for 25.15 and 25.30, fixed in 25.33(MPLR14599/15508)

When creating an IP set, both IP and Digital telephone License's are decremented.

PRS MP13524 - Fix available for 25.15 and 25.30, fixed in 25.37(MPLR 15670)

When creating an ISET as an ACD agent, only the ACD agent License is decremented and not the ISET License. Also, if a service change is done on an ISET ACD set, the number of Licenses for ISET is decremented.

THESE BUGS would only affect calculations if the user is upgrading the PABX from pre-FBP to FBP

"Please, note that the number of XCT cards in the system does not meet recommended guidelines. The number of spare loops specified will decrease by 2 for each additional XCT card fitted"

Issued where there is less than 1 XCT per half group (Large only)

"The following features are not supported on Release 25.40 and will be removed from your keycode"

This message still shows as worded above for (upg/expan to FBP system – EMEA + AP)

"OrderPro did not recognize the following features: YYYyyyyyy...." (Help button provided)

For rls <18 lists s\w features mnemonics OrderPro could not associate with a features number (i.e. excluded from the repackaging)

"A critical Error has been detected. OrderPro can not load the .LOG File" "Please refer to the Errors file" (Help button provided)

Displayed at the end of the loading process + Add list to .Err file + Stops the process

"Errors have been detected during LOG file validation. Do you want to proceed"

Displayed at the end of the loading process + Add list to .Err file + doesn't necessary stop the process.

These errors are not critical to the operation, and can be viewed in the .err file.

"Please enter the number of IPE Applications installed in the system"

If a user selects the <Cancel> button instead of entering a number of IPE application, this critical error is displayed.

"Unable to LOAD the .log file - non standard format found - .log file format must be corrected to proceed"

Always displayed after a critical error message when the loading process has failed.

"OPI file has not been sent to remote server."

Information message confirming the FTP transfer was not successful or the operation was cancelled by the user

"Report Sent to printer."

Information message confirming the selected Report data transfer to the printer was successful.

"WARNING: Ensure that your customer will not require the 'Lost Features'

When features are being removed from a system:

- **Perform a data backup prior to the CS 1000 Release 4.0 upgrade.**
- **Any programming associated with the features must be removed prior to the upgrade in order to prevent potential data conversion problems during the upgrade.**
- **In cases where you have difficulties removing features please contact your technical group"**

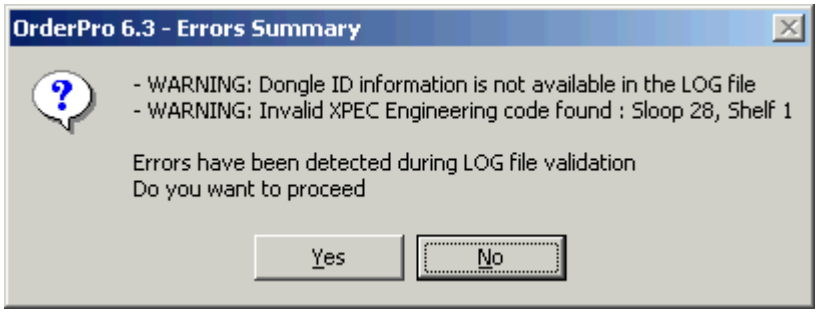
Warning given when downgrading the software level.

Hardware Site Survey

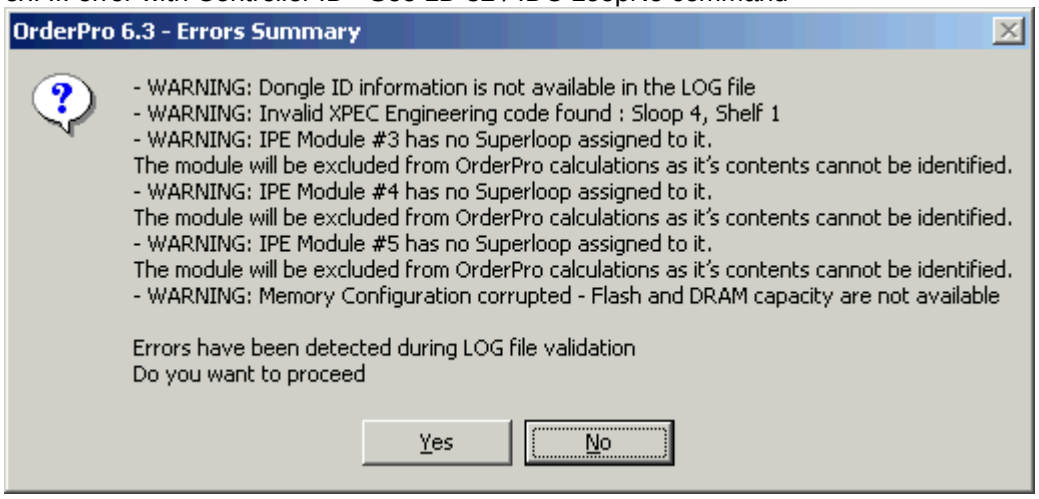
WARNING messages will be displayed when problems occur reading the Engineering codes for SUPL card, MISP card, and the XPEC/XFEC controller. WARNINGS are for information only and when acknowledged will not prevent the OrderPro user from proceeding.

Some of the sample WARNINGS that may be received are as follows:

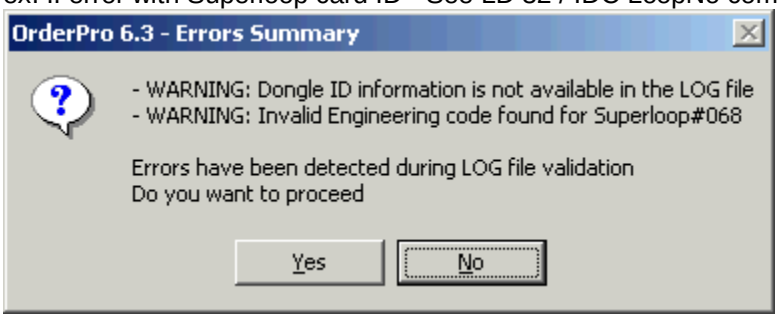
ex: error with Controller ID - See LD 32 / IDC LoopNo command.



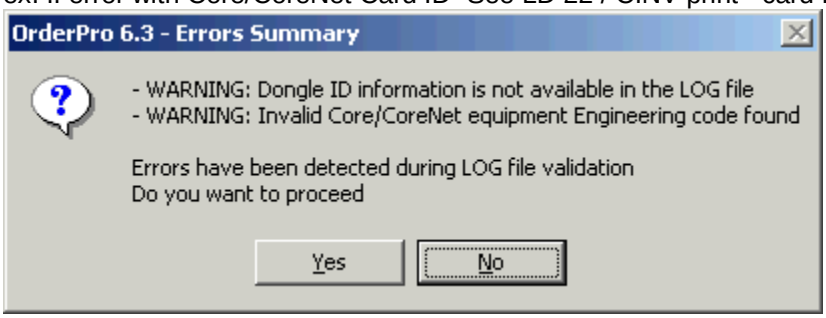
ex. ... error with Controller ID - See LD 32 / IDC LoopNo command



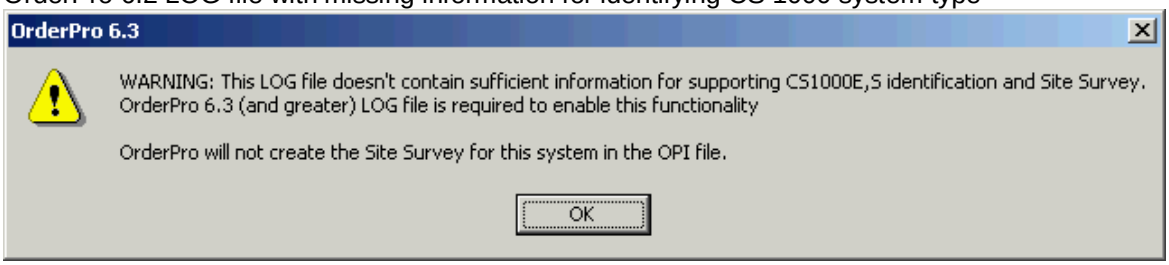
ex. .. error with Superloop card ID - See LD 32 / IDC LoopNo command



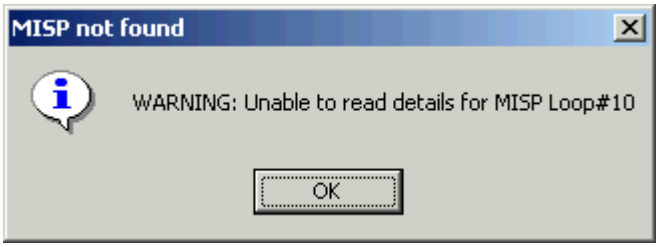
ex. .. error with Core/CoreNet Card ID- See LD 22 / CINV print - card ID must start with "NT"



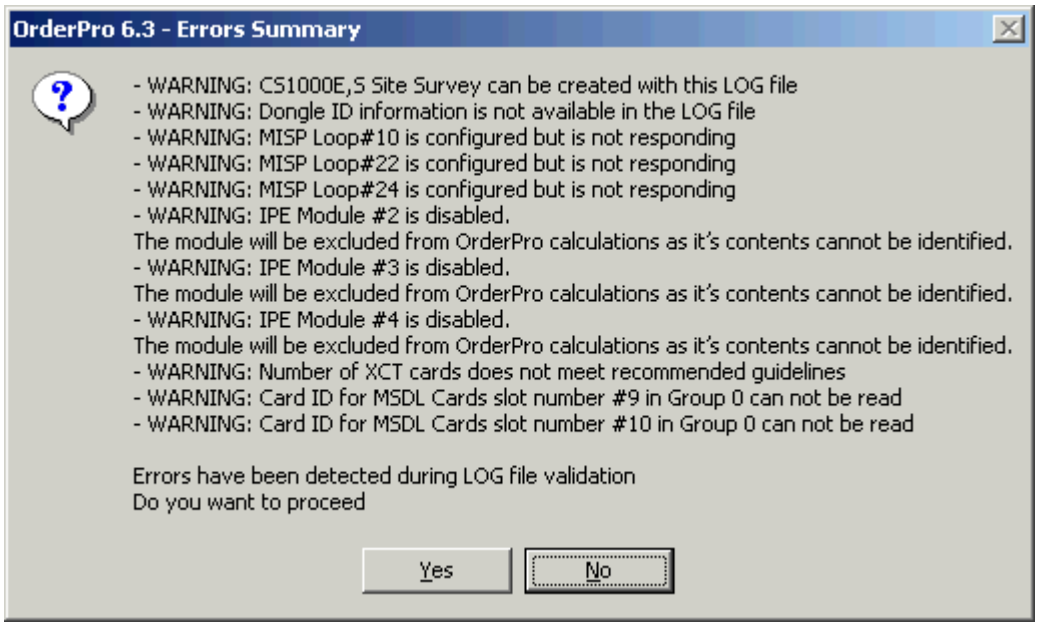
OrderPro 6.2 LOG file with missing information for identifying CS 1000 system type



MISP and MSDL cards description missing - no LD 117 / STAT SS command in LOG file



A Summary of all the warnings is presented to the user at the end of the LOG file loading process indicating that the Site Survey may not represent all card present on the system. An example is as follows:



SECTION 3 - Reporting

Reporting Questions

"Please, Enter Wired Analogue/Digital value"

If required, ensure user has entered a value - similar message is used for TN allocation in NA.

Errors & Information

"WARNING : Prior to the upgrade, you must delete the programming for all features that will be removed from the system, or you may have data conversion problems during the upgrade"

If the user chooses to downgrade Feature sets, this message is displayed before saving the OPI file or Reports.

"Hardware configuration is not available. Site-Survey section will be empty"

While creating an OPI file and the CEQU section is missing or the LD97 on a large system is missing.

Also, no h\w analysis is done on Option21(x) and ST(E).

"The current Site_ID is invalid or not unique. Please, modify or confirm it :"

Prompt before creating Reports or OPI file. OrderPro checks against valid SiteID format (this format varies by region).

“OrderPro cannot create a Report for this system”

Prevents a user from saving a Report or an OPI file if CLASS + ANALOG + DIGITAL > TNs consumed.

SECTION 4 - Other Error messages

Reading data

All of the following errors and warnings indicate corruption in the data in the LOG file. The file must be cleaned.

Error numbers that could be displayed in each case are shown prior to the error message, with information following as to the most likely location in the LOG file for the corruption.

If you observe an error message that is not listed here then please contact OrderPro technical support.

Error Code	Action
200	A non-ascii digit may be inserted in the file - contact Nortel for support
201	Ensure Prompt and Commands are on the same line
201	"LD 83 ; REQ LST ; REQ END missing: unable to comment LOG file" : Add manually ">LOGO" at the end of LOG file
202	Ensure Prompt and Commands are on the same line
203	Check shape of the Users List in LD 83 (last command)
204	Check shape of the CNT matrix in LD 81 (middle of the file)
205	Check shape of the CNT matrix in LD 81 (middle of the file) OR SLT Matrix in LD22 (first quarter of the file)
206	Check shape of the date. It should look like ".TTAD DAY dd mm yyyy hh mm ss " (First command
207	Check LD 22, ISS command output (fisrt Quarter of the file)
208	Check LD 22, ISS command output (fisrt Quarter of the file)
209	Check LD 22, PRT, PKG command output - List of packages(fisrt Half of the file)
211	Ensure you have read/write acces to the folder you are loading the file from.
212	Check LD 22, PRT, PKG command output - List of packages(fisrt Half of the file)
213	Check LD 22, TID Command output.(First Quarter of the file)
214	Check LD 22, SLT Command output.(First Quarter of the file)
215	CheckLD32, IDC Command output.(middle of the file) - ensure no line break - ignore "Weird" character if found
216	Check shape of the CNT matrix in LD 81 (middle of the file)
217	Check shape of the CNT matrix in LD 81 (middle of the file)
219	Check LD20,LUU,500 and LD20,LUVU,2000 commands outputs (3rd quarter of the file)
220	Check LD20,PRT,ATT (or 2250 or 1250 or PWR) commands outputs (2nd half of the file)
221	Ensure LD22,PRT ,CEQU (or CFN) command ends with "OVLY" + ensure that "CEQU" exits (first Half of the file)
222	Seek for LD22 / CFN command and check TERD/TERM/TERQ/SUPL lines.

	They should contains a 3digit No with eventually 'C', 'P' or 'N' in front (first Half of the file)
223	Check shape of the Users List in LD 83 (last command)
224	Seek for LD22 / CFN command and Look at the shape of the ADAN section. Ensure that user is using OrderPro 5.0.8 or later If a line starting by BDS (baud rate) indicate more that 32000, try to replace it with 19600. Rather rare, but difficult to identify
225	Seek for LD22 / CFN command and Look at the shape of the ADAN section. Ensure that user is using OrderPro 5.0.8 or later If a line starting by BDS (baud rate) indicate more than 32000, try to replace it with 19600.
226	Check shape of LD97, SUPL print out (middle of the file)
227	Check shape of LD97, XPEC print out (middle of the file)
228	Seek for LD22 / CFN command and check TERD/TERM/TERQ/SUPL lines. They should contains a 3digit No with eventually 'C', 'P' or 'N' in front (first Half of the file)
229	Seek for LD22 / CFN command and check TERD/TERM/TERQ/SUPL lines. They should contains a 3digit No with eventually 'C', 'P' or 'N' in front (first Half of the file)
230	report to Nortel
231	Seek for LD22 / CFN command and check TERD/TERM/TERQ/SUPL lines. They should contains a 3digit No with eventually 'C', 'P' or 'N' in front (first Half of the file)
232	Seek for LD22 / CFN command and check TERD/TERM/TERQ/SUPL lines. They should contains a 3digit No with eventually 'C', 'P' or 'N' in front (first Half of the file)
233	CheckLD32, IDCS Command output.(middle of the file) - ensure no line break - ignore "Weird" character if found each card description must start with "..=> xxxxxx…." or "NPR….."
234	report to Nortel
235	report to Nortel
236	report to Nortel
237	Seek for LD 22, CFN (or CEQU) command. Then Check shape of section starting with "MCFN" (must be before "OVLY")
238	Check LD 22, TID Command output.(First Quarter of the file) - Minor issue
239	In LD22/CFN (or CEQU) ensure then line starting with "MTYP" is found before "OVLY" and followed by the memory value
240	ignore "Weird" character if found
241	Check in LD32, the last IDC Command output (should be IDC 4).(middle of the file) - ensure no line break each card description must start with "..=> xxxxxx…." or "NPR….."
242	Check in LD32, LIDL/LDIS/LBSY Command output.(middle of the

	file) - ensure no line cut, commands and prompt printed on the same line, etc…
243	report to Nortel
244	Ensure shape of LD20 / LUC command's print out
245	report to Nortel
246	report to Nortel
247	CheckLD32, IDC Commands output.(middle of the file) - ensure no line break - ignore "Weird" character if found each card description must start with "..=> xxxxxx…." or "NPR….."
248	report to Nortel
249	report to Nortel
250	retry extraction
251	retry extraction
252	retry extraction
253	Ensure that the c:\windows\Opxxx.mbd are not 'read only' + relevant MDB file exists for each version. (re-install may be required)
254	report to Nortel
255	report to Nortel
256	retry extraction
258	retry extraction or check LD22 , ISS command output
259	Ensure a Text file exists for this release in C:\OrderPro\Text\ sub folder
260	report to Nortel
261	retry extraction or check LD22 , TID command output
262	retry extraction or check LD22 , ISS command output
263	CheckLD22, PRT , PKG Commands output.(middle of the file)
264	retry extraction
265	Check LD22, SLT Commands output.(first half of the file)
266	retry extraction or Check LD22, SLT Commands output.(first half of the file)
267	Ensure a Text file exists for this release in C:\OrderPro\Text\ sub folder
268	report to Nortel
269	report to Nortel
270	To be ignored usually
271	To be ignored usually
272	report to Nortel
273	Ensure user has Read/Write access to the folder he loads the LOG file from (O'Pro attempt to create a .err file in this location)
274	report to Nortel
275	report to Nortel
276	report to Nortel
287	Automation error: check shape of LUU 500 and LUVU 2000 print out

288	retry extraction (if occur after the pre-extraction)
289	retry extraction (if occur after the pre-extraction) – Ensure LD 81 / CNT / SETS command works
290	Check shape of the CNT matrix in LD 81 (middle of the file)
295	retry extraction
297	Check shape of LD 20 / PRT / PWR print out
298	Check shape of LD 20 / PRT / ATT, 1250, 2250 print out
299	Check shape of LD 20 / PRT / PWR print out
300	To be ignored usually
303	Check LD 22, PRT, PKG command output - List of packages(fisrt Half of the file)
305	report to Nortel
306	Check 4th LD 32 command ICD *LoopNo* prin out – ensure Card ID listed conatians valid characters and print out is complete
307	Check 4th LD 32 command ICD *LoopNo* prin out – ensure Card ID listed conatians valid characters and print out is complete
310	Check LD 22, PRT, CINV command output
311	Check LD 39 print out
312	Check LD 48 / STAT MSDL *LoopNo* FULL print out
313	Check LD 143 / KSHO REC print out
314	Check LD 22, PRT, PKG command output - List of packages(fisrt Half of the file)
501	Check LD117 / STAT SS and LD 22 / ISS print out
504	Check LD117 / STAT SS
505	LD 22 / ISS print out
506	LD 22 / ISS print out
509	CheckLD32, IDC Commands output.(middle of the file) - ensure no line break - ignore "Weird" character if found each card description must start with "..=> xxxxxx…." or "NPR….."
512	Check shape of LD 135 / STAT IPL print out
514	Check LD 20 / TYPE RAN print out
515	Check LD 20 / TYPE MUS print out
516	Check LD 20 / TYPE VGW print out
517	Check LD 20 / PRT DNB DN print out
518	Check LD 117 / PRT SURV print out
520	Repeat the extraction –error reading LD 23 / PRT ACD / CUST x print out in pre-extraction
521	Repeat the extraction –error reading LD 42 / STAT print out in pre-extraction
522	Check format for VXCT_0/1 in LD 97 / SUPL print. If it is not present, check format of "CONF IPMG PORTS IPMG_TYPE"" in LD 22 / CEQU print
523	Check format for LD 117 / PRT ELNK print out
524	Check format of the the fourth LD 20 section. OrderPro looks for

	occurrence of "TYPE DTR"
525	Check format of LD 27 section. OrderPro looks for occurrence of "CARDx"
526	Check format of LD 42 / STAT section - Port can be SDI, PTY, CPSI … and may be "ENBL"or "DSBL"
527	Check LD20,LUU,500 and LD20,LUVU,2000 commands outputs (3rd quarter of the file)
528	Check LD 22, TID Command output.(First Quarter of the file) (SecureID is only available on certain Opt11C)
529	Check format of LD 135 / STAT IPL section - Format of lines can be "IPMG x: LINK UP" (pre-Rls 5.00) or "IPMG 0 0: LINK UP" (Rls>5.00)
530	report to Nortel
531	Repeat the extraction –error reading "IPMG TYPE CSP/SW MSP APP FPGA BOOT DBL1 DBL2" table within LD 22 / ISS section
532	Check for "IPMG TYPE CSP/SW MSP APP FPGA BOOT DBL1 DBL2" table within LD 22 / ISS section
533	Repeat the extraction –error reading LD 20 / DCS command to query DECT Virtual sets
534	report to Nortel
535	report to Nortel
536	Check format of the 4th LD 32 / IDC section (IDC 0, 11, 12 ,13 showing possible MGC daughterboard PEC code)
537	Check format of LD 20 / LTN 3901 and LTN 3902. OrderPro looks for occurrences of "TYPE 3901" and "TYPE 3902"
538	Check for format of the 9th LD 20 section (LD 20 / TYPE 500 / TN xxx)
539	Check for format of the 8th LD 20 section (LD 20 / TYPE DCS / TN xxx)
540	Repeat the extraction – report to Nortel if problem persists
541	Repeat the extraction – error reading LD 81 / CNT / Wrls in pre-extraction - report to Nortel if problem persists
542	Check format of LD 48 / STAT TMDI section
543	Check format of LD 135 / STAT GR section
544	report to Nortel

Other Error codes not listed here will be more difficult to address without technical expertise – please Contact Nortel OrderPro support if you encounter an error code not listed in this table.

Warnings & Errors Collection

The following Errors / Warning are presented to the user as a summary of discrepancies.

If at least one “ERROR” exists, then process will stop. Else, if only “Warning”s, user can resume the process by acknowledging the list of warnings.

"ERROR: S\W Release format not recognized"

"ERROR: Unrecognized configuration: Slot 4, 5 and 6 should Report a 48 Port digital Line-Card"

"ERROR: Unrecognized configuration: Dual Width card on slot XX (Cabinet YY) must be followed by 1 FREE slot

"ERROR: Unrecognized configuration: Triple Width card on slot XX (Cabinet YY) must be followed by two FREE slots"

"ERROR: Incoherent configuration: Dual Width card on slot XX (Shelf #YY) must be followed by 1 FREE slot"

"WARNING: Site ID format not recognized"

"WARNING: Some Features Mnemonics were not recognized"

"WARNING: System Date is not recognized-- Current date will be used instead"

"WARNING: Aux ID not recognized"

"WARNING: License for Analogue telephones not found; Calculated value is used instead"

"WARNING: License for Digital telephones not found; Calculated value is used instead"

"WARNING: License for Wireless telephones not found; Calculated value is used instead"

"WARNING: License for Class telephones not found; Calculated value is used instead" (Rls >25 only)

"WARNING: License for ACD Agents users not found; Calculated value is used instead"

"WARNING: License for TNs not found"

"WARNING: IP Set configuration requires patches MPLR14599/15508 and MPLR15670 installed"

This refers to Software releases 25.15 and 25.30 only

"WARNING: OrderPro has detected no IP cabinet in communication with the main Cabinet - All IP connectivity must be operational before extracting the LOG file"

"WARNING: OrderPro has detected only XX IP cabinet(s) in communication with the main Cabinet - All IP connectivity must be operational before extracting the LOG file"

"WARNING: IPE Module #XX has no Superloop assigned to it. The module will be excluded from OrderPro calculations as it's contents cannot be identified."

"WARNING: IPE Module #XX is disabled. The module will be excluded from Orderpro calculations as it's contents cannot be identified."

"WARNING: Memory Configuration is not available"

"WARNING: Unexpected Engineering Code (PEC) code detected for Option11C :"

"WARNING: Unexpected Program Store value detected."

"WARNING: Unexpected Primary Flash value detected."

"WARNING: Memory Configuration is not available - Flash and DRAM are not available"

"WARNING: Memory Configuration corrupted - Flash and DRAM capacity are not available"

"WARNING: No USER has been identified for YYY n "

where YYY = TTY, DCH, etc…

"WARNING: Number of XCT cards does not meet recommended guidelines"

"WARNING: Daughter board can not be determined"

"WARNING: ***LOGEXTRACT##CEQU* section not found"**

prevent from presenting the h\w details Reports, not the License calculation

"WARNING: ***LOGEXTRACT##SUP section not found (LD97)"**

prevent from presenting the h\w details Reports, not the License calculation

"WARNING: ***LOGEXTRACT##XPE section not found (LD97)"**

prevent from presenting the h\w details Reports, not the License calculation

"WARNING: Invalid Checksum : YYY Checksum"

Problem reading the CNT print out - YYY = License name from SLT matrix (TNS, MUS CON, etc…)

"WARNING: Invalid Checksum : CNT Checksum"

Problem reading the CNT print out

"WARNING: Feature not recognized : FeatNum."

Release < 16 only: When OrderPro can not match a mnemonic with a features number

"WARNING: Number of XCT cards does not meet recommended guidelines"

"WARNING: Some Features Mnemonics were not recognized"

Critical errors during VALIDATION: Error# 202

The validation process aims to ensure that all key-words used during the LOG file analysis are present and can found where expected.

(The validation and the commenting process ensure the structure of the LOG file is correct, but do not guarantee that the data are not corrupted)

"*LOGEXTRACT##TID*** not found - unable to get Site ID"**

"*LOGEXTRACT##ISS*** not found - unable to get S\W Release"**

"*LOGEXTRACT##ISS*** not found - unable to get Generic Number"**

"*LOGEXTRACT##PKG*** not found - unable to get the list of Features"**

"*LOGEXTRACT##IDC3*** not found - unable to determine CPU Type"**

"*LOGEXTRACT##CAB*** not found - unable to determine number no Cabinet"**

"*LOGEXTRACT##DATE*** not found - unable to determine System Date"**

"*LOGEXTRACT##LUC*** not found - unable to identify unused card slots"**

"*LOGEXTRACT##IDC1*** not found - unable to identify Non-IPE Cards"**

"*LOGEXTRACT##IDC2*** not found - unable to identify IPE Cards"**

"*LOGEXTRACT##TID*** not found - unable to determine Aux ID"**

"*LOGEXTRACT##CNT*** not found - unable repair CNT Matrix"**

"*LOGEXTRACT##SLT*** not found - unable to get License limit"**

"*LOGEXTRACT##CNT*** not found - unable to determine count of telephones equipped"**

"*LOGEXTRACT##LST*** not found - unable to identify List of telephones equipped"**

"*LOGEXTRACT##IDCS*** not found - unable to identify List of Card ID per controller"**

"*LOGEXTRACT##LUVU500*** not found - unable to identify List of unused Voice units"**

"*LOGEXTRACT##LUVU500*** + 'TN' not found - unable to identify List of unused Voice units"**

"*LOGEXTRACT##LUVU2000*** not found - unable to identify List of unused voice units"**

"*LOGEXTRACT##LUVU2000*** + 'TN' not found - unable to identify List of unused Voice units"**

"*LOGEXTRACT##CNT*** not found - unable to determine CFN Matrix format / Number of users"**

"*LOGEXTRACT##ATT*** not found - unable to identify Attendant Consoles"**

"*LOGEXTRACT##1250*** not found - unable to identify M1250 Consoles"**

"*LOGEXTRACT##2250*** not found - unable to identify M2250 Consoles"**

"*LOGEXTRACT##2250*** not found - unable to identify Power data block"**

"*LOGEXTRACT##CEQU*** not found - unable to read Common Equipment data"**

"*LOGEXTRACT##SUP*** not found - unable to read Superloop Information"**

"*LOGEXTRACT##XPE*** not found - unable to read Conrollers informations"**

"*LOGEXTRACT##CFN*** not found - unable to read Memory data"**

"*LOGEXTRACT##CINV*** not found - unable to read Memory data"**

"*LOGEXTRACT##CEQU*** not found - unable to read Memory data"**

"*LOGEXTRACT##CFN*** not found - unable to read I/O devices data"**

"*LOGEXTRACT##PERS*** not found - unable to establish Networks groups configuration"**

"*LOGEXTRACT##CFN*** not found - unable to determine CPU Number"**

"*LOGEXTRACT##SLT*** not found - unable to validate checksum"**

"*LOGEXTRACT##CNT*** not found - unable to validate checksum"**

The following screen capture shows an example of an Error #202:



Critical errors during COMMENTING file: Error# 201

Commenting the LOG file aims to facilitate the manipulation of the data contained in the LOG file by sawing it up into sections. You can view these headed sections by editing logcomment.log in the OrderPro directory.

(The validation and the commenting process ensures the structure of the LOG file is correct, but does not guarantee that the data is not corrupted).

"LD 2 missing: unable to comment LOG file"

"LD 22 ; REQ ISS missing: unable to comment LOG file"

"LD 22 ; REQ TID missing: unable to comment LOG file"

"LD 22 ; REQ SLT missing: unable to comment LOG file"

"LD 22 ; TYPE PRT missing: unable to comment LOG file"

"LD 22 ; TYPE CFN missing: unable to comment LOG file"

"LD 22 ; TYPE CINV missing: unable to comment LOG file"

"LD 97 ; TYPE SUPL missing: unable to comment LOG file"

"LD 97 ; TYPE XPE missing: unable to comment LOG file"

"LD 32 missing: unable to comment LOG file"

"LD 32 (x2) missing: unable to comment LOG file"

"LD 32 (x3) missing: unable to comment LOG file"

"LD 32 (x4) missing: unable to comment LOG file"

"LD 81 ; REQ CNT missing: unable to comment LOG file"

"LD 20 ; REQ LUC missing: unable to comment LOG file"

"LD 20 ; TYPE 500 missing: unable to comment LOG file"

"LD 20 ; TYPE 2000 missing: unable to comment LOG file"

"LD 20 ; TYPE ATT missing: unable to comment LOG file"

"LD 20 ; TYPE 1250 missing: unable to comment LOG file"

"LD 20 ; TYPE 2250 missing: unable to comment LOG file"

"LD 20 ; TYPE PWR missing: unable to comment LOG file"

"LD 83 ; REQ LST missing: unable to comment LOG file"

"LD 83 ; REQ LST ; REQ END missing: unable to comment LOG file"

"Validation: ***LOGEXTRACT##DATE* not found"**

"Validation: ***LOGEXTRACT##ISS* not found"**

"Validation: ***LOGEXTRACT##TID* not found"**

"Validation: ***LOGEXTRACT##TID* not found"**

"Validation: ***LOGEXTRACT##CEQU* not found"**

"Validation: ***LOGEXTRACT##CEQU* section not found"**

"Validation: ***LOGEXTRACT##CINV* not found"**

"Validation: ***LOGEXTRACT##SUP* not found"**

"Validation: ***LOGEXTRACT##XPE* not found"**

"Validation: ***LOGEXTRACT##IDC3* not found"**

"Validation: ***LOGEXTRACT##IDCS* not found"**

"Validation: ***LOGEXTRACT##PERS* not found"**

"Validation: ***LOGEXTRACT##LUVU500* not found"**

"Validation: ***LOGEXTRACT##LUVU2000* not found"**

"Validation: ***LOGEXTRACT##LST* not found"**

"Validation: TTAD in ***LOGEXTRACT##DATE* section not found"**

"Validation: .** in ***LOGEXTRACT##DATE*** section not found"**

"Validation: VERSION in ***LOGEXTRACT##ISS* section not found"**

"Validation: RELEASE in ***LOGEXTRACT##ISS* section not found"**

"Validation: ISSUE in ***LOGEXTRACT##ISS* section not found"**

"Validation: Site ID in ***LOGEXTRACT##TID* section not found"**

"Validation: AuxID in ***LOGEXTRACT##TID* section not found"**

"Validation: OVLY in ***LOGEXTRACT##CEQU* section not found"**

"Validation: MTYP in ***LOGEXTRACT##CEQU* section not found"**

"Validation: Program in ***LOGEXTRACT##CINV* section not found"**

"Validation: Primary in ***LOGEXTRACT##CINV section not found"**

"Validation: IDC 4 in ***LOGEXTRACT##IDC3* section not found"**

"Validation: IDCS in ***LOGEXTRACT##IDCS* section not found"**

"Validation: STAT PER in ***LOGEXTRACT##PERS* section not found"**

"Validation: ACD command in ***LOGEXTRACT##CNT* section not found"**

"Validation: SETS command in ***LOGEXTRACT##CNT* section not found"**

"Validation: DTA command in ***LOGEXTRACT##CNT* section not found"**

"Validation: DCFW command in ***LOGEXTRACT##CNT* section not found"**

"Validation: WRLS command in ***LOGEXTRACT##CNT* section not found"**

"Validation: VCE command in ***LOGEXTRACT##CNT* section not found"**

"Validation: FLXA command in ***LOGEXTRACT##CNT* section not found"**

"Validation: AGTA command in ***LOGEXTRACT##CNT* section not found"**

"Validation: VMA command in ***LOGEXTRACT##CNT* section not found"**

"Validation: CNUA command in ***LOGEXTRACT##CNT* section not found"**

"Validation: CNUS command in ***LOGEXTRACT##CNT* section not found"**

"Validation: VSIT command in ***LOGEXTRACT##CNT* section not found"**

"Validation: FEAT CUST in ***LOGEXTRACT##CNT* section not found"**

"Validation: SETS count in ***LOGEXTRACT##CNT* section not found"**

"Validation: VCE count in ***LOGEXTRACT##CNT* section not found"**

"Validation: NACT in ***LOGEXTRACT##CNT* section not found"**

"Validation: TN in ***LOGEXTRACT##LUVU500* section not found"**

"Validation: TN in ***LOGEXTRACT##LUVU2000* section not found"**

"Validation: PAGE in ***LOGEXTRACT##LST* section not found"**

"Validation: NACT in ***LOGEXTRACT##LST* section not found"**

F
Upgrade Paths

Upgrade Paths

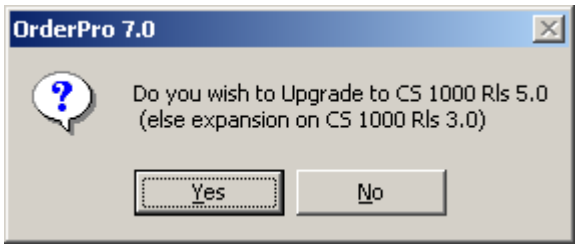
Two Possible routes are proposed by OrderPro if a choice is possible (based on the s\w release and region):

Americas:

Routes supported

- Rls 15 to Rls 25.47 upgrading to Current release of software (OPI file)
- Expansions on CVSD Software releases (Summary Report in OrderPro)
- Hardware Site Survey for all releases after Release 15 (including CVSD software releases) (OPI File)

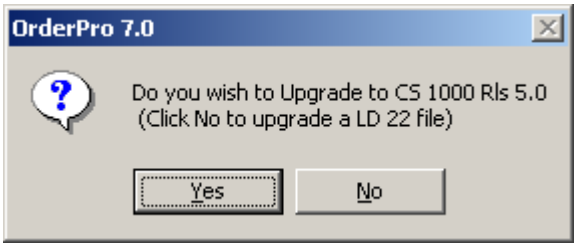
Messages to user



EMEA:

Routes supported for Pre-FBP

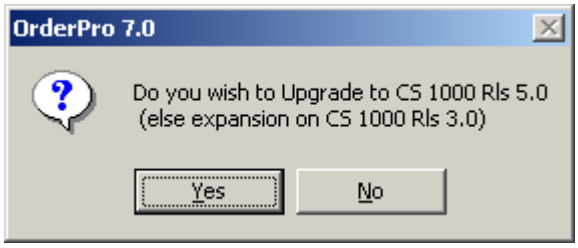
- Upgrade to Current release of software
- LD 22 software inventory



Routes supported for FBP systems

- Upgrades to s\w Release 4.5 is only supported for CS 1000S (from 4.0 to 4.5 only) and for MG 1000T (from 4.0 to 4.5 only)
- Upgrades to s\w release 5.0 are supported for all FBP systems
- Expansion on s\w release 25.40 and 2.00 are no longer supported
- Expansions on s\w release 3.0 , 4.0, 4.5, 5.0 are supported (H\w Site Survey)

Messages to user for all FBP systems



AP:

Routes supported for Pre-FBP

- Upgrade to Current release of software

Routes supported for FBP systems

- Upgrades to s\w Release 4.5 is only supported for CS 1000S (from 4.0 to 4.5 only) and for MG 1000T (from 4.0 to 4.5 only)
- Upgrades to s\w release 5.0 are supported for all FBP systems
- Expansion on s\w release 25.40 and 2.00 are no longer supported
- Expansions on s\w release 3.0 , 4.0, 4.5, 5.0 are supported (H\w Site Survey)

G

Known Meridian 1 / CS 1000 Related Issues

The following summarizes known problems which exist on the Meridian 1 switch that can impact the operation of OrderPro.

Extracting:

1. **Scenario: Large Switch without SW Package 20**
   Error: OrderPro hangs after sending LD 81 - Status bar='Waiting for REQ'

   Cause: S/w feature #20 (ODAS) may be missing. This has been found on some large switches in the CIS.

   Fix: Ensure Feature 20 is enabled, otherwise request CTS engineers to enable it (re-initialization of the switch may be required)

2. **Scenario: Large Switch without SW Pkg 20**
   Error: Error#201 | LD 20; Type 1250 missing: unable to comment LOG file

   Cause: Feature# 20 has been enabled but the switch needs to be re-initialized?

   Fix: It is thought that re-initializing the switch will resolve this problem.

3. **Scenario: OrderPro extraction from Rls 16 switch**
   Error: Pre-extraction hangs: 'REQ ISS (LD 22) not found' followed by text such as 'unable to identify IP Cabinets'.

   Cause: 'Patch 002 inserted' & 'Patch 002 removed' causing the pre-extraction to be corrupted on Rls 16 software.

   Fix: OrderPro level 3 technical support will be required to support problem resolution. ref: IR 20112

4. **Scenario Error: Extraction hangs:**
Error: OVL039 error displayed on screen as the response to the last LD XX command

Cause: Indicates the Login used does not have the required privileges to access an Overlay.

Fix: End-user must log into the switch using a username with the required privileges.

5. Scenario: Rls 23 & 24 Op11C which include BRI / MISP
Error: Extraction stops when running LD81 and the last command sent is FEAT CNUA or FEAT VSIT. The Status Bar shows 'Waiting for NACT'. (1)

Cause: This problem arises when a MISP is installed on an Option 11C

Fix: Remove the MISP & re-run the extraction or apply patch MPLR10456 as a fix for software releases 23.18, 23.35, 23.47, 24.09, 24.22, and 23.55. The PRS reference is BV77382.

6. Scenario: Rls 24. 24, 25.08 and 25.30 Op11C
Error: Extraction stops when running LD81 and the last command sent is FEAT CNUA or FEAT VSIT. The Status Bar shows 'Waiting for NACT'. (2)

Cause: This patch is relevant for Opt 11C only at rls 24.24, 25.08 and 25.30.

Fix: Apply patch MPLR15624

7. Scenario: **Large system extraction stops with the system issuing error code NPR020 repeatedly**
Error: Standalone CS 1000 system running x21 release 4.00T with CP4 processor receives continuous NPR020 errors after sending LD 32 / STAT PER 10 command.
Cause: Software bug - patch is available
Fix: Apply patch MPLR19351 - the patch filename is P19351_1CPP

Loading:

Warning: Memory Configuration corrupted - Flash and DRAM capacity are not available

Cause: The MCFN print for CP2/3/4 is not complete, and the headers are missing, this looks like

MCFN 016 000 016 000 000 000

Fix: A similar problem has been reported with PRS BV81592, which has been fixed with an early release of 24

Reporting:

Scenario: Rls 20 & 21 Op11E with digital users

Error: OrderPro reports up to 20 digital sets more than are configured on an Option 11E switch.

Cause: The problem is thought to relate to PRS reference BV53791.

Fix: A Meridian 1 s/w patch (MPLR08067) to workaround the problem is available.

Error: **Incorrect Analogue user and Wireless users ISM:**

OrderPro provides too many Wireless users ISM and insufficient Analogue users ISMs.

Cause: This could be caused by an incorrect configuration on the system where analog users are set as wireless.

The wireless sets are counted from the LD 81 CNT matrix when the WRLS prompt in LD 10 is set to YES for an analogue set configured on an Analogue line card.

No reason has been found as to why this may be configured in this manner.

Fix: Reprogram these sets by changing WRLS = YES to WRLS = NO. This may mean removing all of the sets and then putting them back as new.

H

Known OrderPro Issues
(applicable to all releases)

Telrad X91 issue

Incorrect Digital user and/or ACD Agent users ISM on Release 16 and Release 18 – Israel:

OrderPro calculates Digital users ISM and ACD Agent users ISMs from LD 81/CNT. The Telrad Digital sets Type 96xx or 9335 don't update the LD 81 / CNT table when configured. This means that OrderPro will not account for them when calculating the equivalent Digital users ISM and ACD Agent users ISMs. OrderPro reports an invalid checksum in LD 81 / CNT print out

Fix: A Meridian 1 s/w X91 patch (not an MPLRxxx) is available to local team's patch management system for Release 18. For release 16, it is necessary to manually update the "2000" column in CNT table based on the expected checksum value per line.

Error: *"Can't find script engine VBScript" when launching OrderPro.*

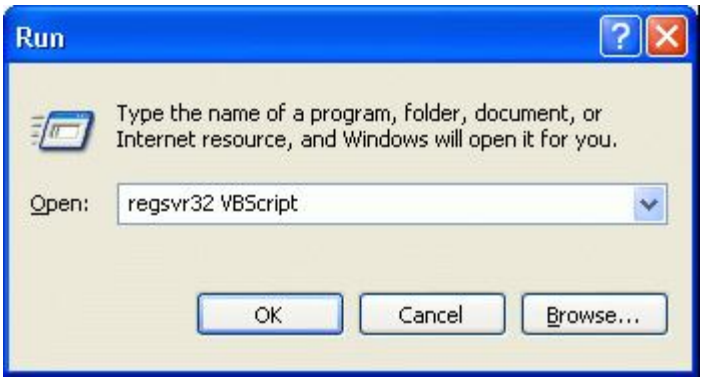
Cause: The dynamic link library (DLL) VBScript.DLL is not properly installed on your computer.

Fix: Ensure VBScript.DLL exists on your computer:

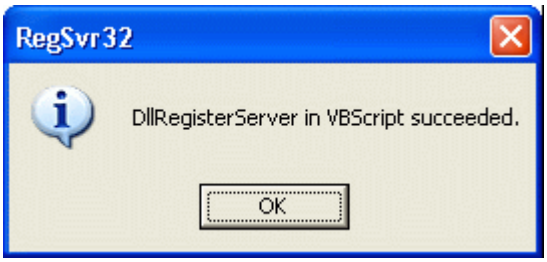
- under "Start" select "Search"
- select "All Files and folders"
- type the file name "vbscript.dll" and press the "Search" button.

a) If "vbscript.dll" file exists on your computer then:
   - under "Start" select "Run"

- Type "**regsvr32 VBScript**" in the Run Dialog as shown in the screen capture below.



If the registration is successful, you will get the following message:



If the registration fails, either the vbscript.dll file is corrupted or there is a security problem with your corporate environment. In both cases, please contact your local Desktop to support.

b) If “vbScript.dll” file is missing form your computer:

Please contact your local Helpdesk support to address the problem

I

OrderPro Release Notes

NOTE re: OrderPro warning messages

OrderPro adds the following line in plain text on top of the summary and detailed reports whenever a warning message has been raised during the load:

"!! OrderPro has detected error(s)/Warning(s) when loading file !!"

This warning doesn't prevent OrderPro from loading the LOG file. The warning is printed on the reports when any WARNING type message is received during the loading process. Some examples of the kinds of WARNING messages that generated this message are:

WARNING: Number of XCT cards does not meet recommended guidelines
WARNING: Site Survey can not be created with this LOG file
WARNING: CS1000E,S Site Survey can not be created with this LOG file
WARNING: DSN systems can only be upgraded to CS 1000 Release 3.0
WARNING: Feature not recognized : xxx, yyy...
WARNING: Some Features Mnemonics were not recognized
WARNING: IPE Module #XX is disabled.The module will be excluded from OrderPro calculations as it's contents cannot be identified.
WARNING: Memory Configuration is not available
WARNING: Memory Configuration corrupted - Flash and DRAM capacity are not available
WARNING: Any Companion wireless sets configured as standard analogue sets (prompt WRLS = NO in LD 10), will be counted as Analogue Telephone Set Licenses.
WARNING: Invalid Engineering code found for Superloop #XXX
WARNING: MISP Loop#XXX is configured but is not responding

NOTE re: Address Book Backups

Periodically you should back up your address book for safe keeping. To back up your address book:

- Copy the OPBookmark61.cfg file located in the c:\Program Files\OPFiles directory to another location of your choice.
- If for some reason your address book gets corrupted, you can copy the backup file to the c:\Program Files\OPFiles directory"

Regional Abbreviations used throughout this section

Americas: Canada, United States and the Caribbean and Latin America (CALA)

EMEA:	Europe, Middle East, Africa
AP/GC:	Asia Pacific, Greater China
ALL	Applicable to all regions listed above

OrderPro 6.6.0

OrderPro 6.6.0 Problem Resolutions

[ALL] Extraction may hang at LD 117 / STAT SS command

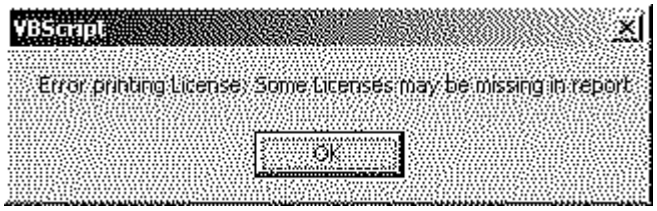
One system responding with error code "NPR" to the LD 117 / STAT SS command caused OrderPro 6.5 extraction to hang. Order Pro 6.6 handles these cases where non-supported LD 117 command returns 'OVL309'.

[ALL] ITG Trunk Rls 3.00 and later can be taken from LD 22 SLT

NTVQ01 cards may support various applications, including ITG Trunking.
OrderPro 6.5 was asking the user how many ITG cards are used for ITG Trunk for Rls 3.00 and later systems. For Rls 3.00 and later systems this information should be taken from the LD 22 SLT.
OrderPro 6.6 only asks the question if s\w Release < 3.0.

[UK – BT only] SIP Access Port, SIP Converged Desktop rule missing

On OP 6.5, users get a non-critical error when loading a LOG file with Site Location = UK-B.T.



OrderPro 6.6.1

OrderPro 6.6.1 Problem Resolutions

APPICABLE TO ALL REGIONS

- Broadcast Circuits count per Media Gateway (CS1000E)
- Problem reading unresponsive MISP cards
- Problem reading MISP cards with Loop # = Superloop # (Generic 21)
- MSDL ports with type = STA, STA ADM, STA TTY & STA SYS
- Error reading DTR (Small)
- Error reading DTR (Release<=18)
- Extraction hanging at LD 96
- Extraction stops at LD 96 / MAP DCH
- Site-Survey Functionality in OrderPro
- DongleID Message will be displayed only when appropriate
- CS100S vs. CS1000M with IP cabinet identification

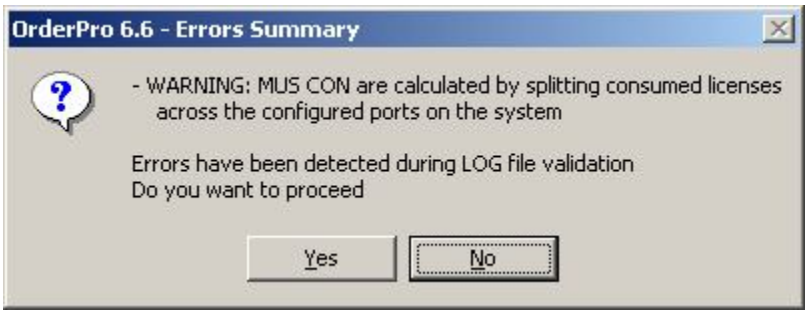
[ALL] Broadcast Circuits count per Media Gateway (CS1000E)

OrderPro 6.6.0 calculates the number of Mus and Ran ports configured instead of the number of actual Ran and Mus connections which consume DSPs.

The number of Ran Connections will be taken from the LOG file (LD20/Type RAN).

The number of Mus Connections is not available from the LOG file. The total number of consumed MUS CON Licenses will be evenly spread across the ports configured for Mus Connections. A warning message has been added at the LOG file loading stage and also in the detailed report. Users are also able to modify the Mus Con value in the Advanced site survey in OrderPro.

a) Warning Message will be displayed during loading of the LOG file:



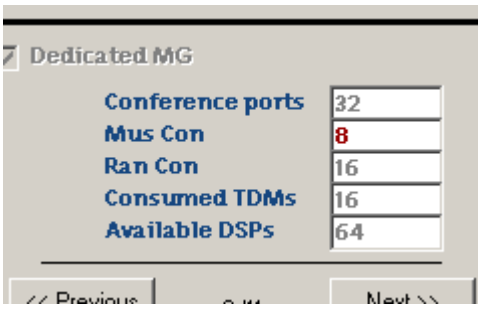
b) A Warning has been added to the detailed Report:

```
 [...]
Media Gateway #011 : IP = 10.36.149.182, Name = not set
Site    Module# Slot    S'Loop  Code    Unused Ports
```

```
'001'   0       0       000     NTDK20          0
        0       1       000     NTEZ56AA        0       (RANCON:16 MUSCON:8)
        0       2       000     UNEQUIPPED      0
        0       3       000     NTVQ01BA        0       (DSP:32)
        0       4       000     NTRB18CA        0       (TDM Agt:16)

        1       7       000     NPR CODE        0       (DSP:32)
        1       8       000     NT8D09BB        7
        1       9       000     NT8D09BA        10
        1       10      000     UNEQUIPPED      0
MUS CON are calculated by splitting consumed licenses across the configured ports on
the system
[...]
```

c) Users can modify the Mus Con value in the "Advanced SiteSurvey" screen:



Note: OrderPro ensures that the total number of MUS Connections set by the user matches the number of MUS CON licenses consumed before saving the changes.

[ALL] Problem reading unresponsive MISP cards

In OrderPro 6.6.0, error code SCH5866 ("Either the BRIL or the BRIT package needs to be equipped.") in LD 27 causes unnecessary problems when no BRI is equipped on the system.

OrderPro 6.6.1 will only read LD 27 when a MISP Loop is found in the s\w configuration (LD22/CEQU).

[ALL] Problem reading MISP cards with Loop # = Superloop # (Generic 21)

On OrderPro 6.6.0, Option 11x, CS1000E, MG 1000B, MG 1000T, CS 1000S, CS1000M-Cab/Chassis systems (Generic 21) may receive the following error message which stops the Log file loading process. This occurs when a MISP loop exists with the same number as a Superloop number. OrderPro 6.6.0 validated the Superloop number with the type of equipment associated with it for all system types.



(loop number can be different than 4)

OrderPro 6.6.1 will continue this validation for Large Meridian 1 systems, but will not apply this validation to Generic 21 systems (as listed above) since Superloop numbers are irrelevant for these system types. .

[ALL] MSDL ports with type = STA, STA ADM, STA TTY & STA SYS

With OrderPro 6.6.0 - only DCH, SDI, AML port types are supported for MSDL cards. The user may receive the following error when loading a LOG file if other MSDL port types are configured on the system:

"Error 312: Invalid Port Type found for MSDL cards DNUM#xx."

With OrderPro 6.6.1, all types of MSDL ports are supported, including new STA, STA ADM, STA TTY & STA SYS types.

[ALL] Error reading DTR (Small)

OrderPro 6.6.0 attempts to read the DTR information for small systems and incorrectly store the data in a table which is based on Superloop numbers. An error is not always raised on because for small systems DTR are always configured on the SSC card which is correctly handled by OrderPro. The error occurs only if DTR are configured on cards placed in slot#1 and above.

The workaround for OrderPro 6.6.0 is to manually remove the DTR units causing problems since DTR ports are not used by OrderPro for small systems.

In OrderPro 6.6.1, DTR ports are no longer read for small systems.

[ALL] Error reading DTR (Release<=18)

OrderPro 6.6.0 was updated to read the DTR ports for systems. OrderPro 6.6.0 reads the DTR ports incorrectly from the Log file for systems running release 18 and lower. On these releases, the type indicator in LD 20 does not have a colon ":" as shown below.

For Rls <=18	For Rls>18
>LD 20 REQ: PRT TYPE DTR …	>LD 20 REQ: PRT TYPE: DTR //note colon

OrderPro 6.6.1 has a new rule to look for "TYPE DTR" (without colon) when the software release is <=18, and as such will count the DTR ports correctly.

[ALL] Extraction Stops at LD 96

OrderPro 6.6.0 extraction stops when LD 96 is not a valid overlay and the command prompt returned by the system is the root prompt ">".

On OrderPro 6.6.1, the extraction script has been updated to accept either the regular "." prompt or the root prompt ">" for LD 96. Although, the problem was observed on an Option 21 system, the change applies to all system types.

[ALL] Extraction Stops at LD 96 / MAP DCH

On OrderPro 6.6.0, the LOG file extraction for some systems may stop at the LD 96 / MAP DCH command.

On OrderPro 6.6.1, the LD 96/MAP DCH command has been removed from all the scripts on OrderPro 6.6.1 since it is not mandatory.

[ALL] Site-Survey Functionality in OrderPro

In OrderPro 6.6.0, you are able to update the Site Survey information for a system using the Advanced Site Survey button. OrderPro 6.6.0 allows users to save the detailed Site survey work and to re-load it as required. 2 new buttons (Save as… and Open) were added to the *Advanced Site Survey* screen in OrderPro 6.6.0. After uploading a Site-Survey database file, it is necessary to press <Save> button to commit the change but this button is disabled at this stage. The user has to make a "dummy" change to the site survey to have the <Save> button enabled again.

In OrderPro 6.6.1, the <Save> and <Save As...> buttons are enabled as soon as a Site-Survey database file is uploaded, forcing the user to commit/Cancel this change prior to leaving the Site Survey page.

[ALL] Dongle ID Message will be displayed only when appropriate

OrderPro 6.6.0 displays a Warning message every time the Dongle ID information is missing from any Large system LOG file.

OrderPro 6.6.1 has been modified and will not display this Warning message for large systems running Release 23 or lower since they do not have Dongles.

[ALL] CS1000S vs. CS1000M with IP cabinet identification

OrderPro 6.6.0 assumes that if LD 135 / STAT IPL shows "LINK UP" connectivity, then the system must have Media Gateway(s) and therefore, can not be an Option 11C or a CS1000M Cab/Chas. system.

An Option 11C or a CS1000M Cab/Chas. system with IP connected cabinets will show "LINK UP" for LD 135 / STAT IPL. Because OP 6.6.0 interprets such system as being a CS1000S, Error #245 "Unrecognized Loop configuration detected" is always raised because it is assumed that no cards should exist in slot#0 to #10 (Loops number correspond to Card No on small systems).

OrderPro 6.6.1 includes a pre-validation of slot# 0 to # 10. If any of these slots is not set to "unused" in the LOG file, then the system can't be a CS1000S system, even if the IP connected module is connected to the core module.

OrderPro 6.6.1 Enhancements

APPICABLE TO ALL REGIONS

- Report unused/used TDM unit for CS1000E
- Preset Module coordinates to default positions (Large M1 site survey)
- Create a representation of system BayFace layout in reports and advanced site survey screen (Large M1 site survey)
- Add IGS module to SiteSurvey
- Reading and reporting MWA units from the system (CP Mailbox count)
- Handle "MVLC" as prefix for a Card's PEC code
- Use IOD/UC card to set Media Type for Release 23 (Large M1)
- Progress bar/indicator while creating the OPI file

AMERICAS ONLY

- Display SecurityID/DongleID for Option11C

[ALL] Report unused/used TDM units for CS1000E

OrderPro 6.6.0 always reports 0 for unused ports on Line cards for CS 1000E systems.

OrderPro 6.6.1 will count from the list of unused Virtual units the number of unused ports for each line card and report them in the detailed report.

[ALL] Preset Module coordinates to default positions (Large M1 site survey)

OrderPro 6.6.1 will set by default coordinates for all modules (Core, Corenet, Network, IPE) per Nortel Engineering guidelines for each system type.

OrderPro will apply the following engineering rules:

Network modules:

First module always in Tier 1

Second module always in Tier 2

Core modules:

Always in Tier 0

First module always in Col 0, second module always in Col 1

If 1 Network group, then it is in column 1

If 2 Network groups, then first is in column 1and second is in column 0

If more than 2 Network groups, then extra group is in column starting at 2, etc…

CoreNet:

Same rule as for Core modules

IGS:

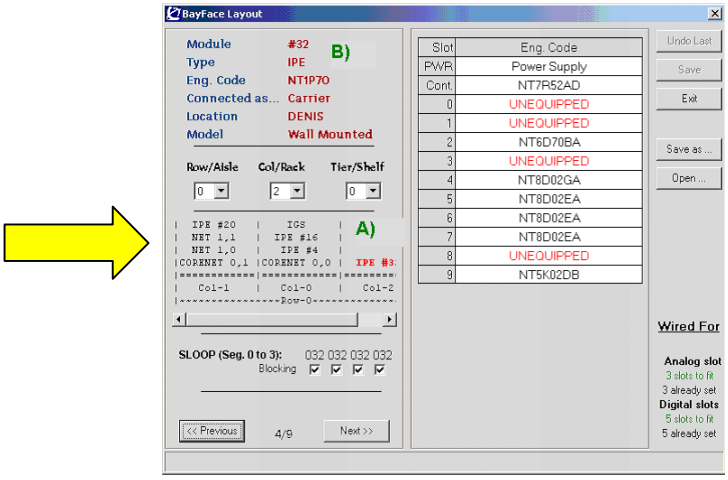
If exists, is always located in Col 0, Tier 3

IPE:

Fill the remaining positions starting by Tier 0 of Col 0 to Tier 3 of col X.

[ALL] Create a representation of system BayFace layout in reports and advanced site survey screen (Large M1 site survey)

This enhancement aims to make setting the module coordinates in the *Advanced Site Survey* Screen easier and to provide additional information in the OrderPro detail report.



PART 1: OrderPro 6.6.1 provides a representation of the system layout to assist the user in setting the module coordinates for large M1 systems. See section **A)** in the screen capture above.

The current module you are working on coordinates for is highlighted in RED in the graphical representation of the system. The drawing of the Bayface is contained in a Text box with a scroll bar to allow the user to view systems of any size.

To fit this new information in the screen, the line spacing of the module information and coordinates at the top of the screen has been reduced. See **B)** in the screen capture above.

PART 2: This Bayface representation of the system is also included at the end of the detailed report:

[…]

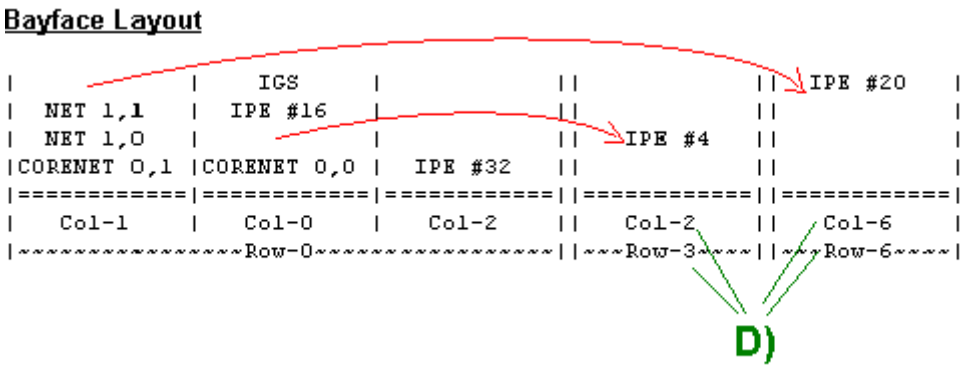
Bayface Layout

```
|  IPE #20   |    IGS     |            |
|  NET 1,1   |  IPE #16   |            |
|  NET 1,0   |   IPE #4   |            |
|CORENET 0,1 |CORENET 0,0 |  IPE #32   |
|============|============|============|
|   Col-1    |   Col-0    |   Col-2    |
|~~~~~~~~~~~~~~~~Row-0~~~~~~~~~~~~~~~~|
```

[…]

Although the default coordinates for a configuration is proposed where the modules are all stacked properly in a same Row/Aisle, the user can choose/modify coordinates freely. For example, the coordinates for the system shown above can be modified with multiple Row/Aisle.

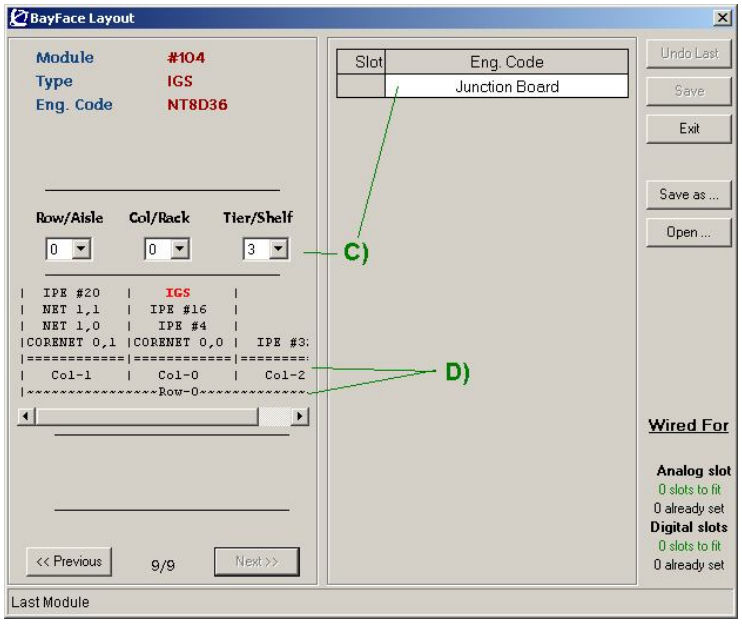
Please note the representation of the Row and Column in the bayface. **D)**



[ALL] Add IGS module to SiteSurvey

OrderPro 6.6.1 will automatically add an IGS module for multi-groups systems without FNF so that the user can set the module coordinates for it in OrderPro. See area **C)** in the screen capture below.

NOTE: the application modules such as MMAIL, if they exist, are not accounted for by OrderPro and so the user will need to adjust the module coordinates of the modules in the system to account for space for the application modules.



[ALL] Reading & Reporting MWA units from the system (CP Mailbox count)

This enhancement adds a new line to the Summary report that will identify the number of sets with Message Waiting Allowed (MWA) class of service set to yes.

The new field will look as follows:

"Number of sets with MWA Class of service set to Yes : xx "

This information aims to give the user some indication with respect to the number of CallPilot Mailboxes in their system, but does not suffice to accurately determine the number of CallPilot Mailboxes on the system.

[ALL] Handle "MVLC" as prefix for a Card's PEC code

When queried, some IPE cards return a prefix before the NT code as follow:

.IDC 028 0 07

⇨ MVLC NT8D09AH0003

OrderPro 6.6.0 reads the first 8 digits placed after the "=>" mark to identify the card ID that is shown in the detailed report. OrderPro 6.6.0 holds the following list of such known prefixes that it uses to

identify cards: "LC", "XDLC", "XMLC", "XLMC", "XFALC", "XDSG", "XDTR", "MWLC", "MVLS", "XUT ".

When these prefixes are found, OrderPro ignores them and reads the following 8 digits, which is usually the NT code.

In OrderPro 6.6.1, the prefix list has been updated to add "MVLC".

[ALL] Use IOD/UC card to set Media Type for Rla 23 (Large M1)

In OrderPro 6.6.0, the rule for setting the Media Type field for Large systems is as follow:

For CP PII and below:

Rls 23 = *indeterminate*,

Rls<23 = *Floppy Disk*,

Rls>23 = *CD ROM*

For CP PIV and later = *Flash Card*

In OrderPro 6.6.1, the rules will be updated as follows for Rls 23 only systems when an IODU/C (NT5D61) is found on the system in the core inventory:

For CP PII and below:

Rls 23 and no IODU/C (NT5D61) is found = *indeterminate*,

Rls 23 and if IODU/C (NT5D61) is found = *CD ROM*

Rls<23 = *Floppy Disk*,

Rls>23 = *CD ROM*

For CP PIV and later = *Flash Card*

[ALL] Progress bar/indicator while creating the OPI file

OrderPro 6.6.1 now displays an indicator for the following:

- When creating/updating the summary report and the detailed report
- When creating the OPI file.

This enhancement aims to inform the user about OrderPro activity in situations where these operations take some time to complete.

The indicator messages the user will receive are:

- "Building Detailed Report..."

- "Building Summary Report..."
- "Building OPI file..."



[Americas] Display SecurityID/DongleID for Option11C

For Option 11C systems (Generic 2111), a new field in the Summary report has been added to show the systems Dongle ID/Security ID. The new field will be called "Dongle/Security ID:" and will appear right after the AUX ID. The value displayed will be the "Security ID" field that is captured in the LOG file.

OrderPro 6.6.2

OrderPro 6.6.2 Problem Resolutions

[ALL] Prevent unexpected Extraction stop while reading LD 96

Further Details: This problem occurred occasionally when s\w feature 145 (ISDN) is restricted on a system. In this case, overlay 96 can not be entered and OrderPro improperly interpret the "." prompt returned by the system as a confirmation that the overlay is accessed. In fact, in this scenario, both the "." and the ">" prompt are returned by the system, making OrderPro interpretation random. The new script detects "DCH000" if the overlay could be entered, and "DCH001" if the access failed, ensuring a correct determination of the suite of commands to send.

[ALL] Prevent “Error#241,#247: Unrecognized IPE configuration found” on CS1000S systems

Further Details: Reading IDC 0 command always fails because cards 0 to 10 cannot have card ID on CS1000S since the first cabinet on CS1000S systems is replaced by a Call Server on such systems.
The change prevents OrderPro from issuing IDC 0 command for small systems and skip manipulation of IDC command if card number is 0 in order to support previous LOG files version.

[ALL] Correct MISP code representation in Site Survey

Further Details: On previous versions of OrderPro when a MISP card did not return its eng. code when queried (LD 27, MISP, xx), OrderPro displays a warning saying that the MISP card will be represented by "MISP" code in the Site Survey. However, the card slot would show a blank code in the detailed report and in the Site Survey (OPI file). OrderPro 6.6.2 fixes this problem & displays the mnemonic “MISP” in site survey & OPI.

OrderPro 6.6.2 Enhancements

[ALL] Replace the mnemonic ‘XCT’ with part number ‘NT8D17’ in the Card Layout section of the Detailed

Report if card supports both CONF and TDS loops – This will automatically translate to a ‘NT8D17- Conf/TDS’ in the EC card slot pop-down menu in Site Survey & will eliminate the manual step for users to manually select the Conf/TDS card

Further Details: This change consists in forcing XCT-type card to an NT8D17 card if CONF and TDS loops are configured against this same card in the LD 22 / CFN print. The only card that can support both Conference TN's and TDS TNs is the NT8D17. No warning will be displayed to the user since this operation is likely to occur on 90% of the cases. However, this card will still printed with red colour in the "Advanced Site Survey" screen and the list of likely cards (other TDS and CONF cards) are also listed as before.

OrderPro 7.0.1

Introduction to OrderPro 7.0.1

OrderPro 7.0.1 is available July 2, 2007 and offers:

- Rls 15 → Rls 25.xx upgrades to CS 1000Rls 5.0 (mandatory OrderPro use)
- Rls 15 --→ CS 1000Rls 5.0 Site surveys (Optional use of OrderPro)

OrderPro 6.6 must continue to be used with EC 6.6 (OrderPro 7.0 can not be used with EC 6.6).

OrderPro 7.0.1 supports all LOG files created with OrderPro 6.3 and later. However, the older the file is, the more site survey information will be missing in the reports and the OPI file.

EC 7.0 will accept OrderPro 6.6 or OrderPro 7.0 OPI files for a transition period until Sept 3, 2007

EC 7.0.6 and later - starting Sept 3, 2007 – will only accept OP 7.0.1 and later OPI files for both Software History and Site Surveys.

OrderPro 6.6.2 and OrderPro 7.0.1 can co-reside on a PC.

The Layout database created on OP 6.6 from the “Advanced Site Survey” screen can no be loaded into OrderPro 7.0.

Loading OrderPro OPI files into EC

OrderPro 6.6.x OPI files: Load OP 6.6 OPI files in EC 6.6.x or EC 7.0.x (with limitations)

Partner Action	Required OPI File Rls Mar 5 – Sept 24
OPI file submissions to Nortel	No longer required as of Mar 5, 20
Import into EC x – for SW history	OP 6.6.x
Import into EC 6.6.x – for Site Survey	OP 6.3 and later

OrderPro 7.0.x OPI files: load OP 7.0 OPI files into EC 7.0.0 and later

Partner Action	Required OPI File Rls Mar 5 – Sept 2	Required OPI File Rls Sept 3 onwards (EC 7.0.6)
OPI file submissions to Nortel	No longer required	No longer required
Import into EC 7.0.x – for SW history	OP 6.6***** or OP 7.0 ******	OP 7.0.1
Import into EC 7.0.x – for Site Survey	OP 6.3 and later *******	OP 7.0.1

***** OP 6.6 rounded user s/w licenses to nearest 8 - using OP 6.6 for CS 1000 Rls 5.0 upgrades may result in a slightly higher SW licenses count and resulting software upgrade quantity than using OP 7.0 (which uses increments of 1 and does not round to nearest 8).

OrderPro 6.6 OPI files may be used in EC 7.0 to upgrade a system to CS 1000 Rls 5.0. EC 7.0 will map the pre-Rls 5 service level form an OP 6.6 OPI file to the correct Rls5 service level.

****** OP 7.0 MUST be used for CS 1000 Rls 5.0 expansions – EC 6.6 will not gather the new CS 1000 Rls 5.0 hardware data

******* OP 6.3 and 6.4 LOG/OPI files do not include MG 1000T/B or CS 1000E Site survey data

No longer required to send OPI files to Nortel/Saphyre Server (Americas only):

Previously, users were required to load their OPI files into EC, and to send the OPI files to Nortel for any Rls 15→ 25 upgrade to current quotes that they ordered.

Effective March 5, it is no longer required to send OPI files to Nortel when placing Rls 15 →25 upgrade orders to Rls 4.5 or to Rls 5.0, with the following exception:

- Federal DSN software upgrade orders to Rls 3.0 that are quoted in EC or not

For the DSN upgrade described above, OPI files should be sent direct to Nortel Order Management when PO's are placed. Please contact your Nortel order manager for details.

There were three ways to send an OPI file to Nortel. They will be modified as follows:

OrderPro "Save & Send": The "Save & Send button" was removed from OrderPro 7.0.1. The Save & Send button will not be removed from OrderPro 6.6, however it does not need to be used.

OPIupload@nortel.com: The email address to send OPI files to Nortel is still active but is not used. This address will be deactivated in Nov. 2007 when EC 6.6.x is retired.

"OPI File Upload" link in EC: was removed from EC 7.0.3 (June 4, 07). It will not be removed from EC 6.6.x.

Installation Notes for OrderPro 7.0.1

OrderPro 7.0.1 can be installed on Windows 95, Windows 98, Windows NT4 station, Windows 2000 and Windows XP.

Note 1 : First time OrderPro users must reboot their PC at the end of the installation process.

Note 2: OrderPro 7.0 does not support Windows Vista operating system at this time.

It is **NOT** necessary to uninstall OrderPro 6.6.2 in order to install OrderPro 7.0.1. Both 6.6.2 and 7.0.1 OrderPro versions may co-exist on a PC.

In order to support future software patches to OrderPro 7.0.1, it is recommended that users keep the OrderPro 7.0.1.Msi file on their PC after installation. Users may store the file anywhere on their PC. However, it is suggested that users store it in the 'Program Files\OrderPro7.0' folder.

To un-install any unwanted version of OrderPro, go to <Start> <Settings> <Control Panel> <Add/Remove Programs> + Double-Click on OrderPro 6.x.x from the list of installed programs.

> **Note**: Users should **NOT** attempt to uninstall OrderPro by deleting files in the c:\Program Files\OPFiles directory as this will delete critical user files such as the address book that are reused in newer OrderPro versions.

For OrderPro installation instructions refer to Chapter 2 of this user guide.

Users may validate the current installed version of OrderPro by using the ***Help*** option from the ***Main*** screen – select ***About OrderPro***.

OrderPro 7.0.1 Problem Resolutions

[ALL] - Extracting more than 1 MISP card ID

On a system having more than one MISP card configured, OrderPro 6.6 only issues commands to query the first one. As a result, the Site Survey only reports the PEC code for the first MISP card. The other cards are represented with a “MISP” code in the layout report.
OrderPro 7.0 fixes this error in the extraction and collects and reports the PEC code for all the MISP cards on the system.

[ALL] - Reading MUS CON ports on CS1000E

OrderPro 6.6 raises a critical error when loading a CS1000E LOG file if zero MUS CON ports were found on a system. This is caused because the total MUS CON ports gets spread across the Media Gateways evenly, leading to a “division by zero” error.
This problem is fixed on OrderPro 7.0.

[ALL] Call Pilot question

On OrderPro 6.6, a question presented to the user shows a confusing Cabinet number.

On OrderPro 7.0, the wording os the question is changed as follow:

Is there a Call Pilot configured in slot 10 of Cabinet #1
is replaced with
Is there a Call Pilot configured in slot 10 of the main Cabinet

Is there a Call Pilot configured in slot 10 of Cabinet #2 (3,4,5)
is replace with
Is there a Call Pilot configured in slot 10 of Cabinet #1 (2,3,4)

[ALL] FIB/CARR remotes (Large systems)

On OrderPro 6.6, remote IPE shelves connected as XPEC1 to a superloop are not marked as remotes, either CARR (Carrier) or FIB (Fiber)
In the example below, IPE Shelf#2 and #03 were detected as STD (copper) in OrderPro 6.6.

In OrderPro 7.0 they will be correctly reported as FIB, as shown below.

```
SUPL  SUPT SLOT XPEC0   XPEC1
 016  FIB  LEFT 01 0 3  02 0 1
 032  FIB  LEFT 02 2 3  03 0 3
 152  ---- ---- VIRTUAL -- - -
 156  ---- ---- PHANTOM -- - -
```

OrderPro 7.0.1 Enhancements

[ALL] 2- Software Service Levels for CS 1000 5.0

The repackaging algorithm in OrderPro 7.0.x will convert systems to one of the 2 new CS 1000 Rls 5.0 software service levels:

- Enhanced Services = L1+L2+L3a
- Premium Services -= L1+L2+L3a+L3b+L4

[Americas] Software Licenses Calculation

To allow conversion of software licenses from one type to another on a single system in unit of 1 when upgrading to Rls 5.0, some licenses are no longer rounded up to nearest 8 for Americas. This change applies to

- Total Analogue User License
- Total Digital User License
- Total CLASS User License
- Internet User License
- DECT User License

The Total Upgrade quantity value will also be altered since it is calculated as the sum of the above licenses.

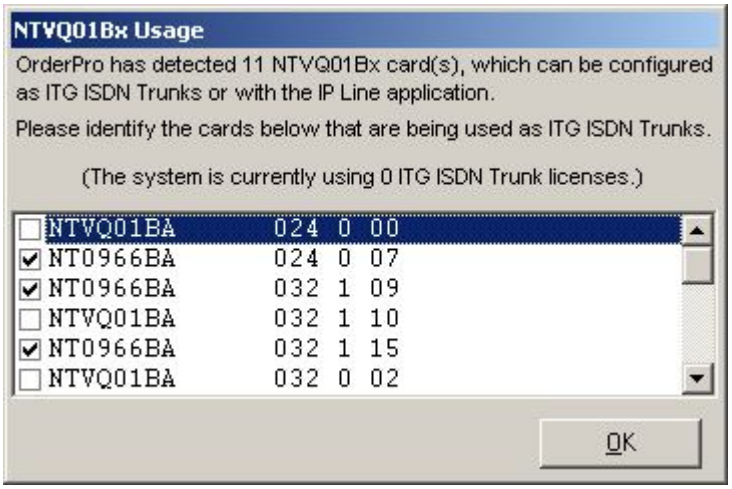
[EMEA & AP/GC] Upgrade Paths Modified

Upgrade paths for EMEA and AP/GC have been modified for OrderPro 7.0.1 – refer to Appendix F for a complete list of upgrade paths for all regions.

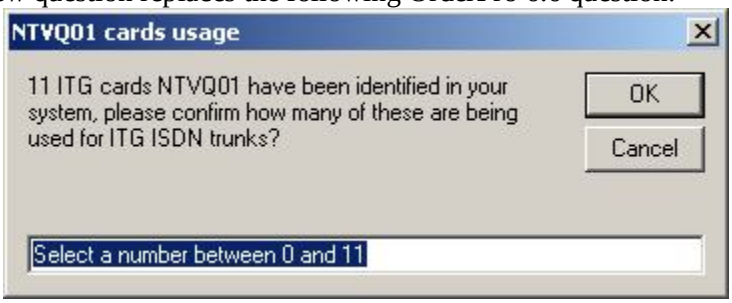
[ALL] NTVQ01Bx card usage

For all Meridian 1 systems, the following new message is introduced in OrderPro 7.0.1 to differentiate NTVQ01 cards being used for ITG trunk and those used for the IP line application.

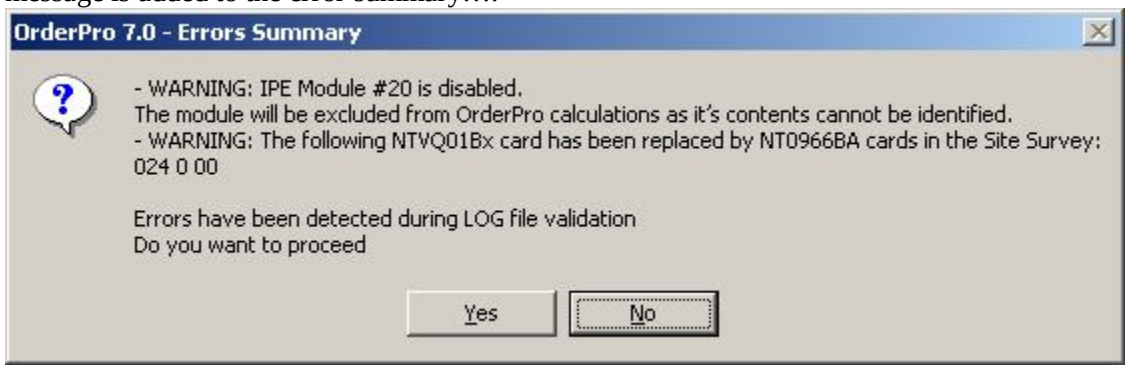
All ITG cards (NT0966xx, NTCW80, etc…) are shown for information purposes. They can not be un-ticked.



This new question replaces the following OrderPro 6.6 question:



For the NTVQ01Bx cards selected by the user as being used for ITG Trunk, OrderPro forces their code to NT0966BA and the following warning message is added to the error summary….



… as well as in the summary report manual entries section (as shown below):

Manual Entries

```
Total number of Pilot Agents on the system ?
=> 12
Number of IPE Applications (MAX and/or LINKCCR) installed ?
=> 1 of 3
NTVQ01Bx card in 024 0 00 has been replaced by NT0966BA cards
```

Note that CS1000M, CS 1000S, CS 1000E, MG1000B or MG 1000T will only use NTVQ01Bx for IP Line- not trunk so the question doesn't apply to these systems

[Americas] Remove "Save & Send" Button

The Save & Send button, has been removed form the OrderPro 7.0.1 Upgrade Screen

[ALL] Read TMDI Code (large systems)

The LD 48 / STAT TMDI xx FULL command will be included in the LOG file for Large systems.
The new print out contains the TMDI card PEC code that is required for the Site Survey for Large systems.
Ex:

```
>LD 48

LNK000
.STAT TMDI 000 1 01 FULL

TMDI  000  1  1  ENBL
   DITI     52  OPER        PORT 0
   DCH      22  OPER        PORT 1
CARDID: NTRB21AC
BOOTLOAD FW VERSION: 008
BASECODE VERSION: 016
         STATE:   ENABLED
         ACTIVATED: 01/23/07 15:16
APPLICATIONS:
         NAME:       DITI
           VERSION:    040
           STATE:      ENABLED
           ACTIVATED: 03/06/07 22:25
         NAME:       DCH
           VERSION:    010
           STATE:      ENABLED
           ACTIVATED: 03/06/07 22:26
```

[ALL] - Card Description Aligned with EC Reports

This refinement aligns the descriptions used in the detailed reporting OrderPro with the ones used in the EC reports.

OrderPro 7.0.x also addsdescriptions for PEC codes that are automatically inserted in the layout by OrderPro based on detected configuration:

- NT5D12 : Dual-Port DTI/PRI Card
- NTAK09: 1.5MB DTI/PR

[ALL] Support of Rlogin Connection

OrderPro 7.0 can support rlogin connection to the PABXs. Rlogin is a simpler internet protocol than Telnet.
With OrderPro 6.6, user had to open a Telnet connection to a Unix machine and from there, initiate manually the rlogin connection to the PABX.
With OrderPro 7.0.1 users can save rlogin connections in the address book and open the connection directly to the PABX using this protocol.
Limitation:
While saving the first rlogin entry in the address book, OrderPro warns the user that it will no longer be possible to use this address book with previous version of OrderPro.

[ALL] Remember Last Folder Visited

When selecting <Load> option from the main screen, OrderPro 7.0 enters by default the directory of the last loaded LOG file.
This enhancement aims to facilitate the selection of the LOG files for users, along with the existing shortcuts to “Desktop” and “Favorite” folders. Note - this is not applicable the first time after OrderPro is launched.

[ALL] Identification of New CS1000E H\W

New Signaling Servers – CS 1000E & CS 1000 M

The new LD 117 / STAT SS command implemented on CS 1000 Rls 5.0 provides details on the CPPM, ISP 1100, COTS IBM, COTS HP signaling Servers:

- qty. / vintage / CPPM slot location
- type – CPPM, ISP 1100, COTS IBM, COTS HP
- installed memory (if field upgradeable)
- what applications running on the Signaling Server

Following is an example of the `LD 117 / STAT SS` in CS 1000 Rls 5.0

```
=> STAT SS
NODE  HOSTNAME         ELANIP        LDR   SRV   APPS    PBXLINK
PBXLINK    PBXLINK     CONNECTID

STATE      DATE        TIME
333   buffy_GWendpoint 47.11.108.49  YES   SS     LTPS   LINK UP
02/10/2006   10:47:47    4ffde88
                                                 VTRK
     Sets: [reg - 00010] [busy - 00000]
     VTRK: [reg - 00530] [busy - 00000]
     SIGNALLING SERVER CAPACITY (SSRC): 2048
       Type: ISP1100
       Location:  000 0 00
       Product Eng. Code:NTDU27xx
       Serial Number: NNTM1234555
       Memory Size: 512MB   <<<< new Cmd available on SS 'oam>
memSizeShow'
       Disk Size: 18GB     <<<< new Cmd available on SS 'oam>
diskSizeShow'

2065  vr32             192.168.203.211 NO    HP DL320G4 LTPS    LINK
UP  18/01/2007  20:22:47  62b3838
                                                       VTRK
      Sets: [reg - 00005] [busy - 00000]
      VTRK: [reg - 00032] [busy - 00000]
      SIGNALLING SERVER CAPACITY (SSRC): 2048
        Type: HP DL320G4
        Location: 0 0 0
        Product Eng.Code: NTDU97AA
        Serial Number: NNTMxxxxxxx
        Memory Size: 2048 MB
        Disk Size 74 GB

3040  Buffy2           192.168.38.95   YES   ISP1100    LTPS    LINK
UP  20/01/2007  17:30:04  4bf1348
                                                       VTRK
      Sets: [reg - 00005] [busy - 00004]
      VTRK: [reg - 00000] [busy - 00000]
      SIGNALLING SERVER CAPACITY (SSRC): 2048
        Type: ISP1100
        Location: 0 0 0
        Product Eng.Code: NTDU27xx
        Serial Number: NNTMxxxxxxx
        Memory Size: 512 MB
        Disk Size 18 GB
```

```
3020  buffy_interop     192.168.38.23   YES   IBM X306M  LTPS    LINK
UP  20/01/2007  17:02:51  4bf1448
                                                        VTRK
      Sets: [reg - 00004] [busy - 00000]
      VTRK: [reg - 00064] [busy - 00002]
      SIGNALLING SERVER CAPACITY (SSRC): 2048
        Type: IBM X306M
        Location: 0 0 0
        Product Eng.Code: NTDU99AA
        Serial Number: NNTMxxxxxxx
        Memory Size: 2047 MB
        Disk Size 74 GB
2045  vr30_ss           192.168.203.193 YES   CPPM       LTPS    LINK
UP  08/01/2007  16:40:31  62b3438
                                                        VTRK
      Sets: [reg - 00003] [busy - 00000]
      VTRK: [reg - 00120] [busy - 00000]
      SIGNALLING SERVER CAPACITY (SSRC): 2048
        Type: CPPM
        Location: 0 0 7
        Product Eng.Code:
        Serial Number:
        Memory Size: 1024 MB
        Disk Size 27 GB
```

OrderPro 7.0.1 reads this information and reports it in the Details Report and the OPI file as follow:

Detailed Report:

With OP 6.6:
Installed ISP1100 Signaling Server: 2

With OP 7.0:

Signaling Server Details

Type	Location	Memo/Disk Size	IP address	Name	Apps
CPPM	000 00 02	1024/27	192.168.203.193	vr30_ss	LTPS,VTRK
IBM X306M	000 00 00	2047/74	192.168.38.23	buffy_interop	LTPS,VTRK
ISP1100	000 00 00	512/18	47.11.108.4	buffy_GWendpoint	LTPS,VTRK
ISP1100	000 00 00	512/18	192.168.38.95	Buffy2	LTPS,VTRK
HP DL320G4	000 00 00	2048 /74	192.168.203.211	vr32	LTPS,VTRK

New CPPM Call Server - NTDW61-CS

OrderPro 7.0.1 uses the new system Generic code 40 to identify the CPPM call Server.

Standard/High Availability

OrderPro 7.0 reports standard vs High Availability by checking presence of software feature 410.

OrderPro 7.0 reports this information in the Summary Report as shown in the next section (Geographic Redundant Call Servers).

Geographic Redundant Call Servers

OrderPro 7.0.1 uses LD 135/STAT GR command to identify if Geo-redundant CPPM / CPPIVcall servers are present.

OrderPro 7.0 reads this information and reports it in the Summary Report:

Summary Report:

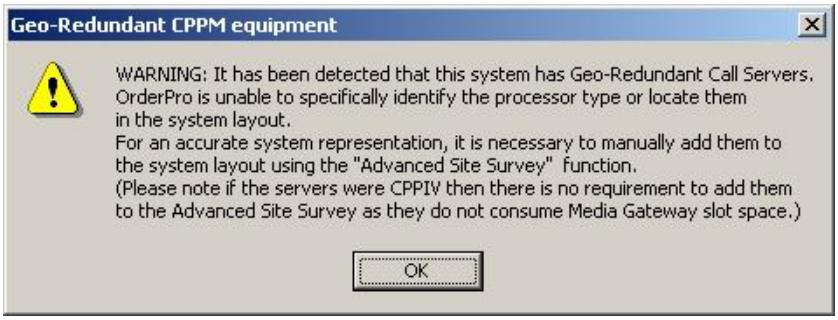
System

```
System Type    : CS 1000E
System ID      : Z04629
Aux ID         : N/A
Generic        : 4021
Release        : 5.00
CPU Memory     : 509 M-Bytes (DRAM:509 Flash:0)
CPU Processor  : CP PM       NTxxx
Media Type     : Flash Card
Software Type  : Commercial
Georedundant CP   :     Yes/No
High Availability :     Yes/No
```

This overlay doesn't provide the slot location for the geo-redundant processor cards – so the following limitation applies.

New CPPM NTDW61-GR - Limitation

CPPM cards acting as Geo-redundant Call servers or Signaling servers can not be specifically identified or located in the Media Gateways. As a result, the count of spare slots is incorrect for such configurations and the CPPM GR is missing from the layout.
Users must manually add the CPPM-GR card using the Advanced Site Survey functionality in order to have accurate representation of the system.
If a geo-redundant configuration is detected on a CS1000E system, OrderPro 7.0.1 displays the following warning message:



New CPPM Signaling Server - NTDW61-SS
CPPM signaling server location is detected using LD 117 / STAT SS command.

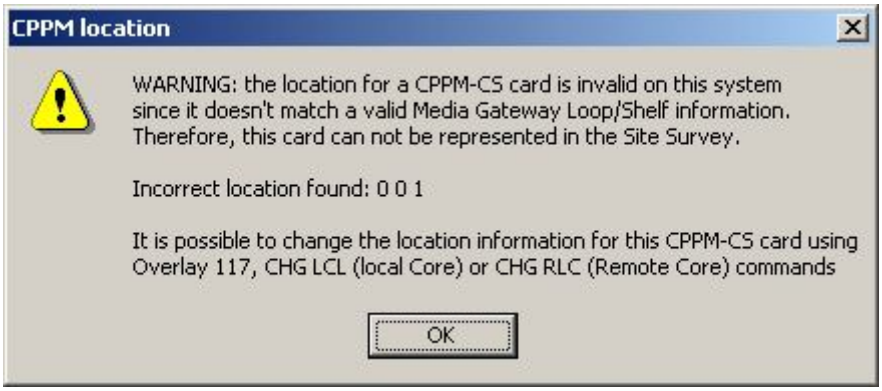
CPPM Signaling Server for CS 1000M SG/MG – NTDW66AA

For CS1000M-SG and CS1000M-MG running rls 5.0, CPPM Signaling Server (IPE Shelf) package is available. CPPM Signaling Server is placed in an IPE slot and requires the space of second slot although it plugs into one slot only.

The PEC code for this card is different to NTDW61 used in MG1000E. This new PEC code is added to the list of dual-width cards in OrderPro 7.0 database.

Invalid slot location for CPPM-CS and CPPM-SS

OrderPro 7.0 addresses situations where the CPPM-Call Server and/or the CPPM-Signaling card is not properly configured on the system. OrderPro may raise a warning message advising the user that the position of the CPPM card is not valid. This scenario is likely to occur on upgraded systems, when the location of the CPPM card is not automatically handled by the system, but is manually adjusted by the system technician.



New MGC - NTDW60

OrderPro 7.0.1 identifies the new Media Gateway Controller cards (NTDW60) on a CS1000E system, using LD32 / IDC x y where x,y represent all the valid TNs (ie. Media Gateways)
Note the MGC cards are always in slot#0 of the Media Gateway.

New DSP Daughter Boards

OrderPro 7.0 identifies DSP daughter boards NTDW62 and NTDW64 on the new Media Gateway Controller Cards NTDW60 as follows. It reports them in the Detailed Report

The DSP DB can be connected to port 0, 10, 11 or 12 of the MGC. So OrderPro 7.0 queries these position using LD 32 / IDC x y 0, IDC x y 10, IDC x y 11 and IDC x y 12 commands where x,y represent all the valid TNs (ie. Media Gateways)

Detailed Report:

DSP Daughter Boards Details

MG	Type	Port No	DSPs
0 0 (#0)	NTDW62AA	0	32
	NTDW64AA	11	96
1 0 (#1)	NTDW62AA	0	32

SSC cards in CS 1000 E Rls 5.0 Media Gateways

Since it is not possible to query an SSC card in slot#0, OrderPro 7.0 assumes that SSC exists in slot#0 if MGC (NTDW60) is not found on a release 5.00+ CS1000E.

MC32S - NTDW65:

OrderPro identifies the MC32S cards using LD 32 / IDC command.
Ex:
.idc 4 0 9

=> NTDW65AA R3 NNTMG19XXRD3

Digital Trunking

a) On CS1000E rls 5.00, PRI, DTI, BRI, DECT cards, previously supported on MG1000Tcan now be installed in MG 1000E. The Site Survey will reflect this.
b) The new PRI Gateway (number of spans, E1 vs. T1, card LAN ID, enabled ports) will be reflected in the Site Survey

[ALL] New Temporary IP Users

OrderPro 7.0 reports a new Temporary IP Software license as Temporary IP users in the Licenses section of the OrderPro Summary Report.

This information is read from the LD 22 / SLT table and is always 0 on Rls < 5.0 systems

[ALL] Total Virtual M390x & i200x Sets count on CS1000E

To calculate the total number of Virtual M390x sets on a CS1000E, OrderPro uses the LD 81 / CNT print (SETS_3900 value) and will reduce this value by the number of M3901 and M3902 sets calculated using new LD 20 / ltn 3901 and LTN 3902 command.

To calculate the total number of Virtual I200x sets on a CS1000E, OrderPro will use the LD 81 / CNT print (The number of non-Virtual Office Internet sets is the difference between SETS_ISET and VOLA_ISET).Note that type of VOLA is a new CLASS set queried by OP7.0 in the ld 81 / CNT table.

OrderPro 7.0 reads/calculates this information and reports them in the Summary Report as follow:

Summary Report:

Licenses

Service Licenses:

```
...
```

System Licenses:

```
...
Number of sets with MWA Class of service set to Yes   :     0


Total number of M390x virtual office sets :     0
Total number of i200x virtual office sets :     0
```

[ALL] Standard vs Dedicated Media Gateways

The previous rules for identifying Standard vs Dedicated Media Gateways has been updated as follows:

OrderPro will identify any Gateway containing any of the following hardware as a dedicated Media Gateway:

- SDI/DTR
- PRI/DTI
- PRI2/DTI2
- DMC (NTCW00 and NTCW01)
- TMDI

[ALL] DECT & [EMEA and AP/GC] DECT Visitors users per Media Gateway on CS1000E

- For DECT users, OrderPro 7.0 queries each individual 500 sets on the system to count those having TYPE = WRLS
  For DECT Visitors users, OrderPro 7.0 queries each individual DCS sets on the system to count those having TYPE = WRLS.

  OrderPro 7.0 reads/calculates this information and reports the results in the Detailed Report as follow:

Detailed Report:

Peripheral Equipment Details

Media Gateway #002 : IP = 47.11.247.42, Name = not set

Site	Module#	Slot	S'Loop	Code	Unused Ports	
'002'	0	0	000	NTDW60BA	0	(DSP:32)NTDW62AA-11
	0	1	000	UNEQUIPPED	0	
	0	2	000	NPR CODE	0	
	0	3	000	NPR CODE	0	(DSP:32)
	0	4	000	UNEQUIPPED	0	
	1	7	000	NTCW01xx	11	**(DECT:2 VDECT:3)**
	1	8	000	UNEQUIPPED	0	
	1	9	000	NTRB18CA	0	(TDM Agt:16)
	1	10	000	UNEQUIPPED	0	

OrderPro 7.2.0

Introduction to OrderPro 7.2.0

A new "non Mandatory" version of OrderPro (OP 7.2.0) is introduced on Mar 3, 2008 in conjunction with EC 7.2.0.

An OrderPro OPI file is mandatory (it must be loaded into EC) for upgrades to CS1000 5.5 release for any system on software release 25.40 or earlier. OrderPro 7.0.x or OrderPro 7.2.x may be used for these upgrades.

Optionally, OrderPro can also be used to capture system layout information for release 15 and later software (including Rls 3.0, 4.0, 4.5, 5.0 and 5.5) for the purpose of automatically populating the site survey in EC. OrderPro 7.0.2 or OrderPro 7.2.x may be used for site Surveys, however **for CS 1000 Rls 5.5 sites OrderPro 7.2.x MUST be used.**

OrderPro 7.2.0 supports all LOG files created with OrderPro 7.0.x and later. However, the older the file is, the more information that will be missing from the reports.

EC Release	Supported OPI file releases for SW history	Supported OPI file releases for Site Survey
EC 6.6.5 (for approved Channels only)	OP 6.6.x	OP 6.3 and later * (but not OP 7.0 or OP 7.2)
EC 7.1.x	OP 7.0.1	OP 7.0.1
EC 7.2.x	OP 7.0.1 and OP 7.2.x	OP 7.0.1 and OP 7.2.x

* OP 6.3 and 6.4 LOG/OPI files do not include MG 1000T/B or CS 1000E Site survey data

Installation Notes for OrderPro 7.2.0

OrderPro 7.2.0 can be installed on Windows 95, Windows 98, Windows NT4 station, Windows 2000 and Windows XP.

Note 1: First time OrderPro users must reboot their PC at the end of the installation process.

Note 2: OrderPro 7.2.0 does not support Windows Vista operating system at this time.

It is **NOT** necessary to uninstall OrderPro 6.6.x or OrderPro 7.0.x in order to install OrderPro 7.2.x. OrderPro 6.6.x and 7.0.x and 7.2.x versions may co-exist on a PC.

In order to support future software patches to OrderPro 7.2.0, it is recommended that users keep the OrderPro 7.2.0.Msi file on their PC after installation. Users may store the file anywhere on their PC. However, it is suggested that users store it in the 'Program Files\OrderPro7.2' folder.

To un-install any unwanted version of OrderPro, go to <Start> <Settings> <Control Panel> <Add/Remove Programs> + Double-Click on OrderPro 6.x.x from the list of installed programs.

> **Note**: Users should **NOT** attempt to uninstall OrderPro by deleting files in the c:\Program Files\OPFiles directory as this will delete critical user files such as the address book that are reused in newer OrderPro versions.

For OrderPro installation instructions refer to Chapter 2 of this user guide.

Users may validate the current installed version of OrderPro by using the ***Help*** option from the ***Main*** screen – select ***About OrderPro***.

OrderPro 7.2.0 Problem Resolutions

[ALL REGIONS] - Unexpected response from Signaling Server

On some systems the response for a Link-Down Signaling server is not what is expected. As a result the user received an Error 504 and the LOG file extraction stops.

To handle this OrderPro has been updated to respond to Link-Up status as being Link–Up and any other response as being Link-Down.

OrderPro 7.2.0 Enhancements

[ALL REGIONS] – Support for CS 1000 5.5

OrderPro Summary Report change:

OrderPro 7.2 reads the new CS 1000 Rls 5.5 licenses from Rls 5.5. systems and reports them in the Summary Report, in the Licenses section as follows:

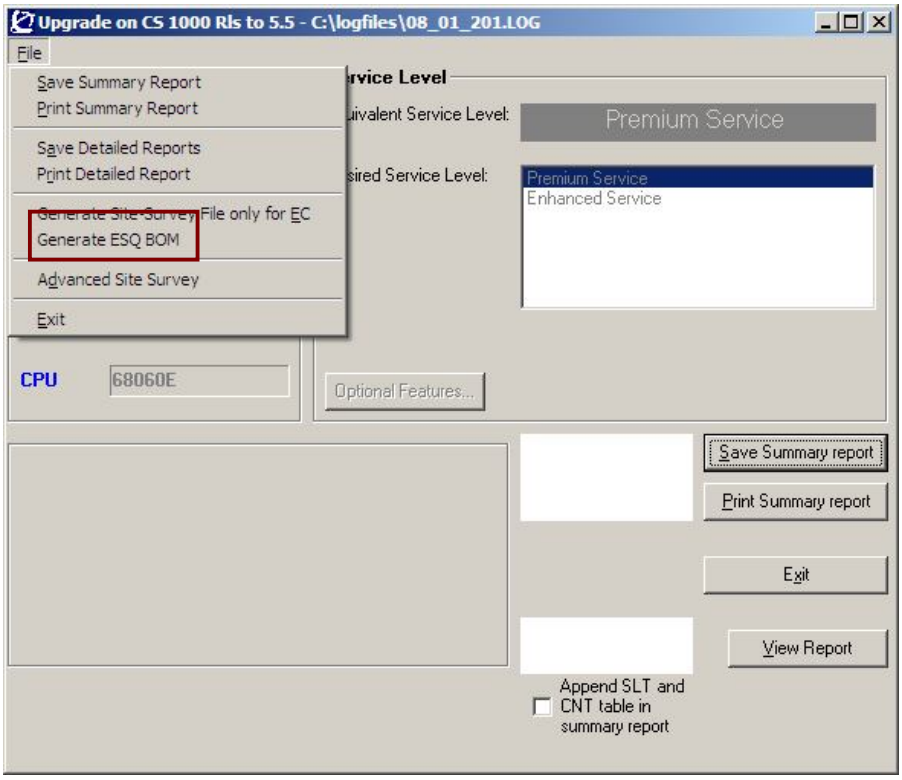
Licenses

Service Licenses:

```
Digital user License Enabled     :16
Digital user License Consumed    :2
Analogue user License Enabled    :80
Analogue user License Consumed   :32
DECT user License Enabled        :0
DECT user License Consumed       :0
DECT Visitors License Enabled    :0
DECT Visitors License Consumed   :0
ACD agent License Enabled        :300
ACD agent License Consumed       :261
CLASS License Enabled            :0
CLASS License Consumed           :0
IP user License Enabled          :576
IP user License Consumed         :487
Basic IP user License Enabled    :0
Basic IP user License Consumed   :0
Temporary IP Users Enabled       :0
Temporary IP Users Consumed      :0
Mobile Extensions Enabled        : 0
Mobile Extensions Consumed       : 0
Telephony Services Enabled       : 0
Telephony Services Consumed      : 0
Converged Mobile Users Enabled   : 0
Converged Mobile Users Consumed  : 0
Nortel SIP Lines Enabled         : 0
Nortel SIP Lines Consumed        : 0
Third Party SIP Lines Enabled    : 0
Third Party SIP Lines Consumed   : 0
```

[ALL REGIONS] – Create BOM file for use in ESQ

Once a log file has been loaded, there is a new option available in EC 7.2.0 from the pull down menu that creates an Excel Bill of Materials (BOM) for the system in the format required for Enterprise Service Quote (ESQ). The new menu item is as shown below:



The file may then be loaded into ESQ when a BOM is required.

The following SW licenses will be captured in the BOM generated in OrderPro 7.2.0:

Digital Telephones
Analog Telephones
DECT Users
DECT Visitors
IP Users
Basic IP Users
Class Telephones
H.323 Access Ports
SIP Access Ports
ACD Agents
Mobile Extensions
Telephony Services

Nortel SIP Lines
Third Party SIP Lines
An example of the Excel BOM generated in OrderPro is as follows:



ESQ BOM Sample
From OrderPro 7.2.xl

[ALL REGIONS] –OPI file for Site Survey Site Locations change

On previous versions of OrderPro, uploading OPI file for Site Survey population in EC would set site locations for cabinets or chassis's as CS01, CS02, etc or MG00, Mg01, etc. A change has been made to set these site locations as Main.

OrderPro 7.2.1

OrderPro 7.2.1 Problem Resolutions

[ALL REGIONS] – OrderPro 7.2 installation deletes existing address book

OrderPro 7.2.0 installation was deleting existing address book.

OrderPro 7.2.1 updated MSSOAP version of the OrderPro and fixed the problem.

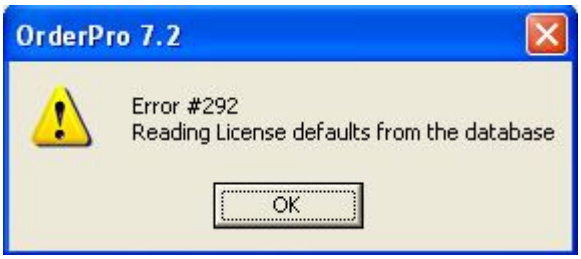
OrderPro 7.2.2

OrderPro 7.2.2 Problem Resolutions

[ALL REGIONS] - Error 292 Reading License defaults from the database

When loading a LOG file and choose “NO” to the question "Do you wish to upgrade to CS 1000 Rls 5.5 (else expansion on CS 1000 Rls 4.0)” (see below screenshot), tool would display an error message: "Error 292 Reading License defaults from the database".





OrderPro has fixed the database error.

[ALL REGIONS] – Error 504 “Invalid LDR Information in STAT SS Print"

Both errors are in the Stat SS section

1) Signaling server name that is longer than 18 characters and runs into IP address causes the error.

OP 7.2.2 will cut off the name after 18 characters.

2) When date is reported as 00/00/00, OrderPro gives an Error 504.

OP 7.2.2 will set the date as 01/01/1099.

OrderPro 7.2.3

[ALL REGIONS] – Log file must be OrderPro 7.2.x

OrderPro 7.2.3 supports all LOG files created with OrderPro 7.2.x and later.

Changes were made to stop the loading of log files before OrderPro 7.2.

OrderPro 7.2.3 Enhancements

[ALL REGIONS] – Eng Summary changes

On System Version 4021, changes have been made to the OPI output to realign the Eng Summary with the Layout Summary. It was causing some systems to display cards in the wrong Media Gateway due to the CPPM Call Server being placed internally in the Media Gateway.

OrderPro 7.2.3 Problem Resolutions

[ALL REGIONS] – Extractions hang on the LD 81/WRLS section.

Issue has been fixed.

[ALL REGIONS] – OrderPro generated ESQ BOM with "N/A" as quantity.

Changes have been made to the selection criteria where "N/A" quantities will not be included in the BOM.

[ALL REGIONS] – Extractions hang on exit of sections with less than 4 "*" exits.

Changes have been made to able to handle extractions that only reply back on exit of sections with less than "****". Similar changes have also been made on the load side.

[ALL REGIONS] – Determination if a switch is a cabinet or a chassis

Changes were made to the extraction to gather information on all slots during the LD 32. This information is then looked at during the load of the log file for slots 5 & 6 and if a card is returned for one of these slots, the machine type is set to a cabinet, else OrderPro handles the determination as before.

NOTE: For Option 11C Cabinet migration to a CS 1000E and the Cabinet was maintained but the SSC was replaced with an MGC card, a manual update is required in the EVQ site Survey to show the correct type. We are working toward a resolution for future OrderPro release.

[ALL REGIONS] – Extraction hangs due to extra characters in multi-line PRI2/DTI2

Changes were made to the loading of log files in handling multi line PRI2/DTI2 and stripping hidden characters from the end of these lines.

☺ Last Page ☺