

Networked Warehouse Management System PCA

Overview

Release 7.5

July 2007



Copyright Notice

Copyright © 2005 - 2007
Sterling Commerce, Inc.
ALL RIGHTS RESERVED

STERLING COMMERCE SOFTWARE

*****TRADE SECRET NOTICE*****

THE STERLING COMMERCE SOFTWARE DESCRIBED BY THIS DOCUMENTATION ("STERLING COMMERCE SOFTWARE") IS THE CONFIDENTIAL AND TRADE SECRET PROPERTY OF STERLING COMMERCE, INC., ITS AFFILIATED COMPANIES OR ITS OR THEIR LICENSORS, AND IS PROVIDED UNDER THE TERMS OF A LICENSE AGREEMENT. NO DUPLICATION OR DISCLOSURE WITHOUT PRIOR WRITTEN PERMISSION. RESTRICTED RIGHTS.

This documentation, the Sterling Commerce Software it describes, and the information and know-how they contain constitute the proprietary, confidential and valuable trade secret information of Sterling Commerce, Inc., its affiliated companies or its or their licensors, and may not be used for any unauthorized purpose, or disclosed to others without the prior written permission of the applicable Sterling Commerce entity. This documentation and the Sterling Commerce Software that it describes have been provided pursuant to a license agreement that contains prohibitions against and/or restrictions on their copying, modification and use. Duplication, in whole or in part, if and when permitted, shall bear this notice and the Sterling Commerce, Inc. copyright notice.

U.S. GOVERNMENT RESTRICTED RIGHTS. This documentation and the Sterling Commerce Software it describes are "commercial items" as defined in 48 C.F.R. 2.101. As and when provided to any agency or instrumentality of the U.S. Government or to a U.S. Government prime contractor or a subcontractor at any tier (Government Licensee), the terms and conditions of the customary Sterling Commerce commercial license agreement are imposed on Government Licensees per 48 C.F.R. 12.212 or 227.7202 through 227.7202-4, as applicable, or through 48 C.F.R. 52.244-6.

These terms of use shall be governed by the laws of the State of Ohio, USA, without regard to its conflict of laws provisions. If you are accessing the Sterling Commerce Software under an executed agreement, then nothing in these terms and conditions supersedes or modifies the executed agreement.

Sterling Commerce, Inc.
4600 Lakehurst Court
Dublin, Ohio
43016-2000

Copyright © 2005 -
2007

WARRANTY DISCLAIMER

This documentation and the Sterling Commerce Software which it describes are licensed either "AS IS" or with a limited warranty, as set forth in the Sterling Commerce license agreement. Other than any limited warranties provided, NO OTHER WARRANTY IS EXPRESSED AND NONE SHALL BE IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE OR FOR A PARTICULAR PURPOSE. Without limitation to the foregoing, Sterling Commerce does not warrant or represent that use of this software will ensure compliance with the U.S. Department of Transportation's (DOT) Hazardous Materials Regulations (HMR) found in Title 49 of the Code of Federal Regulations (49 CFR) or any other legal requirements, and users of this software should consult independent legal counsel and technical support to ensure compliance with the HMR and other legal requirements. The applicable Sterling Commerce entity reserves the right to revise this publication from time to time and to make changes in the content hereof without the obligation to notify any person or entity of such revisions or changes.

Contents

Preface

Intended Audience	vii
Structure	vii
Sterling nWMS PCA Documentation	viii
Conventions	x

1 Sterling nWMS PCA Overview

1.1 Business Challenges	1
1.2 Benefits of Sterling nWMS PCA.....	4
1.2.1 Networked Solution	5
1.2.2 Multi-Enterprise Management	5
1.2.3 Process Centric	6
1.2.4 Comprehensive Product Management.....	7
1.2.5 Complete Visibility.....	7
1.2.6 Vendor Performance	7
1.2.7 Radio Frequency Identification Enabled	8
1.2.8 Optimized Operations	8
1.3 New Levels of ROI Driven by the Sterling nWMS PCA	8
1.4 Sterling nWMS PCA Users.....	10

2 Features Overview

2.1 Inventory Control.....	11
2.2 Inbound.....	12
2.3 Quality Control	12

2.4	Task Management	12
2.5	Reverse Logistics	12
2.6	Value-Added Services	13
2.7	Cross Dock	13
2.8	Outbound.....	13
2.9	Reports.....	14
2.9.1	Inbound Reports	14
2.9.2	Return Reports	14
2.9.3	Inventory Reports	15
2.9.4	VAS Reports	15
2.9.5	Outbound Reports	16
2.9.6	Task Reports	16
2.9.7	Billing Activity Reporting Engine Reports.....	17
2.10	Printed Documents	17
2.10.1	Inbound Prints	17
2.10.2	Inventory Prints	17
2.10.3	Outbound Prints	17
2.11	Location Mass Maintenance.....	18
2.12	Dynamic Velocity Calculation	18
2.13	Integration With Slotting Engines	19
2.14	Packing.....	19

Index

Preface

Sterling Networked Warehouse Management System PCA Overview provides a brief glimpse into the Sterling Networked Warehouse Management System PCA (Sterling nWMS PCA) and lists its various features.

Intended Audience

This document is intended to provide assistance to all users of the Sterling nWMS PCA.

Structure

This document contains the following sections:

Chapter 1, "Sterling nWMS PCA Overview"

This chapter introduces the Sterling Networked Warehouse Management System PCA and provides an insight into the business challenges, benefits and scope of the Sterling nWMS PCA.

Chapter 2, "Features Overview"

This chapter provides a brief overview of the features of the Sterling nWMS PCA.

Sterling nWMS PCA Documentation

For more information about the Sterling Networked Warehouse Management System PCA[®] (Sterling nWMS PCA[®]) components, see the following manuals in the Sterling nWMS PCA[®] documentation set:

- *Sterling Networked Warehouse Management System PCA[®] Release Notes*
- *Sterling Networked Warehouse Management System PCA[®] Installation Guide*
- *Sterling Networked Warehouse Management System PCA[®] Overview*
- *Sterling Networked Warehouse Management System PCA[®] Implementation Guide*
- *Sterling Networked Warehouse Management System PCA[®] Reports Guide*
- *Sterling Networked Warehouse Management System PCA[®] Analytics Guide*
- *Sterling Networked Warehouse Management System PCA[®] Printed Documents Guide*
- *Sterling Networked Warehouse Management System PCA[®] Billing Activity Reporting Engine Guide*
- *Sterling Networked Warehouse Management System PCA[®] Upgrade Guide*
- *Sterling Networked Warehouse Management System PCA[®] Javadocs*

For more information about the Sterling Supply Chain Applications[®] components, see the following manuals in the Sterling Supply Chain Applications[®] documentation set:

- *Sterling Supply Chain Applications[®] Release Notes*
- *Sterling Supply Chain Applications[®] Installation Guide*
- *Sterling Supply Chain Applications[®] Upgrade Guide*
- *Sterling Supply Chain Applications[®] Performance Management Guide*
- *Sterling Supply Chain Applications[®] High Availability Guide*
- *Sterling Supply Chain Applications[®] System Management Guide*

- *Sterling Supply Chain Applications[®] Localization Guide*
- *Sterling Supply Chain Applications[®] Customization Guide*
- *Sterling Supply Chain Applications[®] Integration Guide*
- *Sterling Supply Chain Applications[®] Product Concepts*
- *Sterling Supply Chain Applications[®] Warehouse Management System Concepts Guide*
- *Sterling Supply Chain Applications[®] Platform Configuration Guide*
- *Sterling Supply Chain Applications[®] Distributed Order Management Configuration Guide*
- *Sterling Supply Chain Applications[®] Supply Collaboration Configuration Guide*
- *Sterling Supply Chain Applications[®] Product Management Configuration Guide*
- *Sterling Supply Chain Applications[®] Logistics Management Configuration Guide*
- *Sterling Supply Chain Applications[®] Reverse Logistics Configuration Guide*
- *Sterling Supply Chain Applications[®] Warehouse Management System Configuration Guide*
- *Sterling Supply Chain Applications[®] Platform User Guide*
- *Sterling Supply Chain Applications[®] Distributed Order Management User Guide*
- *Sterling Supply Chain Applications[®] Supply Collaboration User Guide*
- *Sterling Supply Chain Applications[®] Global Inventory Visibility Configuration Guide*
- *Sterling Supply Chain Applications[®] Logistics Management User Guide*
- *Sterling Supply Chain Applications[®] Reverse Logistics User Guide*
- *Sterling Supply Chain Applications[®] Warehouse Management System User Guide*
- *Sterling Supply Chain Applications[®] Mobile Application User Guide*
- *Sterling Supply Chain Applications[®] Analytics Guide*

- *Sterling Supply Chain Applications® Javadocs*
- *Sterling Supply Chain Applications® Glossary*
- *Sterling Supply Chain Applications® Carrier Server Guide*
- *Sterling Supply Chain Applications® Application Server Installation Guide* (for optional component)

For a description of the various documents in the Sterling nWMS PCA® documentation set, see the Sterling nWMS PCA® Documentation Home Page at:

`<YFS_HOME>/documentation/YNW_doc_home.html`

where `<YFS_HOME>` = `<YANTRA_HOME>/Runtime`

and `<YANTRA_HOME>` is the directory where this PCA and *Sterling Supply Chain Applications®* are installed.

Conventions

In this manual, Windows refers to all supported Windows operating systems.

The following conventions may be used in this manual:

Convention	Meaning
...	An ellipsis represents information that has been omitted.
< >	Angle brackets indicate user-supplied input.
mono-spaced text	Mono-spaced text indicates a file name, directory path, attribute name, or an inline code example or command.
/ or \	Slashes and backslashes are file separators for Windows, UNIX and LINUX operating systems. The file separator for the Windows operating system is "\" and the file separator for Unix and Linux systems is "/". The Unix convention is used unless otherwise mentioned.
<YANTRA_HOME>	User-supplied location of the Sterling Supply Chain Applications installation directory.
<YFS_HOME>	Location of the generated <YANTRA_HOME>/Runtime directory.

Convention	Meaning
<YANTRA_HOME_OLD>	User-supplied location of the Sterling Supply Chain Applications installation directory for previously installed releases. This is only applicable for Release 7.7 or above.
<YFS_HOME_OLD>	This is the <YANTRA_HOME_OLD>/Runtime directory of previously installed releases.

Sterling nWMS PCA Overview

The Sterling Networked Warehouse Management System PCA is specially tailored to manage operations in a mid-sized, finished goods distribution center (DC). Shipments may be shipped to consumers, retailers or distributors, or mom and pop stores. The key problems solved by the Sterling nWMS PCA are shipment consolidation or transportation optimization, customer compliance, productivity, and space optimization.

This chapter elaborates on the business challenges, benefits, and scope of the Sterling nWMS PCA.

1.1 Business Challenges

Managing inventory across a network is fraught with challenges. Enterprise software systems should facilitate company-wide inventory visibility and control, even when inventory is managed in a network of diverse and heterogeneous operating facilities. All too often, when selecting inventory management systems, business decision makers tend to compromise on a solution that can never achieve company-wide inventory visibility and control. Software applications make businesses more productive by eliminating redundant data entry and potential errors. Software enables a business to scale operationally while facilitating high levels of customer service that are typical of the smallest organizations. However, for maximum efficiencies, multi-site businesses require software applications that:

- Don't force major changes to operating practices
- Take advantage of today's best practices
- Manage the subtle complexities that are unique to how each particular business drives value for its customers

Increasing customer demands and an ever-changing environment drives businesses today. Some factors that influence business processes are:

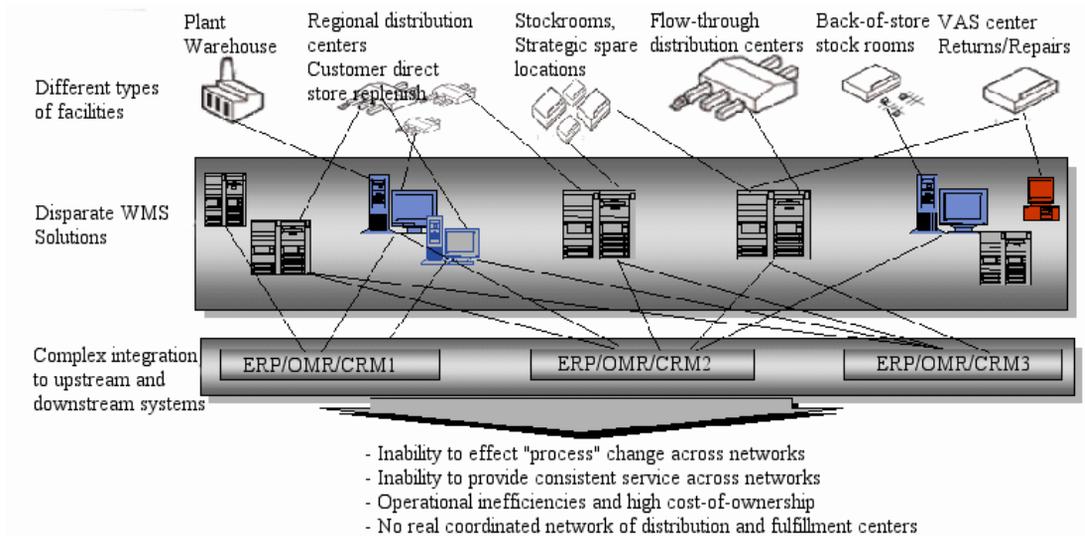
- Mergers and acquisitions
- Introduction of new products or product lines
- Addition of new business channels
- Consolidation of facilities
- Business outsourcing
- Increasing transportation cost
- Poor utilization of resources, such as labor, facilities, equipments, locations, and so forth.
- Servicing new customers and fulfilling each of their unique compliance demands

Businesses must manage inventory in a variety of facilities that may include Plant Warehouses, Regional Business Centers, Stock Rooms, Stores, and Flow-through Distribution Centers.

Due to the disparate nature of these facilities, each facility employs different operational processes. This leads to complexity in operations and lack of centralized visibility, increased infrastructure costs, and quality issues.

Due to the variety of facilities in a complex warehousing environment, disparate systems are used throughout the network. This results in higher infrastructure and ownership costs at each facility. Integrating systems across such facilities becomes complex, and implementing business process changes is a challenge. [Figure 1–1](#) illustrates a typical network built on disparate warehousing systems.

Figure 1–1 Network of Disparate Warehousing Systems



Offering complete visibility and automating operations in a complex warehouse environment requires thorough knowledge of business processes combined with state-of-the-art technology. An efficient warehouse management system helps businesses:

- Achieve increased productivity levels
- Improve inventory accuracy
- Adhere to varying compliance requirements
- Manage logistics effectively

As businesses strive to keep pace with the changing environment, it is also imperative to keep operating costs low. Usually, the trade-off balances the needs against the cost of acquiring and deploying best-in-class software at each facility. Lower cost options today include software that slightly addresses a portion of the labor productivity problem, but fails to deliver the ability to scale those best practices that make a business unique. In many cases, software is used in only the largest facilities, while no software is used in smaller facilities because the costs are too prohibitive.

The Sterling nWMS PCA eliminates the cost versus capabilities trade-off and offers best-in-class warehouse management software that can be leveraged across all types of inventory stocking situations, from the largest facilities down to the smallest stocking locations.

1.2 Benefits of Sterling nWMS PCA

The Sterling Networked Warehouse Management System PCA is designed to manage fulfillment and distribution across a network of facilities, including regional distribution centers, master distribution centers, fulfillment centers, stockrooms, plant warehouses, repair centers, and more. With its high degree of configurability and service-oriented architecture, the Sterling nWMS PCA enables responsive customer fulfillment, improved operational efficiency, greater flexibility for growth, and ultimately, a lower total cost of ownership in large scale, complex fulfillment environments.

In short, the Sterling nWMS PCA enables you to:

- Make better decisions by automating business processes
- Reduce time-to-market by reacting quickly to market changes
- Increase revenue through effective collaboration

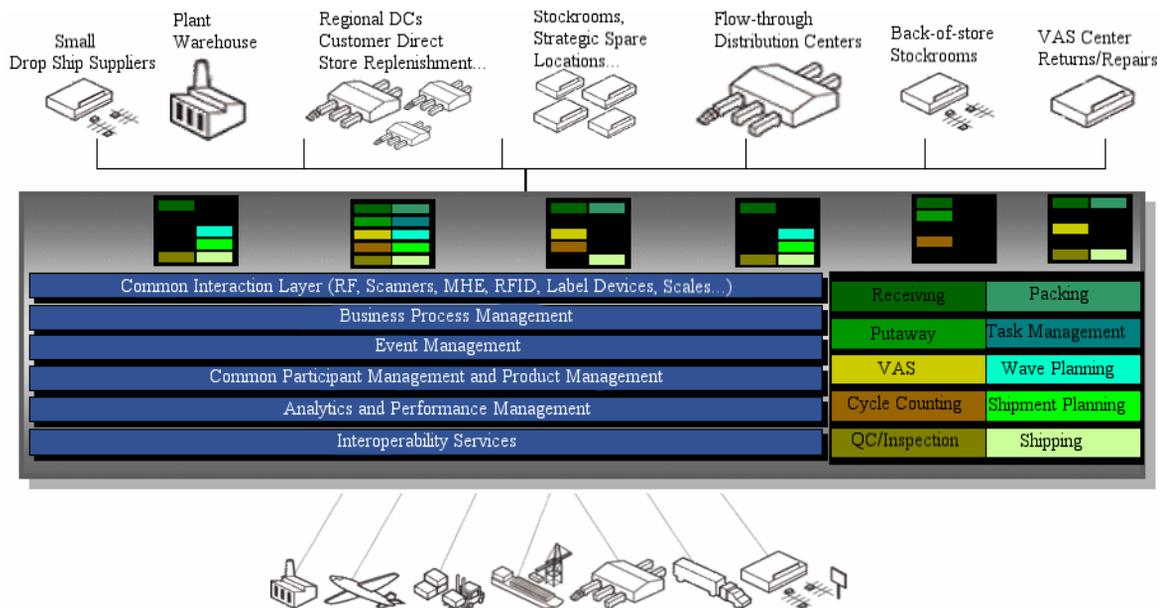
Rich in features and functionality, the Sterling nWMS PCA provides the following key capabilities:

- [Networked Solution](#)
- [Multi-Enterprise Management](#)
- [Process Centric](#)
- [Comprehensive Product Management](#)
- [Complete Visibility](#)
- [Vendor Performance](#)
- [Radio Frequency Identification Enabled](#)
- [Optimized Operations](#)

1.2.1 Networked Solution

The Sterling nWMS PCA is unique in its architecture: it is the only warehouse management system that is designed as a networked solution. It is built on a service-oriented, component-based architecture. [Figure 1–2](#) depicts the network solution design of the Sterling Networked Warehouse Management System PCA.

Figure 1–2 The Sterling nWMS PCA Component-Based Architecture



The Sterling nWMS PCA provides lower cost of ownership, higher flexibility, and consistent customer service.

1.2.2 Multi-Enterprise Management

A business or business channel can be modeled as an enterprise in the Sterling nWMS PCA, thus allowing warehouses to handle inventory and processes uniquely for diverse enterprises. The Sterling nWMS PCA can be easily configured to suit business needs and processes for each enterprise.

The Sterling nWMS PCA provides network-wide control through a common catalog of services for multiple enterprises within a warehouse, thus ensuring the optimal use of labor and assets, despite process diversity.

1.2.3 Process Centric

The Sterling nWMS PCA is process centric, making it highly configurable. Traditional warehouse solutions are services intensive, and provide data-centric configurations.

The process management model in the Sterling nWMS PCA is optimized for supply chain operations, and integrates monitoring with event and task management. The process flow definition in the Sterling nWMS PCA is highly extensible, which enables each implementation to incorporate custom logic necessary for keeping a competitive advantage.

The Sterling nWMS PCA is adaptive to changes in facility and operations. It provides the ability to configure business processes for disparate facilities, such as Plant Warehouses, Regional Distribution Centers, Stock Rooms, and Value-Added Services (VAS) centers. The Sterling nWMS PCA facilitates incorporating changes in the network through virtual deployment of ship nodes, inheritance of rules, and configuration deployment tools.

The net-native framework makes the Sterling nWMS PCA highly interoperable, and enables internationalization and localization. This networked solution is highly scalable, and provides a central control point to introduce new business processes, and technologies.

The Sterling nWMS PCA thus provides flexibility for business demands, reduced implementation time, and rapid response to customer demands.

1.2.4 Comprehensive Product Management

The Sterling nWMS PCA is built to track and control inventory of products or items across an organizational network. Various parameters and granular definitions bundled into the Sterling nWMS PCA ensure consistent handling and measurement of inventory, and accurate handling of variable goods.

The Sterling nWMS PCA provides the capability to improve inventory accuracy by tracking user-defined product attributes, such as lot number, serial number, and so forth.

1.2.5 Complete Visibility

The Sterling nWMS PCA enables effective management of warehouse operations by providing wall-to-wall visibility of all critical information about inventory, orders, shipments, or containers. A warehouse operation benefits from visibility into this process information. By leveraging the Sterling nWMS PCA's Alert Framework, the process is proactively monitored for potential problems, thereby enhancing productivity levels.

The Sterling nWMS PCA provides web-based consoles to monitor, control, and direct day-to-day operations. Consoles like Task Management, Wave Planning, Pick Planning, and Event Management enable automation of daily operations.

The Sterling nWMS PCA raises proactive and reactive events, and raises appropriate exceptions through the Event Management layer.

1.2.6 Vendor Performance

The Sterling nWMS PCA provides features that include Advanced Ship Notice (ASN) matching, inventory disposition, and product classifications that enables for vendor rating and performance. Other features support tracking a carrier's capabilities for delivery compliance. Similarly, other partner's performance to agreement can be captured and reported.

1.2.7 Radio Frequency Identification Enabled

The Sterling nWMS PCA is designed to allow the adoption of Radio Frequency Identification (RFID) technology, allowing the definition of new RFID-driven business processes in your warehouse operations.

1.2.8 Optimized Operations

The Sterling nWMS PCA offers real-time, constraint-based optimization of processes in warehouses, thus reducing labor costs and improving productivity.

1.3 New Levels of ROI Driven by the Sterling nWMS PCA

The Sterling nWMS PCA solves business challenges and provides solutions, thus driving new levels of Return On Investment.

This is elucidated by [Table 1–1](#).

Table 1–1 Sterling nWMS PCA ROI

To solve the...	The Sterling nWMS PCA makes it possible to...	Driving a new level of ROI by...
Lack of best practices in smaller scale stocking and warehousing operations within the enterprise	Internally drive WMS benefits across the internal network of operations	<ul style="list-style-type: none"> • Lowering IT costs with centralized deployment • Lowering inventory with visibility • Reducing inventory errors and data entry errors • Increasing asset utilization
Operational inefficiencies present in channel-partner operations due to the lack of inventory control	Offer WMS capabilities to the channel in order to facilitate the rollout of best practices at the network level to optimize inventory, productivity and velocity in the channel	<ul style="list-style-type: none"> • Increasing end customer service level attainment • Lowering channel partner costs • Balancing network-wide inventory allocation • Lowering working capital and increasing network capacity and velocity • Addressing the multi-enterprise problem by providing the ability to manage their processes, which might be unique for each enterprise, and helping them utilize their assets that may be scattered across enterprises.
Customer burden of managing the rising cost of order administration and local inventory management at multiple locations	Deploy integrated supply and manage inventory stock locations at customer sites	<ul style="list-style-type: none"> • Lowering customer order administration costs • Increasing product availability • Lowering customer investments in working capital • Increasing margin through fee-for-service • Increasing sales
Ongoing supplier compliance issues and the rising costs of enforcement	Deploy functionality to suppliers on an as-needed basis to enforce ASN standards, RFID mandates, label formatting, data standards, quality and packaging compliance	<ul style="list-style-type: none"> • Reduced receiving errors and handling • Reduced inventory through direct-ship programs • Increased sales through better visibility

1.4 Sterling nWMS PCA Users

The Sterling Networked Warehouse Management System PCA can be used by any customer who has one or more facilities in their supply chain network.

Some of the potential users of the Sterling nWMS PCA are:

- Manufacturers

Manufacturers use the Sterling nWMS PCA to manage processes in their plant and distribution centers. They may use the Sterling nWMS PCA to ship products to retailers, mom and pop stores, directly to customers, and so forth.

- Logistics providers

Logistics providers use the Sterling nWMS PCA to provide warehousing and distribution services to multiple clients. Each client may have inventory in multiple facilities, with each facility being used to service multiple clients.

- Retailers

Retailers use the Sterling nWMS PCA to manage operations in their distribution centers, and ship to stores or fulfillment centers for their direct-to-customer channels.

Retailers may be:

- Traditional retailers who use the Sterling nWMS PCA in their distribution centers to manage shipping to stores.
- Online or Catalog retailers who use the Sterling nWMS PCA to ship directly to customers.

- Distributors

Distributors use the Sterling nWMS PCA to manage operations in their central distribution centers and regional distribution centers.

Features Overview

The Sterling Networked Warehouse Management System PCA is a web-based application that provides a comprehensive end-to-end solution, thus helping businesses manage inventory and processes throughout their network, through a synchronized warehouse management system.

The Sterling Networked Warehouse Management System PCA is built using a robust architectural framework that provides enough flexibility to adapt to changing business needs.

The various modules of the Sterling nWMS PCA are described briefly in this chapter. For more information about the modules, and their processes and solutions, see the *Sterling Networked Warehouse Management System PCA Implementation Guide*.

2.1 Inventory Control

This module provides:

- Granular tracking of inventory at a location, case, or pallet based on item attributes, including lot number, serial number, and so forth.
- Putaway of inventory.
- Retrieval of inventory.
- Replenishment of locations.
- Count.
- Management, visibility, and monitoring of inventory in a warehouse.

2.2 Inbound

This module provides:

- Comprehensive visibility to inbound shipments.
- Pre-receiving.
- Shipment, Purchase Orders (PO), Blind receiving.
- Putaway of receipts.

2.3 Quality Control

This module provides:

- Quality profiling.
- Quality Inspection.
- Comprehensive visibility to quality processes.

2.4 Task Management

This module provides:

- Task generation.
- Task assignment.
- Task interleaving.
- Management, visibility, and monitoring of tasks in a warehouse.

2.5 Reverse Logistics

This module provides:

- Returns pre-receiving.
- Returns receiving.
- Serial number capture.
- Disposition of inventory.
- Putaway of return receipts.

2.6 Value-Added Services

This module provides:

- Kitting and dekitting for static or dynamic Bill of Materials (BOM).
- Customer compliance such as special ticketing, security tagging, and so forth.
- Support for Build-to-Stock, Build-to-Customer, or Build-to-Order.
- Retrieval of component inventory.
- Putaway of kit inventory.
- Management, visibility, and monitoring of all VAS activities.

2.7 Cross Dock

This module provides:

- Opportunistic as well as planned cross dock.
- Product diversion to cross dock staging or directly to outbound shipping lanes.
- Cross dock based on items and for units, cases, or pallets.

2.8 Outbound

This module provides:

- Order release consolidation.
- Shipment routing.
- Grouping of shipments and wave planning.
- Constraint based real time optimization to suggest the best picking strategy.
- Containerization for optimizing packing and freight cost.
- Replenishment for demand.
- Picking.
- Packing.
- Outbound VAS.

- Less than Truck Load (LTL) or Truck Load (TL) Shipments, Bill of Lading (BOL).
- Manifesting for Parcel Shipments.
- Trailer loading.
- Management, visibility, and monitoring of all outbound activities.
- Pack and Hold Process
- Electronic Shipper Export Declaration Process

2.9 Reports

This module provides the following reports:

2.9.1 Inbound Reports

This module provides the following inbound reports:

- Await Material Report
- Delivery Dock Schedule Report
- Dock to Stock Cycle Time KPI Report
- Inbound Labor Requirements Report
- Item Attribute Setup Report
- Receipt Discrepancy Report
- Receipt Detail Report
- Receipt Summary Report
- Shipment Billing Summary Report
- Vendor Non-Compliance Report

2.9.2 Return Reports

This module provides the following return reports:

- Returns By Reason Code Report

2.9.3 Inventory Reports

This module provides the following inventory reports:

- Containers Not Having Standard Quantity Report
- Cycle Count Variance Daily Report
- Cycle Count Variance Monthly Report
- Cycle Count Variance Weekly Report
- Dedicated Locations Usage Report
- Dedicated Locations Activity Report
- Empty Location Report
- Inventory Aging Report
- Inventory Audit Report
- Inventory Balance Report
- Inventory Hold Report
- Item Inventory Across Nodes Report
- Item Inventory Report
- Item Tag No. Report
- Item Velocity Report
- Location Inventory Detail Report
- Location Inventory Summary Report
- Location/SKU Velocity Mismatch Report
- Node Inventory Valuation Report
- Participant List Report
- Space Consolidation Report
- Space Utilization Report

2.9.4 VAS Reports

This module provides the following VAS reports:

- Work Order Report

2.9.5 Outbound Reports

This module provides the following outbound reports:

- BOL Total Weights Report
- Container Volume Monthly Report
- Daily Shipment Report
- Dock Pickup Schedule Report
- Generic Shipper Report
- Hot Inventory Report
- On Time Shipment Report
- Order Billing Summary Report
- Order Cycle Time KPI Report
- Order Shipment Report
- Outbound Labor Requirements Report
- Pack and Hold Shipment Report
- Parcel Manifest Report
- Replenishment Status Report
- Same Day Pick Pack Ship Percentage Report
- Shipment Billing Summary Report
- Shipment Fill Rate Monthly Report
- Shipments Near or Past Cancel Date Report
- Shipment Shortage Report
- Staging Locations Report
- Vendor Non-Compliance Report

2.9.6 Task Reports

This module provides the following task reports:

- In-Progress Container Summary Report
- In-Progress Shipment Summary Report

- User Productivity Daily Report
- User Productivity Weekly Report
- User Productivity Monthly Report
- Warehouse Activity Completion Report

2.9.7 Billing Activity Reporting Engine Reports

This module provides the following billing activity reporting engine reports:

- Billing Activity Report

2.10 Printed Documents

This module provides the following prints:

2.10.1 Inbound Prints

This module provides the following inbound labels:

- License Plate Label
- Putaway Task List
- Receiving Worksheet

2.10.2 Inventory Prints

This module provides the following inventory prints:

- Count Sheet
- Hazmat SKU Label
- Replenishment Task List
- Retrieval Task List
- UPC Case Code Label

2.10.3 Outbound Prints

This module provides the following outbound prints:

- Carrier Labels

- Cart Manifest Task List
- Certificate of Origin
- Combined Picking and Packing Slip
- Commercial Invoice
- Item Pick Task List
- LTL Manifest
- Multi-SKU UCC-128 Container Shipping Label
- North American Free Trade Agreement Certificate of Origin
- Packing Slip
- Packing Slip with Lot- and Serial-Tracked Items
- Packing Slip With Package Level Details
- Packing Slip with Lot- and Serial-Tracked Package Level Details
- RFID Slap and Slip Label
- Shipper's Export Declaration
- Single-SKU UCC-128 Container Shipping Label
- Special Ticket Label
- VICS Bill Of Lading

It also enables you to configure prints and printer.

2.11 Location Mass Maintenance

This module provides:

- Locations that are selected based on the criteria.
- The attributes of the locations can be updated with the new values.

2.12 Dynamic Velocity Calculation

This module provides:

- The speed at which an item moves in a warehouse.
- Support for calculating new velocity codes for items.

2.13 Integration With Slotting Engines

This module provides:

- Space Utilization
- Picking Efficiency

2.14 Packing

This module provides:

- Shipment-Driven Packing
- Item-Driven Packing
- Verify Packing
- Unpack

Index

A

ASN (Advance Ship Notice), 7

B

benefits, 4

blind receiving, 12

BOL (Bill of Lading), 14

BOM (Bill of Materials), 13

business challenges, 1

C

comprehensive product management, 7

cross dock, 13

D

disparate systems, 2

distributors, 10

documentation home page, x

E

environment variable

YANTRA_HOME, x

YANTRA_OLD_HOME, xi

YFS_HOME, x

YFS_OLD_HOME, xi

F

features, 11

finished goods distribution center, 1

I

inbound, 12

inventory control, 11

K

key capabilities, 4

key problems, 1

L

logistics providers, 10

LTL (Less than Truck Load), 14

M

manufacturers, 10

multi-enterprise management, 5

N

net-native framework, 6

networked solution, 5

O

online or catalog retailers, 10
optimized operations, 8
outbound, 13

P

PO (Purchase Orders), 12
process centric, 6
process management, 6

Q

QC (Quality Control), 12

R

radio frequency identification. See RFID
retailers, 10
return on investment, 8
reverse logistics, 12
RFID (Radio Frequency Identification), 8
 enabled, 8

T

task management, 12
TL (Truck Load), 14
traditional retailers, 10

U

users, 10

V

VAS (Value-Added Services), 6, 13
vendor performance, 7
visibility, 7

W

web-based consoles, 7

Y

YANTRA_HOME, x
YANTRA_OLD_HOME, xi
YFS_HOME, x
YFS_OLD_HOME, xi