

---

# Gentran Integration Suite 4.3

## *B2B for Multi-Enterprise Collaboration*

### Guide to What's New

Document version 1.00

[www.sterlingcommerce.com](http://www.sterlingcommerce.com)  
toll free 800.299.4031  
[inquiry@stercomm.com](mailto:inquiry@stercomm.com)

**Table of Contents**

Introduction .....	3
Standards .....	3
Security Updates .....	5
AS2 Updates .....	5
Encrypting System Data .....	6
Odette FTP Adapter .....	6
System Environments .....	6
Other Items .....	6

## Introduction

### A Commitment to Standards

In IT implementations, there is no such thing as a homogenous environment. What your internal systems support your customer's systems may not. What you deem as strategic endeavors changes as the business adapts to market changes. The reliance on the business for IT to connect to anybody, anywhere, remains an imperative.

Because of its role as the primary conduit between you and the outside world in the exchange of business documents, Sterling Commerce's Gentran Integration Suite is where companies look for leadership in breadth and completeness of standards. Version 4.3 of Gentran Integration Suite introduces an important change in Standards packaging and delivery. We have broken out the packaging and delivery capabilities of our standards libraries to be able to be delivered outside of the base Gentran Integration Suite releases, allowing new or changed standards to be updated and delivered at a much faster pace. This gives our customers faster time to compliance and speedier entry into new business areas.

The following short paragraphs provide a quick window into the updates that are available in Gentran Integration Suite v4.3. We hope you find them helpful to your business.

### About Gentran Integration Suite

Gentran Integration Suite is designed to enable enterprise agility. For enterprises, agility facilitates synchronization between business partners, suppliers, vendors, service organizations, and even customers. Whether global or local, we need to supply each of our customers what they need when they need it.

Collaboration between businesses is a key component of this success. The business owners demand tight relationships to exact maximum value from a partnership. The underlying B2B infrastructure needs to support and enhance the needs of this relationship. In the past, companies have primarily used B2B as a way to decrease costs by automating or eliminating manual processes. Now, many forward-looking companies are deploying B2B technologies that give them greater visibility and insight into their business, then exploiting that visibility to create a sustainable competitive advantage and grow earnings.

Gentran Integration Suite 4.3 is a continuation of Sterling Commerce's efforts to assist customers in gaining greater visibility into their business and that of their business partners.

## Standards

Gentran Integration Suite has updated its packaging and delivery of standards with the 4.3 release.

Packaging has been separated from base code, allowing customers to update their standards library without upgrading Gentran Integration Suite as a whole.

We expect three to four releases of the Standards Library per year.

## Gentran Integration Suite v4.3 – Guide to What’s New

Gentran Integration Suite Standards enhancements include:

- CIDX/PIDX
  - Rosettanet-based Chemical (CIDX) and Petroleum (PIDX) industry-specific standards
- OAGIS 9.0
  - Open Applications Group Inc (OAGi) canonical messages
- GUSI
  - Global Upstream Initiative – GS1 XML Schemas 2.1 and 2.1.1 support (where applicable)
- EDI Standards updates
- Attachment support for Rosettanet 2.0
- Numerous AS2 updates (more below)

MEFG Standards enhancements include:

- SWIFTNet Funds v4.0
  - Functionality for all SWIFTNet Funds messages and rules
- SWIFTNet Cash Reporting v3.0 and 3.1
  - Functionality for all SWIFTNet Cash Reporting messages and rules
- SWIFTNet Exceptions and Investigations v1.1
  - Functionality for all SWIFTNet Cash Reporting messages
- SWIFT Message Entry Workstation
  - Structured message entry editor
- SWIFT XML Validation
  - Provides semantic validation and repair of the SWIFT XML messages included in the SWIFT Standards library for:
    - SWIFTNet Funds
    - SWIFTNet Cash Reporting
    - SWIFTNet Trade Services
    - SWIFTNet Exceptions and Validations
- SWIFTNet FIN messages 2007
  - Update SWIFT MT messages to 2007 standards. Adds MT530 plus rules changes for specific other messages.
- SWIFT repair and resend of MX messages
  - For supported messages, translations that error will be marked for repair in the correlation service

## Gentran Integration Suite v4.3 – Guide to What’s New

- NACHA updates for 2007
- BECS Type 2 and BECS Type 3 messages
- ST03 Element support for ANSI X12
- Target 2.2
- SWIFTNet Adapter v6.0

### Security Updates

Several updates to our security capabilities have been added:

- Common Criteria Certification
  - Gentran Integration Suite reached EAL2+ certification from the Common Criteria standards body
- Federal Information Processing Standards (FIPS) 140-2 certified Encryption Module
  - Using the Certicom Government Services Edition (GSE) component, this adapter funnels cryptographic function calls from the core system to the GSE for processing
- Clustering without use of IP Multicast
  - Remove the security concern for use of IP multicasting by multi-node addressing using JGroups
- Encryption of documents/messages stored on the Gentran Integration Suite database or file system (more below)
- Re-validation against current PGP providers

### AS2 Updates

AS2 continues to standardize connections between enterprises. Responding to customer requests, we have added many updates to the Gentran Integration Suite implementation of AS2 connectivity.

- Throttling: when trading partners become unresponsive, Gentran Integration Suite detects and slows down transmission to that partner until it begins to respond
- MDN Distribution: Option to delay processing of message payload until the MDN is sent successfully
- E-mail notifications of participants when send attempt fails
- Multiple attachment support
- Updated retry logic if transmission failed

## **Encrypting System Data**

The System Security Adapter has been updated to encrypt documents stored on the Gentran Integration Suite database while awaiting processing.

Gentran Integration Suite offers the option to automatically encrypt and store data securely in the file system and database, automatically decrypting them when the files are accessed for transfer or translation.

Keeping the files under system encryption closes a potential security gap for those with concerns about temporary storage of data awaiting processing. When needed for processing, Gentran Integration Suite decrypts the awaiting document for use.

## **Odette FTP Adapter**

The Odette FTP Adapter has been updated to support the IP protocol natively.

The Odette FTP Adapter natively supports OFTP with Gentran Integration Suite on all Gentran Integration Suite platforms. It supports point-to-point communication between trading partners using the OFTP 1.2 protocol over IP and ISDN as an underlying communication protocol. The Odette FTP adapter implements the complete OFTP and CAPI protocol stack.

Customers with the current OFTP adapter gain access to this native Odette FTP adapter free of charge.

## **System Environments**

Gentran Integration Suite includes support for:

- MS SQL Server 2005
- Oracle RAC
- JDK 1.5
- MySQL 5.0

## **Other Items**

Numerous other updates:

- File System Adapter sequencing: files can be extracted from the file system by date or by filename
- Upgrade process improvements: upgrade process has been streamlined and documentation expanded
- Spanish and French localization: user interface updated for Spanish and French language support. Note: contact your sales representative for availability information
- International time/date formats: time/date formats can be chosen based on local custom
- Translation: Big Decimal support