



# eSign Transaction Management Suite™

## SmartConnect™ Product Spotlight

With eSignSystems' eSign Transaction Management Suite (eTMS), organizations can immediately achieve:

**Regulatory Compliance** — eTMS is compliant with numerous regulations, legislation and standards including: ESIGN, UETA, Revised Article 9 of the UCC, SPeRS and GPEA.

**Greater Efficiency** — Faster, more efficient business processes, even for complex transactions involving multiple decision makers, approval points and signatures.

**Cost Savings** — Significant cost savings and return on investment through elimination of document transportation costs such as mail, overnight and courier expenses; elimination of material and processing costs, such as, copying, printing and paper; and elimination of storage costs such as filing systems, warehousing and security.

**Better Control** — Improved control over access to electronic information, with the ability to authenticate the identities of participants in b2b, b2c, g2g, g2b and g2c transactions.

**Increased Productivity** — Enhanced productivity, with better use of staff and equipment resources.

### INTRODUCTION

The eSign Transaction Management Suite (eTMS) from Wave Systems enables organizations to manage business processes and transactions entirely online. eTMS is flexible, with modular components that can be easily customized to suit an organization's specific requirements.

eTMS enables organizations to create, sign, store, access and manage the lifecycle of legally binding electronic records. eTMS is an integrated suite of applications that provides the functionality necessary to meet the technical and legal requirements of transactions governed by ESIGN, UETA, Revised Article 9 of the UCC, SPeRS and GPEA.

The eTMS product set includes:

- SmartIdentity™
- SmartForms™
- SmartSignature®
- SmartSignature® Server
- SmartSigning™ Room
- SmartClose™
- SmartSAFE™
- SmartConnect™

### PRODUCT SPOTLIGHT

#### SmartConnect™ Web Services:

SmartConnect Web Services extend the power of eTMS by offering web services from your applications to the SmartSAFE. For example, these web services can eliminate the need for user interaction with the SmartSAFE to view signed documents. Furthermore, signing and transactional data can be pulled down via a web service and used to populate other systems such as CRM and workflow applications.

The following web services are available from the SmartSAFE:

#### Document Tagging Web Services:

Preparation of documents for signing can be completed via SmartConnect for the following signing methods:

- SmartSignature (TagTool.dll)
- SmartSignature Server (Tagging API)
- SmartSigning Room

#### Folder Level Web Services:

- **Search Folder:** Searches for folder in the SmartSAFE.
- **Get Folder:** Returns information about a given folder.
- **Get Root Folder:** Returns the root folder from SmartSAFE's Folder Explorer. This works in conjunction with Get Child Folders.
- **Get Child Folder:** Returns the child folder for a Root Folder in Folder Explorer. This method is useful for building trees. For example, this method could be used to build the complete folder tree so a folder can be selected for upload.
- **Add Folder:** Creates a new folder underneath the given parent folder.
- **Get Documents:** Returns a list of documents in a given folder.

#### Document Level Web Services:

- **Upload Document:** Securely uploads a document or series of documents to the SmartSAFE.
- **Search Document:** Searches for a document within the SmartSAFE.
- **Upload ePackage:** Uploads a document for filing, preparation for signing and SmartSigning Room creation.
- **Get Document Properties:** Returns the properties for a given document.
- **Get Document Signers:** Returns the signers of a particular document.
- **Get Signed Document:** Returns a copy of the document as a byte array.
- **Get WSOL/SOL Export Package:** Returns export package containing SOL/WSOL file and package hash for a specific document.
- **Get Package Hash:** Returns hash of export package for Client to verify package has not been tampered with since original export.
- **Confirm Export Package:** Records successful export and deletes the exported document at the SmartSAFE (if applicable.)
- **Delete Partially Signed Document:** Allows incomplete signings to be deleted from SmartSAFE.
- **Delete Document:** Allows signed documents to be deleted from SmartSAFE (with appropriate permissions and settings.)
- **Get Signed Document with Graphic:** Returns XML containing the signed document (with footer and/or watermark information if applicable) and signer graphics.



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## Admin & Reporting Web Services:

- **Create Account:** Creates new user accounts for signing and SmartSAFE access.
- **Change User Password:** Allows authorized users to change current password.
- **Admin Change Password:** Resets the SmartSAFE Admin password.
- **Batch Processing Request:** Allows for batch processing of user accounts.
- **Set User Profile:** Updates an existing users' profiles.
- **Set Configuration Settings:** Updates SmartSAFE configuration settings, including:
  - Deletion of signed documents settings
  - Document Export (SOL/WSOL) configuration settings,
  - Footer and / or Watermark settings
  - Signer graphic configuration
- **Signing Status Report:** Allows Signing Status Report to be pulled, providing the status of documents prepared for signing.
- **Add Client:** Adds a new SmartSAFE client.
- **Signing Room Details:** Allows Signing Room Details report to be pulled, providing details on signing room completion.
- **Signing Room Log:** Allows Signing Room log to be pulled, providing details on signing room activity.
- **Get Field Length:** Retrieves a Client's username and password maximum/minimum settings.
- **Authenticate:** Authenticates user and returns a Session ID.

## Export Utility Methods:

A series of web methods to extract information from a WSOL/SOL export package.

- **Get File:** extracts SOL/WSOL file
- **Get Signer Graphic:** extracts signer graphic
- **Get Signed Document:** extracts signed document
- **Get Document Name:** extracts document name
- **Get Signer Details:** extracts all signer details
  - **WSOL files:** Signer first/last name; date/time stamp
  - **SOL files:** Signer first/last name; date/time stamp; certificate revocation and validity details
- **Get Certificate Details:** extracts certificate revocation and validity details for the tamper evident seal of the WSOL package

## TECHNICAL REQUIREMENTS

Developers must possess knowledge of web services and how to access web services using a development environment or toolkit. Environments that can be used include: Microsoft Visual Studio .Net, the Microsoft SOAP Toolkit or equivalent.

## IMPLEMENTATION

In each case, Wave Systems works hand-in-hand with its clients to implement the eSign Transaction Management Suite. An Implementation Manager (IM) guides each client through the process. The IM helps mold a solution to fit particular needs, then helps a client re-check to make sure all steps and testing are complete before the client goes live.

If substantial customization is needed, a member of our professional services team will be sent to the client to develop a project specification plan to handle the customization process. There is a one-time charge for the development of the project specification document and for any customized development.

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