

# TCS SWIM

TTH Ports & Cargo SBG



The increasing focus on digitalization and automation of the ports and cargo industry calls for the adoption of a B2B platform that can help enterprises to securely exchange in real-time electronic business documents and events with various stakeholders, irrespective of message format, exchange protocol and processing requirements. A B2B communication platform can help enterprises reduce the processing time significantly, making the documentation process quick and seamless.

TCS Software for Intelligent Messaging (SWIM) solution helps automatic exchange of electronic document between terminal operators and external trading partners. TCS SWIM solution provides features to configure electronic message and their processing or transformation rules for different standard or custom format and exchange using secure standard protocols like SFTP or HTTPS. It enables users to monitor the status of exchange, rectify issues and reprocess it. The solution helps businesses to manage documentation process efficiently besides reducing the overall TCO by leveraging our cloud-ready and platform neutral practices.

## Overview

Terminal, port, and cargo companies are looking for a configurable B2B platform that can help them manage exchange of electronic business documents quickly and efficiently. The manual nature of the documentation process makes the exchange of business documents prone to error which can result in significant delays in processing them. The lack of support for processing different documentation formats, whether standard or custom, and exchange protocols can adversely impact the timeliness, accuracy and integrity of this process. With the increasing focus on digitalization and automation of the industry, an increasing number of such exchanges requires the support of a B2B platform.

TCS SWIM B2B is a cloud-ready configurable B2B solution providing seamless electronic data exchange of out-of-box supported formats like the United Nations rules for Electronic Data Interchange for Administration (UN/EDIFACT) or X12 or Destin8, besides custom format. facilitates the exchange of information between marine/rail/airport terminals and their external trading partners. The custom point-to-point solution that can be deployed centrally supports numerous documentation formats, protocols, and communication channels, making the process faster and more efficient. The solution also supports real-time business rule exchange by providing enterprises the agility to adopt new B2B documentation standards.

# Our Solution

TCS SWIM provides the following range of features that can help enterprises make the documentation process efficient and seamless:

- **Centralized Deployment:** Deploy the offering centrally with terminal level access control and integration support
- **Flexible Document Processing:** Define and/or configure standard or custom document/message format, transformation and processing rule according to terminal and trading partner requirements
- **Monitoring and Control:** Provides ability to control B2B partner related agreement definitions and monitor status of a B2B partner related inbound or outbound document exchange. Besides support for UN/EDIFACT (commerce and transport), X12, Destin8 standard document formats. It also supports definition of custom structured dataset in formats like extensible markup language (XML), comma separated values (CSV) and Fixed length.

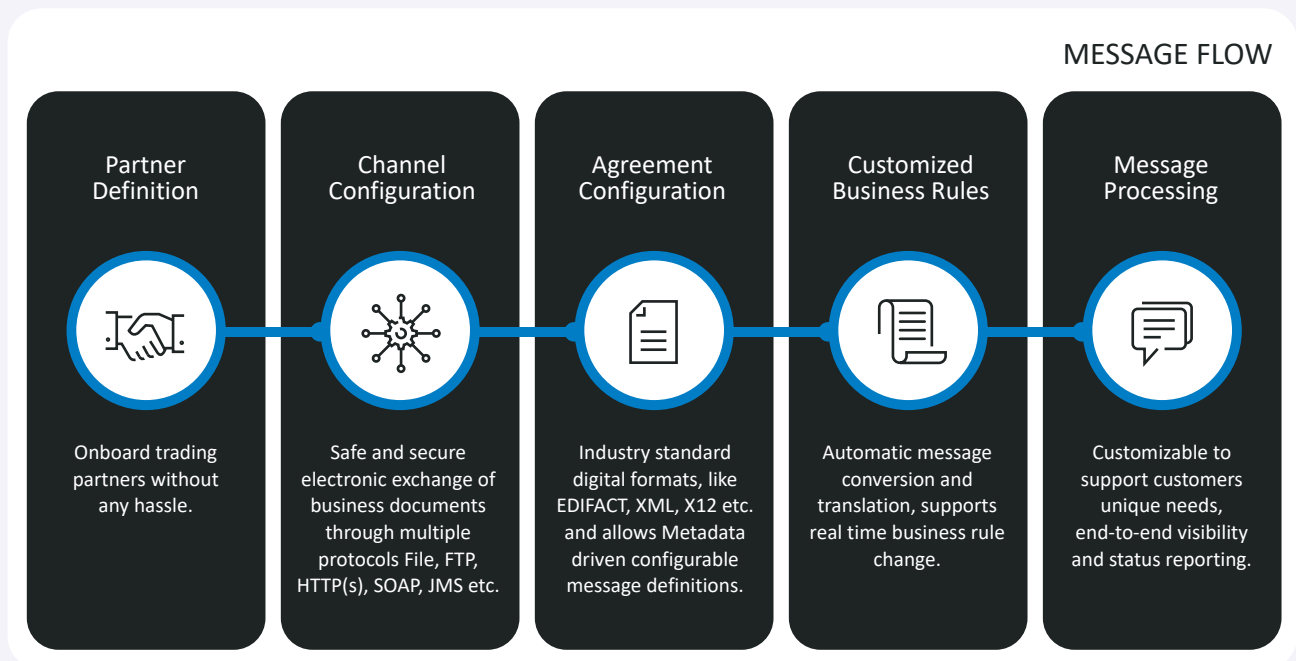


Figure A: TCS SWIM Solution

# Benefits

TCS SWIM addresses a wide spectrum of documentation problems and provides the following benefits to its partners:

- **Easy configuration:** Ease of setting up new messages, communication channels and partner agreements in a matter of minutes
- **Digitalized process:** Zero manual intervention required with automated validation of B2B data
- **Reduced processing time:** Significantly reduces the processing time from hours to fraction of seconds by automating the documentation process
- **Sustainability:** Paperless B2B communication that promotes a greener supply chain for a more sustainable and environmentally-friendly workplace
- **Security:** Partner communications through EDI software are transferred through secure communication channels such as SFTP and email
- **Scalability:** Allows for expansion and business growth without increasing operational costs

# TCS Advantage

A partnership with TCS can help enterprises take advantage of the following key differentiators:

- **Domain Expertise:** TCS has partnered with several terminals in their transformation journeys over the past 25 years
- **Contextual Knowledge:** Our industry engagements enable us to build cost-effective, high-performance solutions designed to meet the challenges of the seaports, railways and airports
- **Full-stack solution:** We offer a range of core services including ERP, technology implementation, infrastructure support, and consulting to offer a one-stop answer to meet the industry's varied business needs and IT expectations
- **Flexible business model:** TCS works with terminals to define and tailor the business model best suited for their unique requirements

## Contact

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## About Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services is a purpose-led transformation partner to many of the world's largest businesses. For more than 50 years, it has been collaborating with clients and communities to build a greater future through innovation and collective knowledge. TCS offers an integrated portfolio of cognitive powered business, technology, and engineering services and solutions. The company's 469,000 consultants in 46 countries help empower individuals, enterprises, and societies to build on belief.

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