



Manufacturers constantly face the challenge of effectively managing global shipments. This challenge is made increasingly complex by ever-changing country-specific regulations. Moving raw materials and goods throughout the end-to-end supply chain involves operating in multiple languages and countries, and meeting several import and export regulatory requirements. Manufacturers relying on manual transportation and trade processes increase supply chain risk,

regulatory risk and the likelihood of shipment delays. Many manufacturers struggle to share timely information and documentation with carriers, freight forwarders, customs agencies and other trade partners. Trade partner collaboration lowers transportation costs, improves carrier performance and reduces the risk of non-compliance with numerous national and international trade regulations.

BENEFITS

QAD TMS (transportation management system) standardizes transportation operational procedures, implements best practices and configures workflow and rules to support global transportation and trade processes. QAD offers a proven, integrated solution.

Specific benefits include:

- **Reduce transportation and shipment expediting costs** through improved carrier selection based on user-defined parameters
- **Improve efficiency** by eliminating error-prone manual processes
- **Avoid shipment and delivery delays** due to improved import and export documentation accuracy
- **Ensure import and export regulatory compliance**
- **Improve carrier performance and on-time deliveries** by providing easy access to accurate shipment information
- **Decrease freight bill error rates** with accurate auditing
- **Reduce production delays** by ensuring timely delivery of material through accurate and low-cost transportation management
- **Respond rapidly to unexpected shipment disruptions** with real time alert notifications
- **Mitigate compliance risks** by using comprehensive controls for trade compliance, quality and industry-specific requirements
- **Reduce customs audits** with timely access to changing country specific regulations
- **Enhance landed cost accuracy** with greater access to all associated costs
- **Ensure document accuracy and electronic customs filing**
- **Lower duties and taxes** with free trade agreement participation

SOLUTION OVERVIEW

QAD TMS streamlines transportation processes, reduces logistics costs and ensures global trade compliance. As part of the overall QAD Supply Chain solution set, QAD TMS provides automated rating, routing and complete management of multi-modal shipping. QAD TMS automates the generation of complex customs and export documentation and includes screens for denied parties ensuring international trade regulation compliance.

QAD Supply Chain	Distribution Requirements Planning	Enterprise Operations Planning
	Global Requisition System	Purchasing
	Supplier Consignment	Supplier Performance
	QAD DSCP*	QAD TMS*
	QAD Supplier Portal*	QAD Warehousing*
*Related Solutions		

Key components of QAD TMS include:

Trade Compliance automates and streamlines documentation production and customs reporting for international shipments.

- **Monitors trade regulations** and issues content changes daily
- **Intelligently identifies restricted parties and entities**
- **Determines line item license requirements** and any available exceptions for licenses

Global Trade Management

automates documentation production and customs reporting, helping companies adhere to regulatory requirements and reduce global trade costs.

- Provides an extensive **library of shipping documents** to facilitate international trade
- **Integrates with various customs authorities** like ACE and Atlas to support electronic export declarations
- **Generates accurate landed cost calculations**

Transportation Execution manages inbound and outbound shipments, providing centralized control and visibility throughout the shipment execution process.

- **Selects carriers by lowest cost per shipment** using actual rates with the ability to choose routes that minimize fuel consumption
- **Provides access to a global network** of configurable and certified carriers for parcel, LTL, TL, freight and courier deliveries
- **Controls small package shipments** for mailroom and non-production shipping
- **Manages freight rates** with comprehensive rating capabilities across all modes

Delivery Exception Management

provides a single point of visibility into all shipments from first mile to last mile — from the time of carrier pick-up through delivery.

- **Offers continuous electronic carrier status updates** and color-coded priority alerts to immediately point out critical issues
- Provides the ability to **electronically create and submit requests** for lost or damaged shipments
- **Captures and stores proof of delivery status**, supporting compliance initiatives and streamlining processes for invoicing and audit purposes

Freight Bill Audit and Pay automates the freight bill approval process and identifies discrepancies between anticipated carrier freight costs and the actual carrier invoices.

- **Identifies consolidation opportunities** to eliminate unnecessary freight movements and related costs
- **Compares and reviews invoiced freight costs** versus supplier agreements
- **Audits freight bills for accurate billing**, handling charges, premium delivery services and other accessorial charges

Free Trade Agreement (FTA)

automates and audits FTA processes to ensure due diligence with the Rules of Origin regulation requirements.

- **Complies with FTA requirements** for all 450+ WTO trade agreements
- **Covers Rules of Origin** across all HTS headings
- Determines origin status under FTA using **automated Rules of Origin**

SOLUTION DETAIL

QAD TMS delivers transportation and trade solutions designed to provide visibility and control as manufacturers move their goods throughout the global supply chain and around the world. For example, manufacturers may implement separate processes for domestic and international shipments with each reflecting required and optional steps and data. Key capabilities include:

- **Automatically assigns a carrier** based on a shipment's characteristics, carrier constraints and other user-defined parameters
- **Identifies best available carrier services** showing estimated cost, transit times and delivery dates
- **Manages multiple modes of transport** including parcel, less-than-truckload, truckload, air, rail, barge and ocean
- **Calculates export refund amounts** and helps manage the related collection of monies due
- **Identifies potential free trade agreements** for preferential duty savings
- **Accurately determines the total landed cost** from the point of origin to final destination
- **Monitors changes to trade regulations, free trade agreements** and published lists such as the U.S. Treasury's Office of Foreign Assets Control sanctions list
- **Ensures international compliance requirements** for every shipment to or from a supplier, customer or other trading partner
- **Screens customers and products** ordered against embargoed countries and restricted party lists
- **Manages license requirements** by country or item, including date, quantity and value
- **Provides a centralized location for shipment tracking** information regardless of carrier
- **Matches shipments to shipping plans** for event and exception management
- **Delivers automated shipment alerts** to key personnel or other supply chain partners
- **Audits freight bills for accurate billing**, handling charges, premium delivery services and other accessorial charges
- **Files electronic customs reports** and produces required documentation to support non-electronic filings
- **Automatically creates and solicits Certificates of Origin**

QAD TMS STREAMLINES TRANSPORTATION PROCESSES, REDUCES LOGISTICS COSTS AND ENSURES GLOBAL TRADE COMPLIANCE

For more information on how QAD TMS and other QAD Supply Chain solutions can help your company, please contact QAD at +1-805-566-6100 or email info@qad.com.



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