



syrinx[™]
e-Shipping Portal

POWERED BY TRADE TECH
Logistics Cloud Computing



This is a time of tremendous change in the international container shipping industry.

The emergence of megaships is resulting in an increased number of containers going in and out of ports and as of July 1, 2016, the Safety of Life at Sea (SOLAS) convention requires verified gross mass (VGM) to be submitted for all containers. Have you thought about how this affects your business?

Time is money

VGM must be transmitted and received by carrier and terminal operators before containers can be accepted into the terminal. If containers arrive at port without a VGM, they will not be processed or loaded, costing your business time and money.



Fragmented communications

VGM data collection relies on each party being able to communicate effectively. Communication within the supply chain has not evolved to meet the changes in the shipping industry and there is no collective communication platform linking the shipper, forwarder, trucker, warehouse, scale operator, carrier, terminal and customs.



Delayed data, delayed shipments

Different work schedules, truckers and surveyors working off site or on the road, and current paper and manual communication methods mean VGM data can be held up, leading to problems at the terminal.

Shippers & carriers
work Monday through
Friday, 9 a.m. – 5 p.m.



Truckers, terminal operators
and warehouse staff work
24 hours a day, 7 days a
week, 365 days a year.



Possible problems:

- Containers that arrive at the terminal without VGM documentation will be turned away until VGM data arrives – sometimes a day, or more, later.
- Scale tickets not delivered to shippers until after containers arrive at terminal leads to shippers not having the documentation needed to prove how VGM was calculated.
- Warehouse packing lists that take too long to be delivered may cause legal issues.

Adapting to the new world

Terminals will begin implementing management systems that will require VGM to be on file prior to making a delivery appointment. Current carrier systems are not equipped to transmit VGM receipt notifications electronically to terminals and must adapt.

A connected solution for a changing industry

Trade Tech's **Syrinx e-Shipping Portal** solution gives your business the real-time communication, data sharing and workflow management it needs to succeed and stay ahead of the industry and pending market changes.

Cloud technology for business where ever you are

Using a secure login and password, users can access Syrinx e-Shipping Portal from any computer, tablet or smartphone – on the road or in the office.

Connected for success

One centralized communication platform that connects everyone in the supply chain – the shipper, trucker, scale operator, carrier, terminal, trans-load facility, warehouse and customs. Syrinx e-Shipping Portal's connectivity enables VGM data to be transmitted to carriers, as well as delivery of a VGM certificate to terminal operators, truckers and shippers.



Workflows that work

The flexible, collaborative workflow environment enables shippers to customize workflows and assign tasks based on the shipment. No matter who weighs the container, or which method is used, VGM data is submitted directly from the source.



Shipper books the cargo with the carrier and enters the booking number into the shipment as the critical cross-reference data point.

Shipper assigns trucker responsible to load cargo.

Shipper assigns the warehouse responsible to load cargo.

VGM submission step-by-step



Method 1

- Step 1: Trucker weighs** empty container, chassis and truck at scale
- Step 2: Trucker loads** container at warehouse
- Step 3: Trucker returns** to same scale to weigh loaded container, chassis and truck
- Step 4: Enter VGM data** into Syrinx e-Shipping Portal in one of three ways depending on assigned workflow
- Scale submits data directly to Syrinx e-Shipping Portal using Electronic Data Interchange (EDI) (if scale is directly connected to portal)
 - Scale operator manually enters data using a computer (if scale is assigned by shipper)
 - Trucker uploads a photo of the scale using a tablet or smartphone
- Step 5: Trucker transmits** VGM to carrier via Syrinx e-Shipping Portal
- Step 6: Trucker and shipper receive** certificate from Syrinx e-Shipping Portal that VGM has been transmitted to carrier



Method 2: No Surveyor Required

- Step 1: Warehouse weighs** all packages and cargo items
- Step 2: Warehouse enters** packing list data into Syrinx e-Shipping Portal
- Step 3: Trucker loads** container at warehouse
- Step 4: Warehouse enters** tare weight data into Syrinx e-Shipping Portal
- Step 5: Syrinx e-Shipping Portal** calculates VGM
- Step 6: Warehouse transmits** VGM to carrier via Syrinx e-Shipping Portal
- Step 7: Trucker and shipper receive** certificate from Syrinx e-Shipping Portal that VGM has been transmitted to carrier



Method 3: Surveyor Required

- Step 1: Warehouse weighs** all packages and cargo items
- Step 2: Warehouse loads** container under supervision of **surveyor**
- Step 3: Surveyor enters** packing list data, including container tare weight, into Syrinx e-Shipping Portal
- Step 4: Syrinx e-Shipping Portal** calculates VGM
- Step 5: Surveyor transmits** VGM to carrier via Syrinx e-Shipping Portal
- Step 6: Trucker and shipper receive** certificate from Syrinx e-Shipping Portal that VGM has been transmitted to carrier

Enter VGM data once. Re-use multiple ways.

Submission of VGM to the carrier triggers **automatic workflows** for truckers and shippers.



Shipper completes Shipping Instructions (SI) and transmits to carrier via Syrinx e-Shipping Portal



Shipper completes Automated Export System (AES) / Customs filings and transmits to customs via Syrinx e-Shipping Portal



Trucker requests a gate appointment with the terminal operator via Syrinx e-Shipping Portal

Best practices for smoother shipments

Syrinx e-Shipping Portal helps shippers implement best practices in VGM data collection, such as weighing containers as close to loading as possible.

- **Method 1 shippers should be cautious to adhere to legal road weight limits and other regulations on container weight limits.**
- **Method 1 shippers should focus on weighing the loaded container as close to the warehouse or load facility as possible. Certified weights will highlight any violation of load weight limitation regulations.**
- **Overweight containers rejected by the terminal will need to be returned to the warehouse or load facility for removal of cargo.**

Syrinx e-Shipping Portal offers a global solution for submission of VGM data and is essential to successfully handling changes within this ever-evolving industry.

Learn how
syrinx
e-Shipping Portal
can keep your
business moving.

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