

Verified Gross Mass in Container Stowage

Are You Ready for Changes
in Container Weight Verification Requirements
effect on July 1, 2016?

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Nicolas Guilbert
nicolas@ange.dk
LinerGame / Ange



Agenda

- Introduction
- Why VGM Matters in Stowage
 - In operations
 - Safety (and commercially)
- A legal or a technical issue?
- Making it work in practice



Experience

Network Design and Operation

- Strategic Network Design
- Schedule Optimization
- Product generation
- Empty repositioning
- Optimal cargo flow

IT

- Corporate system design
- Software development
- Interoperability
- Testing and Integration
- Agile project management

Stowage

- Angelstow
- Stowage automation
- Performance measures
- Quality control

Terminal Optimization

- Performance monitoring
- Performance analysis
- Strategic yard planning

Yield Management

- Statistical analysis and BI
- Robust filtering
- Market response modeling

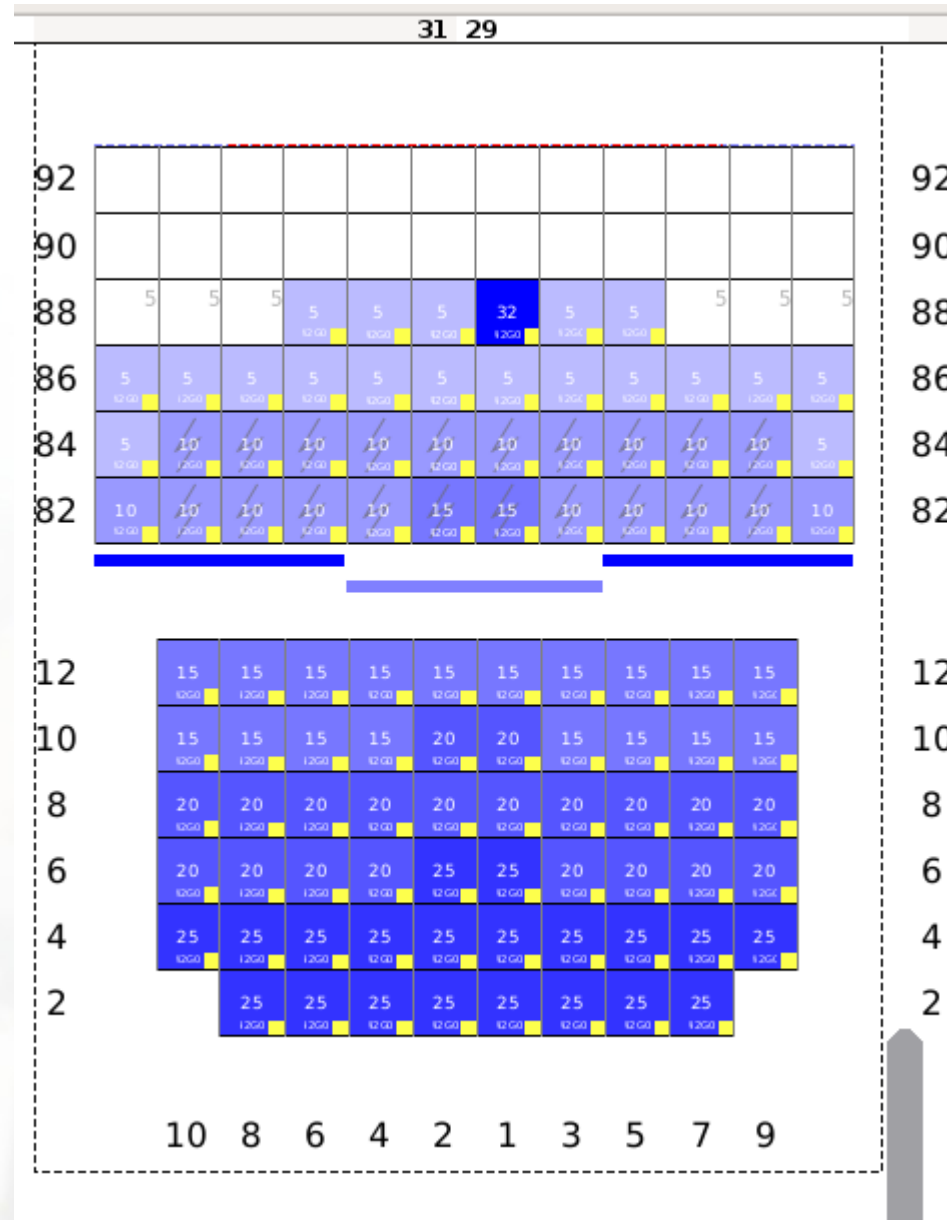


- PROVIDER OF UNDERSTANDING

Why VGM Matters in Stowage

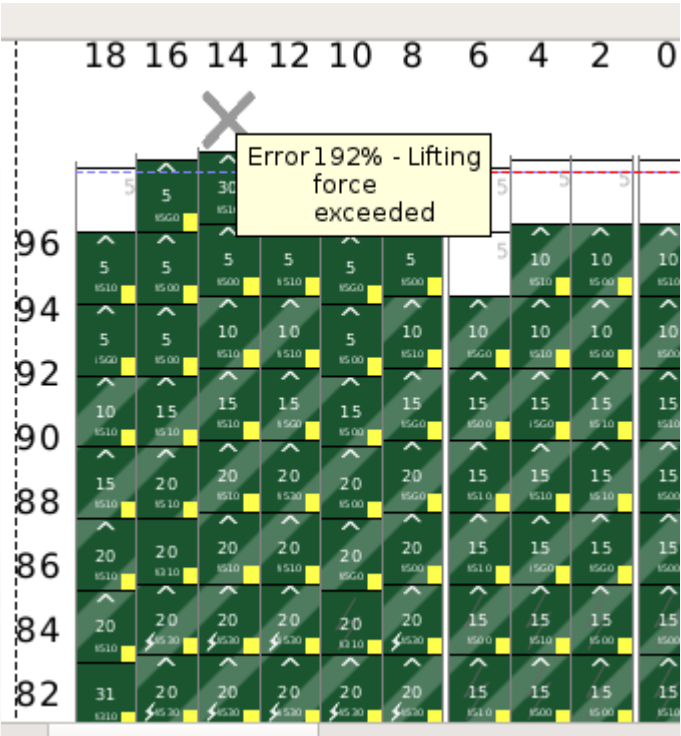


To WAF – and back again



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Outliers are bad



A Legal or a Technical Issue?



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Making it work in practice

“What we are talking about is continuing to build upon best practices on what we have been doing.

As a shipping community, we are saying we are providing gross and net weights today, accurately and to our best ability. What we can't afford is another VGM field, another EDI (electronic data interchange) program, another database, for information we are already providing”

Donna Wood, shipper, TPM 2016

They are not mandatory under SOLAS, they are not mandatory under any U.S. regulation. It says that right on top — these are non-mandatory guidelines,

Paul Thomas, Rear Admiral US Coast Guard, TPM 2016

In brief: push-back from the shippers and no hard legal enforcement.

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The Devil in the Details

Official SMDG example:

LOC+147+0020082'

FTX+AAY++DRF+

201606211600UTC:

*LINE BRANCH OFFICE SA OPS; STREET;CITY;COUNTRY:
PHONE;EMAIL:*

VOYNO-ABCU1234567'

MEA+VGM++KGM:24713

Actual Example:

FTX+AAY++SHP+:SHIPPER::SM1:201601011600

FTX+AAY++DRF+201601011600:::ABC23454600:SM1

MEA+VGM++KGM:20790



Making it work in practice

- In brief: How do we come up with a working technical solution
 - without disrupting existing business processes
 - in an environment full of legacy IT systems



A Simple Bottom-Up Approach?

Make it easy to capture different sources of measurements in the data layer – specifically use the EDI formats to store **multiple measured weights**, either verified or not (there is already support for up to 9 measures in the EDI MEA segment).

That would allow to capture the problematic outliers.

Example: Imagine a box + truck is gated in at 42 tons on a weighing station.

The load list (booking) indicates 10 tons.

Capturing the discrepancy would greatly improve the possibilities to get the error fixed.



Download Angelstow at

<http://angelstow.net>

And a short publicity spot:

<http://linergame.com>

