SOLAS/VGM Manual for HMM Customer

Global CS Team

2016. 6. 24
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## I. Outline for SOLAS/VGM

### Purpose
- MSC NAPOLI IN 2007: A major incident at sea caused by many overweight containers
- IMO Maritime Safety Committee (Nov 2014) adopted SOLAS changes
- Mandatory container weight verification requirement on shippers

### Enforcement (Scope/Substance)
- **Date:** effective on 1 July 2016
- **Scope:** Applied to Container Vessels and Terminals under SOLAS regulation
- **Weight Measure**
  - Method 1: Upon the conclusion of packing and sealing a container, the shipper may weigh, or have arranged that a third party weight, the packed container.
  - Method 2: The shipper may weigh or have a third party weigh each package stuffed in the container including the packing and securing material and adding those weights to the container’s tare weight marked on the door end of the container.
- **Limitation:** No VGM, No Load. Shipper should submit VGM to carriers or terminals
- **Cut off:** Before gate-in or compliance with national regulation (between Booking and SI)
- **Weight tolerance:** in less than ±5% from total weight or compliance with National Regulation
- **EDI Format:** New EDI format, VERMAS (Verification of Mas) for VGM Transaction
I. Outline for SOLAS/VGM


- Guidelines regarding the verified gross mass of a container carrying cargo: [www.worldshipping.org/industry-issues/safety/cargo-weight](http://www.worldshipping.org/industry-issues/safety/cargo-weight)

- Guidelines for improving safety and implementing the SOLAS container weight verification requirements: [www.worldshipping.org/industry-issues/safety/cargo-weight](http://www.worldshipping.org/industry-issues/safety/cargo-weight)

- The IMO/ILO/UNECE Code of Practice for Packing of Cargo Transport Units (CTU) and CTU Code informative materials can be found at: [www.worldshipping.org/industry-issues/safety/containers](http://www.worldshipping.org/industry-issues/safety/containers)

- SMDG, including the Implementation Guidelines: [www.smdg.org](http://www.smdg.org)

- [VGM for HMM users](#) on Rolling Banner of HMM Portal.

- [VGM for customers](#) on Rolling Banner of HMM Webpage.

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* SOLAS: the international convention for the **Safety Of Life At Sea**

* VGM: **Verified Gross Mass**
II. Outline for HMM VGM

HMM comply with “No VGM No Load” regulation by IMO

✓ Here is the brief explanation for HMM VGM.

✓ HMM VGM has been proceeded by two tracks, one of which is INPUT for shipper and another is OUTPUT for Terminal and others.

✓ For INPUT by Shipper, system environment composed of WEB and GAUS has been set and ready to go now.

✓ There will need to be via Webpage, EDI and email/fax in order for shippers to submit VGM to HMM.

✓ Next two pages contains all shippers such needs on a case by case basis.

✓ Following pages after the next pages demonstrate the methods available and internal processes for Shippers to transmit or tender the required VGM information to HMM.
III. HMM VGM Process (Overall)

**Phase I**
- Booking Notice
- VGM Cut off
- Webpage
- EDI via Shipping Portals
- Direct EDI
- eMail, Fax and Manual
- BKG#, CNTR#, VGM, Signature, Name

**Phase II**
- VERMAS
- BKG#, CNTR#, VGM, Signature, Name
- VERMAS
- COPRAR
- COPARN
- BAPLIE
- BKG#, CNTR#, VGM
III. HMM VGM Process (Detailed)

Shipper must submit VGM to HMM

Case 1 (WEB)
- Shipper
- Web Page
- HMM

Case 2 (EDI Vendor)
- Shipper
- Vendor
- HMM

Case 3 (Direct EDI)
- Shipper
- HMM DB
- HMM

Case 4 (eMail, Fax, Manual)
- Shipper
- Doc.Staff
- HMM

- Case 1 and 3 are our preferable option
- Case 4 is the least favourable option
- Case 5 and 6 are the option we can’t help choosing
III. HMM VGM Process (Detailed)

Case 5 (Terminal)

Terminal → Shipper → HMM

Case 6 (Governmental Agency)

Shipper → Port Authority

Case 7 (Governmental Agency)

Shipper → Port Authority → Terminal → HMM

- Case 1 and 3 are our preferable option
- Case 4 is least favourable option
- Case 5 and 6 are the option we can’t help choosing

Shipper must submit VGM to HMM
### IV. Webpage for VGM (CASE 1)

<table>
<thead>
<tr>
<th>#</th>
<th>VGM on Webpage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Shipper can submit VGM to HMM through webpage.</td>
</tr>
</tbody>
</table>

**Notice!**

Shipper can access to [www.hmm21.com](http://www.hmm21.com) for VGM Entry and VGM Entry without Login, which are located under their Booking Menu.
IV. Webpage for VGM (CASE 1)

Shipper can submit VGM to HMM through webpage.

① 'VGM Entry' is located under Booking menu whichever country you belong to.
IV. Webpage for VGM (CASE 1)

Shipper can submit VGM with Booking Number or Booking Search to HMM.

1. VGM Entry on Webpage

   Shipper can submit VGM with Booking Number or Booking Search to HMM.

   **VGM Entry**

   - **VGM by Booking Number**
     - Booking Number

   - **Booking Search for VGM**
     - Input Date
     - Input Date works on a weekly basis.
     - Input Date works on a daily basis.
     - Button to go next booking list screen.

   - **Create/Update VGM**

   - **Go**

   - Button to input or update VGM by booking number.
   - Button to print current VGM screen.
   - Input Date or VVD can be selected to search Booking list to input VGM.

   - Input Date works on a weekly basis.
   - Input Date works on a daily basis.
   - Button to go next booking list screen.
IV. Webpage for VGM (CASE 1)

Notice!

We, HMM have two kinds of VGM Entries (WEB SCREENS).
First is that shipper have to provide tare weight to complete VGM
Second is that carrier can automatically provide tare weight to complete VGM

Each nation can choose one of them for its local shipper.
Default setting is except for Europe ‘Second’.
But you can change as requesting to H/Q Global CS team according to your situation.
### IV. Webpage for VGM (CASE 1)

#### 2. VGM by Booking Number

VGM input or update screen showing details, which are container number, vgm, unit, authorized signature and etc.

<table>
<thead>
<tr>
<th>No.</th>
<th>Container Number</th>
<th>Verified Gross Mass / Unit</th>
<th>Authorized Signature (All)</th>
<th>VGM Weighing Date</th>
<th>Optional</th>
<th>Responsible Party(Shipper)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DRYU4198664</td>
<td>KGS</td>
<td></td>
<td></td>
<td>Input</td>
<td>TCI INTERNATIONAL LOGISTICS GMBH</td>
</tr>
<tr>
<td></td>
<td>Tare Check</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>DRYU4222035</td>
<td></td>
<td></td>
<td></td>
<td>Input</td>
<td>TCI INTERNATIONAL LOGISTICS GMBH</td>
</tr>
<tr>
<td></td>
<td>Tare Check</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>HDML4667138</td>
<td></td>
<td></td>
<td></td>
<td>Input</td>
<td>TCI INTERNATIONAL LOGISTICS GMBH</td>
</tr>
<tr>
<td></td>
<td>Tare Check</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Container number that will be automatically populated from Booking, if any.
2. Verified Gross Mass for VGM that will show the definition of itself when it's clicked.
3. Unit has KGS as a default value.
4. Initials or name in capitals for shipper.
5. The date when VGM’s calibrated should be indicated.
6. Shipper’s full name that will be automatically populated from Booking, if any, which can also be overwritten.

*Text in red bold type has a pop-up window explaining itself in detail.*

To upload bulk VGM Shown by next page.

**Notice**

By clicking SAVE & SUBMIT, responsible party is verifying that VGM being supplied was completed using IMO/SOLAS methods 1 or 2.

Close  Confirm
IV. Webpage for VGM (CASE 1)

VGM Entry

Booking No.: WASE375371

- Shipper: HYUNDAI LOGISTICS (USA), INC.
- Vessel: HYUNDAI FORCE V# 050W
- Port of Loading: SEATTLE, WA
- Port of Discharging: BUSAN, KOREA
- Place of Delivery: BUSAN, KOREA
- Container Type & QTY: 20 DC x 2

*Text in red bold type has a pop-up window explaining itself in detail.

- Container number that will be automatically populated from Booking, if any.
- Cargo Gross Weight except for Tare weight
- Tare weight HMM provide
- Verified Gross Mass for VGM that will show the definition of itself when it’s clicked.
- Initials or name in capitals for shipper.
- Shipper’s full name that will be automatically populated from Booking, if any.

To upload bulk VGM
Shown by next page.
IV. Webpage for VGM (CASE 1)

⑦ Checking ‘Auto Calculation for Tare Weight’ means that Tare Weight will be automatically added into Cargo Gross Weight shipper entered, when they press the button, ‘Save & Submit’.

⑧ Unchecking ‘Auto Calculation for Tare Weight’ means that shipper should enter ‘Verified Gross Mass’

⑨ ‘All’ is the function providing automated copy from 1st row to others.
### IV. Webpage for VGM (CASE 1)

#### VGM by Booking Number

VGM input or update screen showing details, which are container number, vgm, unit, authorized signature and etc.,

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**1. HMM VGM Input Result**

- **Booking No.**: KANK630717
- **Shipper**: PANTOS LOGISTICS CO., LTD.
- **Vessel**: HYUNDAI SINGAPORE V# 078W
- **Port of Loading**: GWANGYANG, KOREA
- **Port of Discharging**: NAVA SHEVA, INDIA
- **Place of Delivery**: NAVA SHEVA, INDIA
- **Container Type & QTY**: 20 DC # 1

<table>
<thead>
<tr>
<th>No.</th>
<th>Container Number</th>
<th>Verified Gross Mass / Unit</th>
<th>Authorized Signature</th>
<th>VGM Weighing Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HDMU1234567</td>
<td>20,000.00 KGS</td>
<td>HGIC</td>
<td></td>
</tr>
</tbody>
</table>

### ① ‘HMM VGM Input Results’ will be sent to the email address any persons who delegated by shipper entered.
IV. Webpage for VGM (CASE 1)

Bulk VGM Upload

Shipper can use the function in order to upload multiple VGM at one go.

1. To download excel template to fill out bulk VGM.
2. To find out VGM bulk file to upload.
### IV. Webpage for VGM (CASE 1)

#### VGM Template for bulk upload.

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>#</td>
<td>Container No.</td>
<td>Cargo Gross Weight</td>
<td>Verified Gross Mass</td>
<td>Approval Signature</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

1. Container number for VGM as mandatory.
2. Cargo Gross Weight except for Tare weight, which can be supplemented by ‘Auto calculation for Tare weight’
3. Verified Gross Mass including Tare weight.
4. Initials or name in capitals for shipper as mandatory.
5. Shipper’s full name as mandatory.
IV. Webpage for VGM (CASE 1)

VGM Template for bulk upload.

1. ‘Data Check’ is to finish ‘upload process’ finally.
2. ‘O.K.’ will work unless there are any errors on the info.
IV. Webpage for VGM (CASE 1)

VGM Details as Optional

- Shipper can input additional VGM information as optional (for reference), or mandatory (only in cases if your origin nation’s governing law requires you to do so).

![Image of webpage]

- **Weighing Method** that will show the definition of itself when it’s clicked.
- **Weighing company name**
- **Weighing location**
- **Weighing date**
- **Certification number**
- **Weighing company address**
- **Weighing company email address**
- **Weighing company phone number**
- **Physical sender name for VGM**
- **Physical sender email address**
- **Physical sender phone number**

Button to save the information

Button to close the window
Tare weight is supplied for Shipper to use under the Method 2 calculation for creating the VGM weight.

Button To popup Tare weight

Tare Weight : 3,730 KG

Disclaimer

Tare weight for SOC may not be displayed.
IV. Webpage for VGM (CASE 1)

Shipper can search Booking list in order for them to input VGM.

① ‘Input VGM’ is for entering new VGM and ‘Update VGM’ can be shown to update existing VGM.
② Booking information with VGM existing (Y/N).
③ Booking Input/Update Date
④ Vessel, Voyage and bound belonging to the booking.
⑤ Estimate Departure Date
⑥ POR belonging to the bookings.
⑦ POL belonging to the bookings.
⑧ PVY belonging to the bookings.
# IV. Webpage for VGM (CASE 1)

VGM input or update screen showing details, which are container number, vgm, unit, authorized signature and etc.,

## VGM Entry

**Booking No.**: WASE375371

<table>
<thead>
<tr>
<th>Component</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Shipper</strong></td>
<td>HYUNDAI LOGISTICS (USA), INC.</td>
</tr>
<tr>
<td><strong>Vessel</strong></td>
<td>HYUNDAI FORCE V# 050W</td>
</tr>
<tr>
<td><strong>Port of Loading</strong></td>
<td>SEATTLE, WA</td>
</tr>
<tr>
<td><strong>Port of Discharging</strong></td>
<td>BUSAN, KOREA</td>
</tr>
<tr>
<td><strong>Place of Delivery</strong></td>
<td>BUSAN, KOREA</td>
</tr>
<tr>
<td><strong>Container Type &amp; QTY</strong></td>
<td>20 DC * 2</td>
</tr>
</tbody>
</table>

* Text in red bold type has a pop-up window explaining itself in detail.

- **Auto-Calculation for Tare Weight**: ✔

<table>
<thead>
<tr>
<th>Container Number</th>
<th>Cargo Gross Weight</th>
<th>Container Tare Weight</th>
<th>Verified Gross Mass / Unit</th>
<th>Authorized Signature (All)</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSTU2373187</td>
<td>5000 KGS</td>
<td>2185</td>
<td>24555 KGS</td>
<td></td>
<td>Input</td>
</tr>
<tr>
<td>Tare Weight</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tare Weight</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Responsible Party (Shipper)</td>
<td>HYUNDAI LOGISTICS (USA), INC.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HDMU2631310</td>
<td>343443 KGS</td>
<td>2180</td>
<td>53422 KGS</td>
<td></td>
<td>Input</td>
</tr>
<tr>
<td>Tare Weight</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Responsible Party (Shipper)</td>
<td>HYUNDAI LOGISTICS (USA), INC.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Add on Auto Calculation for Tare weight**

1. Container number that will be automatically populated from Booking, if any.
2. Cargo Gross Weight except for Tare weight.
3. Tare weight HMM provide.
4. Verified Gross Mass for VGM that will show the definition of itself when it's clicked.
5. Initials or name in capitals for shipper.
6. Shipper’s full name that will be automatically populated from Booking, if any.

To upload bulk VGM shown by next page.

Excel Upload

[Save & Submit]
IV. Webpage for VGM (CASE 1)

Shipper can submit VGM to HMM through webpage without login process, which is applied to Europe first as trial version.

1. Trucker and warehouse man and any persons who were delegated from shipper can use the function ‘VGM without Login’ to enter VGM with Booking # and PIN # described on regional Booking Notice.
IV. Webpage for VGM (CASE 1)

VGM Input without Login

Shipper can submit VGM with Booking Number to HMM.

1. For VGM input or update by using booking number that determines container list to be filled.
2. Button to input or update VGM by booking number.
3. PIN# displayed on Booking Notice should be entered. Therefore if you want your shipper to use ‘VGM Entry without Login’, your local Booking Note should have PIN Number. To do so, please contact your local IT and have them put PIN# on Booking Note.
4. Any persons delegated by shipper can overwrite email address they want to receive to. As default value is email address from the Booking.
IV. Webpage for VGM (CASE 1)

| 9 | VGM Input without Login | Shipper can proceed with valid PIN# that indicated on Booking Note. |

1. PIN Number is invalid for the Booking !!

   ![Error Message]

   It won’t be shown until 1 August for the preparation on booking Notice.

1. If PIN# entered is invalid, the popup will come up.
IV. Webpage for VGM (CASE 1)

1. If PIN# entered is equal to the number from the Booking, VGM Entry will come up.

2. After entering the button, ‘HMM VGM Input Results’, the next page, will be sent to the email address they entered on previous screen.
Shipper can receive the report once they submit VGM via ‘VGM Input without Login’

HMM VGM Input Results

- Booking No.: KANK630717
- Shipper: PANTOS LOGISTICS CO., LTD.
- Vessel: HYUNDAI SINGAPORE V# 078W
- Port of Loading: GWANGYANG, KOREA
- Port of Discharging: NHAVA SHEVA, INDIA
- Place of Delivery: NHAVA SHEVA, INDIA
- Container Type & QTY: 20 DC # 1

<table>
<thead>
<tr>
<th>No.</th>
<th>Container Number</th>
<th>Verified Gross Mass / Unit</th>
<th>Authorized Signature</th>
<th>VGM Weighing Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HDMU1234567</td>
<td>20,000.00 KGS</td>
<td>HGIG</td>
<td></td>
</tr>
</tbody>
</table>

1. ‘HMM VGM Input Results’ will be sent to the email address any persons who delegated by shipper entered.
IV. Webpage for VGM (CASE 1)

Shipper can choose their VGM ways about whether it is inside of terminal or not.

1. Shipper should choose ‘Inside Terminal’ and ‘HMM’, in case they weigh their container inside terminal and the terminal charge the fee to carrier on shipper’s behalf. Otherwise HMM may loose chance to recover the fee from the terminal.
### IV. Webpage for VGM (CASE 1)

<table>
<thead>
<tr>
<th>Tare Weight Look Up</th>
<th>Shipper can inquire Container tare weight from HMM.</th>
</tr>
</thead>
</table>

#### Tare Weight Look Up

1. **Container Number**
   - HDMU2678236

**Tare Weight:** 2,180 KG

*Disclaimer*

According to SOLAS regulations, the responsibility for obtaining and documenting the verified gross mass of a packed container lies with the shipper.

1. Shipper can inquire tare weight information under the menu of Information or Company Information according to local site through HMM Webpage