

HYUNDAI MERCHANT MARINE Co. Ltd.

SOLAS/VGM Manual for HMM Customer

Global CS Team

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I. Outline for SOLAS/VGM

1 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
2	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.
Enforcement	Method 2: the shipper may weigh or have a third party weigh each package stuffed in the container
(Scope/	including the packing and securing material and adding those weights to the container's
Substance)	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

3 For more information	 Container Weighing Country Implementation: <u>http://www.worldshipping.org/industry-issues/safety/global-container-weight-verification-rule-effective-july-1-2016</u> Guidelines regarding the verified gross mass of a container carrying cargo: <u>www.worldshipping.org/industry-issues/safety/cargo-weight</u> Guidelines for improving safety and implementing the SOLAS container weight verification requirements: <u>www.worldshipping.org/industry-issues/safety/cargo-weight</u> The IMO/ILO/UNECE Code of Practice for Packing of Cargo Transport Units (CTU) and CTU Code informative materials can be found at: <u>www.worldshipping.org/industry-issues/safety/cargo/industry-issues/safety/containers</u> SMDG, including the Implementation Guidelines: <u>www.smdg.org</u>
	 VGM for HMM users on Rolling Banner of HMM Portal. VGM for customers on Rolling Banner of HMM Webpage.

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

* VGM : Verified Gross Mass



- \checkmark 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)



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III. HMM VGM Process (Detailed)

Shipper must submit VGM to HMM



III. HMM VGM Process (Detailed)

Shipper must submit VGM to HMM



0 VGM on Webpage Shipper can submit VGM to HMM through webpage.

Notice!

Shipper can access to <u>www.hmm21.com</u> for VGM Entry and VGM Entry without Login ,which are located under their Booking Menu.



IV. Webpage

0 VGM on Webpage	s	hipper can submit	VGM to HMM	through webpag	e.
N. AMERI Track & Trace Booking Inquiry Print My Confirm	Schedules Booking y Booking Request Inp		Information	GO Latest tracking	 'VGM Entry' is located under Booking menu whichever country you belong to.
- Booking Booking Inquiry Booking Request Input Booking Process & Status (Update) Booking Template Print My Confirmation Status Quick Check Tooke Quick Check VGM Entry	 > VGM by Booking Number · Booking Number > Booking Search for VGM Input Date 	Create/Update VGM		Weekly	
oTrack & Trace oSchedule My Shipment Sailing Sch Track & Trace Vessel Sch Track & Trace by S/C Port Sched Tracking History My Schedu eMail Tracking Europe Sch RF CNTR Temperature Monitoring Service Service	hedule Booking Inqui redule Booking Inqui dule Booking Proce ule (Update)	View HMM Tariff	oBill of Lading [•] B/L View [•] B/L instruction [•] B/L Process & Status [•] House B/L [•] B/L Print [•] B/L Clause	OInformation News & Notice Office & Contact Service Profile Vessel Fleets Terminal Information Equipment Refrigerated Cargo Over-Sized Cargo Dangerous Cargo	
					HMM

1	VGM Entry on Webpage	ookin	g Search to HMM.	
١	/GM Entry	3	1	For VGM input or update by using booking number that determines container list to be filled.
>	VGM by Booking Number		2	Button to input or update VGM by booking number.
	Booking Number	3	Button to print current VGM screen.	
>	Booking Search for VGM Input Date Input Date Input Date		Input Date or VVD can be selected to search Booking list to input VGM.	
(4	Go (6) (5) 7)	5	Input Date works on a weekly basis.
			6	Input Date works on a daily basis.
			7	Button to go next booking list screen.
				HMM

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



2 VGM by Booking Number	VGM input or updat authorized signatur	e screen showing details, which a re and etc.,	are co	ontainer number, vgm, unit,
Booking No. : MUCE214651	the function providing automate	d copy from 1 st row to others.	1	Container number that will be automatically populated from Booking, if any.
Vessel:LUDWIGSHAPort of Loading:ANTWERP, BPort of Discharging:JEDDAH, SAUPlace of Delivery:JEDDAH, SAUContainer Type & QTY:40 DC * 3	IDI ARABIA	To upload bulk VGM Shown by next page.	2	Verified Gross Mass for VGM that will show the definition of itself when it's clicked.
* Text in red bold type has a pop-up wind	(3) (4)	Excel Upload	3	Unit has KGS as a default value.
DRYU4198664 6	Gross Mass / Unit Authorized & (All)	VGM Weighing Date Optional	4	Initials or name in capitals for shipper.
Tare Check Responsible DRYU4222035	Party(Shipper) TCI INTERNATIONAL L KGS ✓	Input	5	The date when VGM's calibrated should be indicated.
3 HDMU4667138	KGS Image: Constraint of the second	Input	6	Shipper's full name that will be automatically populated
By clicking S	Notice SAVE & SUBMIT, responsible party is verifying	g that		from Booking, if any. , which can also be overwritten.
VGM being supp	lied was completed using IMO/SOLAS metho close Confirm	ds1 or 2.		
		13		HYUNDAI MERCHANT MARINE Co.,I

→ Added on Auto Calculation for Tare weight

2	VGM by Bo	ooking Num	ber		ut or updat ed signatur		-	g detail	s, which	are co	ontainer number, vgm, unit,
Boo Shi Ves Por Pla Cor * T	GM Entr oking No. : WASE ipper ssel rt of Loading rt of Discharging rce of Delivery ntainer Type & Q ext in red bold ty Auto Calculation	375371 [] : HYUNE : HYUNE : SEATT : BUSAN : BUSAN : BUSAN TY : 20 DC ype has a pop-up n for Tare Weight Cargo Gross	DAI FORCE V LE, WA J, KOREA J, KOREA * 2 p window ex t 2 Weight	be automatically pop from Booking, if any (2) Cargo Gross Weight for Tare weight (3) (4) (5) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2		A), INC. V To upload bulk VGM Shown by next page. (2) Cargo Gro for Tare w (3) Tare weig (4) Verified Gross Mass / Unit Authorized Optional	Tare weight HMM provide Verified Gross Mass for VGM that will show the definition of itself when it's				
_	SIU2373187 Tare Weight	(cargo+dur 5000 Responsible Pa	KGS 🗸	Weight 2185) HYUNDAI LOG	24555	KGS 🗸	Signatui	re (All)	Input	5	Initials or name in capitals for shipper.
Η	DMU2631310 Tare Weight	343443 Responsible Pa	KGS V	2180) HYUNDAI LOG	53422 SISTICS (USA),	KGS V			Input	6	Shipper's full name that will be automatically populated from Booking, if any.
								Save & S	Submit		HMM#

→ Added on Auto Calculation for Tare weight

VGM by Booking Number

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

VGM Entry

2

VOM LINUY										
Booking No. : WASE37537	71[]	Auto Calculation for Tare Weight								
Shipper :	HYU	Tare Weight except SOC will be automatically added into VGM you entered,								
Vessel :	HYU	when you	press the button,	"Save & Submit".						
Port of Loading : Port of Discharging : Place of Delivery :	BUS			Close		-				
Container Type & QTY :	Container Type & QTY : 20 D - 2									
* Text in red bold type ha	s a pop-u	n window ex	xplaining itself in	detail.						
Auto Calculation for T					Excel	Upload				
					(9					
Container Number	argo Gross (cargo+dur	-	Container Tare Weight	Verified Gross Mass / Unit (cargo+dunnage+tare)	Authorized Signature (All)	Optiona				
BSIU2373187 2105	50	KGS 🗸	2185	KGS 🗸	КҮН	Input				
Tare Weight Resp	onsible Pa	arty(Shippe	r) HYUNDAI LOG	ISTICS (USA), INC.						
HDMU2631310 2103	30	KGS 🗸	2180	KGS 🗸	KYH ×	Input				
Tare Weight Resp	onsible Pa	arty(Shippe	r) HYUNDAI LOG	ISTICS (USA), INC.						
			Notice		Save & S	Submit				
					K					
			IT, responsible party pleted using IMO/S0							
y vgi	n being sup		pieted using IMO/SC	LAS MECHOUST OF Z.						
-										

- 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.



→ Added on Auto Calculation for Tare weight

2	VGM by Bookir	ng N	Number	VGM input or update screen showing details, which authorized signature and etc.,	are conta	ainer number, vgm, unit,
	HMM HMM VGM In			rine CO.,LTD.		HMM VGM Input Results' will be sent to the email address any persons who delegated by shipper entered.
	Booking No.	:	KANK630717			
	Shipper	:	PANTOS LOGISTICS	S CO., LTD.		
	Vessel	:	HYUNDAI SINGAPO	RE V# 078W		
	Port of Loading	:	GWANGYANG, KOR	EA		
	Port of Discharging	:	NHAVA SHEVA, IND	IA		
	Place of Delivery	:	NHAVA SHEVA, IND	IA		
	Container Type & QT	(: -	20 DC * 1			

No.	Container Number	Verified Gross Mass / Unit	Authorized Signature	VGM Weighing Date				
	HDMU1234567	20,000.00 KGS	HGJG					
1	Responsible Party(Shipper) : HJHGK							

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IV. Webpage



4	Bulk VGM	Template (St	ep 1)	VGM Template	for bulk upload.	
A	B	С	D	E	F	 Container number for VGM as mandatory.
# 1 2 3 4 5 6 6 7 7 8 9 9 10 11 12 13 14 15 16 17 17		Cargo Gross Weight	Verified Gross Mas	s Approval Signature	Responsible Party(Shipper)	 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.
18 19 20	Download Exc	el Template	 Please download Input containe Upload the sav 	ad Excel Template to your r information and save th ed excel file from (2) by	e excel file in your PC. using 'Search' button and 'Upload' button.	

IV. Webpage

Bulk VGM Template (Step 2) VGM Template for bulk upload.	
http://test.htmm21.com/?Nation=eng&BookingNo=WASE375371 - HMM Customer Plus - Internet Explorer Download Excel Template (1) Please download Excel Template to your PC and save. (3) Upload the saved excel file in your PC. (3) Upload the saved excel file in your Search' button and 'Upload' button. File (1) Diata Check (2) Diata Check (2) OK	 I) 'Data Check' is to finish 'upload process' finally. I) 'O.K' will work unless there are any errors on the info.



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IV. Webpage

6 Container Tare Weight	Tare weight is supplied for Shipper to use under the for creating the VGM weight.	Method 2 calculation
VGM Entry Booking No. : WASE375371 [] Shipper : HYUNDAI LOGISTICS Vessel : HYUNDAI FORCE V# Port of Loading : SEATTLE, WA Port of Discharging : BUSAN, KOREA Place of Delivery : BUSAN, KOREA Container Type & QTY : 20 DC * 2 * Text in red bold type has a pop-up window expl ✓ Auto Calculation for Tare Weight Contain Number (cargo+dunnage) BSIU2 3187 Tare Weight	for creating the VGM weight.	(1) Tare weight and disclamier
	t be displayed .	HMMF
	21	HYUNDAI MERCHANT MARINE Co.,Ltd.





VGM by Booking Number

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ASE 1) Added on Auto Calculation for Tare weight VGM input or update screen showing details, which are container number, vgm, unit,

VGM Entr	γ						
Booking No. : WAS	E375371 []						
Shipper Vessel Port of Loading Port of Discharging Place of Delivery Container Type & Q	: HYUNDA : SEATTLE, : BUSAN, K : BUSAN, K	OREA OREA				upload bulk VGM own by next page	
* Text in red bold t Auto Calculatio	ype has a pop-up v n for Tare Weight Cargo Gross W (cargo+dunna	2 eight Co	ining itself in 3 Intainer Tare Weight	detail. 4 Verified Gross (cargo+dunn		5 Excel Authorized Signature (All)	Upload Optional
BSIU2373187		(GS 🗸 21		24555	KGS V		Input
Tare Weight	Responsible Part	y(Shipper) H	IYUNDAI LOG	ISTICS (USA), I	INC.		
HDMU2631310	343443	(GS 💙 21	80	53422	KGS 🗸		Input
Tare Weight	Responsible Part	y(Shipper) H	IYUNDAI LOG	ISTICS (USA), I	INC.		
	•						Submit

authorized signature and etc.,

- Container number that will be automatically populated from Booking, if any.
- Cargo Gross Weight except for Tare weight
- ③ 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.



9	VGM Input without Login	Shipper can submit VGM to HMM through webpage is applied to Europe first as trial version.	e without login process, which
	rack & Trace Schedules Booking Booking Inquiry Booking Request Inp Print My Confirmation VGM Entry	Bill of Lading Company Information ut Booking Process & Status (Update) Booking Template VGM without Login	Trucker and warehouse man and any persons who was delegated from shipper can use the funcion,'VGM without Login' to enter VGM with Booking # and PIN # described on regional Booking Notice.
			HMM≠



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IV. Webpage



→ Added on Auto Calculation for Tare weight

9	VGM Input without Login	VGM input or update screen showing details, which a approval signature, approval date and etc.,	are container number, vgm, unit,
Boo Shij Vess Por Pla Cor * Te	t of Loading : NHAVA SHEVA, INDI t of Discharging : SHANGHAI,CHINA ce of Delivery : SHANGHAI,CHINA tainer Type & QTY : 4H DC * 1 ext in red bold type has a pop-up window expl Auto Calculation for Tare Weight	A aining itself in detail. Excel Upload Container Tare Verified Gross Mass / Unit Authorized Weight (cargo+dunnage+tare) Signature (All) Optional KGS V Input	 If PIN# entered is equal to the number from the Booking, VGM Entry will come up. After entering the button, 'HMM VGM Input Results', the next page, will be sent to the email address they entered on previous screen.
			HMM





10	VGM Selection on Booking	Shipper can choose their VGM ways about whether i	t is inside of terminal or not.
Booking Request Input			 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 habelf. Otherwise, UMM, many
	VGM Location Outside Terminal Inside Terminal	VGM Terminal Inv.to HMM Shipper	behalf. Otherwise HMM may loose chance to recover the fee from the terminal.
			HMM

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11 T	āre Weight Look Up	Shipper can inquire Container tare weight from HMM	I.
(1) · Conta Tare <i>Discla</i> Accord The res	e Weight Look Up ainer Number HDMU2678236 Weight : 2,180 KG aimer ling to SOLAS regulations, sponsibility for obtaining and documenti mass of a packed container lies with the		 Shipper can inquire tare weight information under the menu of Informaion or Company Information according to local site through HMM Webpage

End of Document

