

HYUNDAI MERCHANT MARINE Co. Ltd.

SOLAS/VGM Manual for HMM Customer

Global CS Team

2016. 6. 24





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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	 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 cafety and implementing the SOLAS container weight verification requirements:
For more information	 Guidelines for improving safety and implementing the SOLAS container weight verification requirements: 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
	 SMDG, including the Implementation Guidelines: www.smdg.org 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	CA Schedules Booking y Booking Request Inp mation VGM Entry	Tracking / Keyword Search Bill of Lading Company ut Booking Process & Statu VGM without Login	B/L, BK, Cntr no, Keyword Information Information Booking	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	~ 4/22/2016 () Daily ()	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	es OBooking hedule Booking Inqui hedule Booking Proce dule Update) hedule VGM Entry	SiteMap - PY SS & Status One of the second	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	Shipper can submit VGM with Booking Number or Bo	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≠

2	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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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.



E

2 VGM by Booking Number	VGM input or update authorized signature	screen showing detail and etc.,	ls, which are co	ontainer number, vgm, unit,
VGM Entry Booking No. : MUCE214651	nction providing automated	copy from 1 st row to othe	rs.	Container number that will be automatically populated from Booking, if any.
Shipper:TCI INTERNATIONALVessel:LUDWIGSHAFEN EXEPort of Loading:ANTWERP, BELGIUMPort of Discharging:JEDDAH, SAUDI ARAPlace of Delivery:JEDDAH, SAUDI ARAContainer Type & QTY:40 DC * 3	L LOGISTICS GMBH PRESS V# 009E I IBIA IBIA	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 window exp	laining itself in detail.	Excel	(3) Upload	Unit has KGS as a default value.
No. Container Number Verified Gross	Mass / Unit Authorized Sign (All)	VGM Weighing Date	Optional ④ Input	Initials or name in capitals for shipper.
1 Tare Check Responsible Party(S 2 DRYU4222035	hipper) TCI INTERNATIONAL LOG	GISTICS GMBH	S Input	The date when VGM's calibrated should be indicated.
3 HDMU4667138 Responsible Party(S	KGS ✓ hipper) TCI INTERNATIONAL LO	GISTICS GMBH	Input (6)	Shipper's full name that will be automatically populated from Booking, if any, which
By clicking SAVE & S	Notice UBMIT, responsible party is verifying t	save & S	ubmit	can also be overwritten.
VGM being supplied was	completed using IMO/SOLAS methods close Confirm	s1 or 2.		

→ Added on Auto Calculation for Tare weight

2	VGM by B	ooking Num	nber	VGM inp authoriz	ut or upda ed signatu	te screen s re and etc.	howing ,	g detail	s, which	are co	ontainer number, vgm, unit,
Boo Shi Ves Por Por Pla	GM Entr oking No. : WASE ipper ssel rt of Loading rt of Discharging ice of Delivery	Y 375371 [] : HYUN : HYUN : SEATT : BUSA : BUSA	IDAI LOGISTI IDAI FORCE V TLE, WA N, KOREA N, KOREA	CS (USA), INC. # 050W		To Sh	upload b own by n	ulk VGM ext page.		1 2 3	Container number that will be automatically populated from Booking, if any. Cargo Gross Weight except for Tare weight Tare weight HMM provide
* T	ext in red bold to Auto Calculatio 1 ontainer Number SIU2373187	ppe has a pop-u n for Tare Weig Cargo Gros (cargo+du	s Weight (KGS V	Container Tare Weight	Verified Gros (cargo+dun 24555	<mark>s Mass</mark> / Unit nage+tare) KGS ✔	5 Autho Signatu	Excel prized prized prized	Upload Optional Input	4	Verified Gross Mass for VGM that will show the definition of itself when it's clicked. Initials or name in capitals for shipper.
H	DMU2631310 Tare Weight	Responsible F 343443 Responsible F	Party(Shipper) HYUNDAI LOG 2180) HYUNDAI LOG	ISTICS (USA), 53422 ISTICS (USA),	INC.		Save & S	Input	6	Shipper's full name that will be automatically populated from Booking, if any.
											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

VONLINUY										
Booking No. : WASE37	5371 []	Auto Calculation for Tare Weight								
Shipper	: НУU	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 : BUS			Close						
Container Type & QTY	Container Type & QTY : 20 D									
* Text in red bold type	has a pop-u	n window e	xplaining itself in	detail.						
Auto Calculation fo	r Tare Weig	ht			Excel	Upload				
					(9					
Container Number	Cargo Gross (cargo+du	s Weight nnage)	Container Tare Weight	Verified Gross Mass / Unit (cargo+dunnage+tare)	Authorized Signature (All)	Optiona				
BSIU2373187 2	1050	KGS 🗸	2185	KGS 🗸	КҮН	Input				
Tare Weight	esponsible P	Party(Shipper) HYUNDAI LOGISTICS (USA), INC.								
HDMU2631310 2:	1030	KGS 🗸	2180	KGS 🗸	KYH ×	Input				
Tare Weight	esponsible P	arty(Shippe	r) HYUNDAI LOG	ISTICS (USA), INC.						
			Notice		Save & S	Submit				
					K					
	By clicking	SAVE & SUBM	IT, responsible party	is verifying that						
2	ven being sup	rlı معنوب	ose Confirm	LAS methods1 of 2.						
4										

- 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 Booking Number			VGM input or update screen showing details, which a authorized signature and etc.,	are con	tainer number, vgm, unit,
HMM	Hy Hy	1) undai Merchant Ma I t Result	arine CO.,LTD.	1	'HMM VGM Input Results' will be sent to the email address any persons who delegated by shipper entered.
Booking No.		KANK630717			
Shipper	:	PANTOS LOGISTIC	S CO., LTD.		
Vessel	:	HYUNDAI SINGAPO	RE V# 078W		
Port of Loading	:	GWANGYANG, KOR	EA		
Port of Discharging	:	NHAVA SHEVA, IND	AI		
Place of Delivery	:	NHAVA SHEVA, IND	AIA		
Container Type & QT	Y :	20 DC * 1			
	VGM by Bookin VGM by Bookin MMM VGM Ir Booking No. Shipper Vessel Port of Loading Port of Discharging Place of Delivery Container Type & QT	VGM by Booking	VGM by Booking Number	VGM by Booking Number VGM input or update screen showing details, which a authorized signature and etc., VEXTOR INPUT Result Hyundai Merchant Marine CO., LTD. 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	VGM by Booking Number VGM input or update screen showing details, which are con authorized signature and etc., Image: Contract of the state of the

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

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IV. Webpage



4	Bulk VGM	Template (St	for bulk upload.			
A	B	С	D	E	F	 Container number for VGM as mandatory.
# 1 2 3 4 5	Container No.	Cargo Gross Weight	Verified Gross Mass	Approval Signature	Responsible Party(Shipper)	② Cargo Gross Weight except for Tare weight, which can be supplemented by 'Auto calculation for Tare weight'
6 7 8 9 10			3		5	 ③ Verified Gross Mass including Tare weight.
11 12 13		0		4		 ④ Initials or name in capitals for shipper as mandatory.
14 15 16 17 18 19						Shipper's full name as mandatory.
	http://test.hmm21.	com/?Nation=eng - F	HMM Customer Plus	s - Internet Explorer		
	Download Ex	cel Template	 Please downloa Input container Upload the save 	d Excel Template to you r information and save th ed excel file from (2) by	r PC and save. ne excel file in your PC. using 'Search' button and 'Upload' button.	
	File C:\Us	ers\hmm4685.HYU	INDAI\Desktop\임	찾아보기 Uploa	ad and a second s	
					To upload excel date	HMM

IV. Webpage

http://test.hmm21.com/?Nation=eng&BookingNo=WASE375371 - HMM Customer Plus - Internet Explorer Image: Container of the state of	
Data Check OK 2	 'Data Check' is to finish 'upload process' finally. '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
Boo Shi Ves Por Pla Cor R Cor B B H	GM Entry wing No. : WASE375371 [] pper : HYUNDAI LOGISTIC ssel : HYUNDAI FORCE V# t of Loading : SEATTLE, WA t of Discharging : BUSAN, KOREA ce of Delivery : BUSAN, KOREA thainer Type & QTY : 20 DC * 2 ext in red bold type has a pop-up window exp Auto Calculation for Tare Weight Disclainaging SU22 3187 Tare Weight DMU2631310 Tare Weight Disclainmer Disclainmer Tare weight	S (USA), INC. O50W laining itself in detail. Excel Upload Container Tare Verified Gross Mass / Unit Authorized Optional (cargo+dunnage+tare) Signature (AII) Optional 23235.00 KGS KYH Input D185 1 Weight : 3,730 KG Input bave & Submit Close	 Tare weight and disclamier





VGM by Booking Number

8

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

VGM Entry Booking No. : WASE375371 [] Shipper HYUNDAI LOGISTICS (USA), INC. Vessel **HYUNDAI FORCE V# 050W** : To upload bulk VGM Port of Loading SEATTLE, WA : Port of Discharging **BUSAN, KOREA** ÷ . Shown by next page. Place of Delivery **BUSAN, KOREA** : Container Type & QTY : 20 DC * 2 * Text in red bold type has a pop-up window explaining itself in detail. Excel Upload Auto-Calculation for Tare Weight 3 4 5 Cargo Gross Weight Container Tare Verified Gross Mass / Unit Authorized Container Number Optional (cargo+dunnage) Weight (cargo+dunnage+tare) Signature (All) 5000 KGS 🗸 2185 24555 KGS 🗸 BSIU2373187 Input Tare Weight Responsible Party(Shipper) HYUNDAI LOGISTICS (USA), INC. KGS 🗸 343443 KGS 🗸 2180 53422 Input HDMU2631310 Tare Weight Responsible Party(Shipper) HYUNDAI LOGISTICS (USA), INC. Save & 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 webpag is applied to Europe first as trial version.	e without login process, which
	Track & Trace Schedules Booking Booking Inquiry Booking Request Ing Print My Confirmation VGM Entry	Bill of Lading Company Information Put Booking Process & Status (Update) Booking Template VGM without Login 1	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 Shi Vess Por Pla Cor * T(GM without Login king No. : NSNS444293 [pravin.navale@emuli oper : EMU LINES PVT. LTD sel : HYUNDAI OAKLAND t of Loading : NHAVA SHEVA, INDI t of Loading : SHANGHAI,CHINA ce of Delivery : SHANGHAI,CHINA tainer Type & QTY : HH DC * 1 ext in red bold type has a pop-up window expl Auto Calculation for Tare Weight (cargo+dunnage) ESU6357793 KGS Tare Weight Responsible Party(Shipper)	nes.biz] V# 056E A aning itself in detail. Excel Upload Container Tare Verified Gross Mass / Unit Authorized (cargo+dunnage+tare) Signature (All) Optional (cargo+dunnage+tare) Input EMU LINES PVT. LTD. (2) Save & Submit	 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.
			I-IMM4





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 babalf. Otherwise, HMM may
	VGM Location Select Outside Terminal Inside Terminal	VGM Terminal Inv.to HMM Shipper	loose chance to recover the fee from the terminal.
			HMMF

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11 T	āre Weight Look Up	Shipper can inquire Container tare weight from HMM	I.
Tare Discla Accord The res gross r	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	ng the verified shipper.	 Shipper can inquire tare weight information under the menu of Informaion or Company Information according to local site through HMM Webpage

End of Document

