



MSC FLEXITANK BOOKING MANAGEMENT

HSSE – CDC / CM-FLX-PR011

V3.06- 20/10/2022

FLX QMS PROCEDURE – REVISIONS SUMMARY

Chapter	Version	Date	Short Description
All	1.00	01/10/2015	First issue of all Quality Manual and System QMS
All	2.00	01/07/2020	Second issue of all QMS
All	3.00	01/07/2022	Third issue of all QMS
All	3.05	01/09/2022	Language corrections and adding 3% deviation volume or mass. D-MIXS.MSC.COM Flexitank booking completion
All	3.06	20/10/2022	Inserting Table Guidance

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Disclaimer: This is a general and global procedure. Except of the mandatory legal requirements, it might be that due to regional and geo-logistical requirements, certain requirements might be different. if anything is not applicable or not available in your country, let us know and call us via +41 22 703 88 88. We will resolve the problem together.

Introduction and Used Abbreviations

This procedure is made to provide guidance on the loading of FlexiTank cargoes. FlexiTank cargoes are catalogued within MSC as critical cargoes. This is due to the bulk and cargo characteristics.

A. Which FLX do we accept ?

This procedure is related to Flexitanks. The commonly used abbreviation is FLX. There are different types of critical cargoes. All FLX booking will be accepted by the CDC Support Team.

The acceptance of the cargo will be related to the used type of FLX and the substance to be loaded into. MSC is using the COA list 1 of accepted FLX in combination with the approved commodities. We will accept conditional as well FLXs from the COA List 2.

The customer is responsible to select the correct FLX in combination with the cargo to be loaded. This is important as the substances to be loaded might require fulfilling certain technical specifications. All substances are harmless chemicals or food grade substances.

Shippers do know the substance to be loaded and shall always know the perils and danger of the voyage of the cargo, consider and respect the ullage, respecting as such the expansion factors of the loaded product, selecting the related and correct FLX in function of, verifying that there will be no abnormal pressure created by the substance and/or no fermentation will take place.

B. Which Critical Cargo do we allow in FLX

All harmless liquid substance will be verified and approved in relation to the used type /specifications of the FLX. Dangerous Cargoes are NOT allowed in **FLX or FlexiTanks**.

It is important to note that we can only verify what has been registered by the MSC Agents, meaning that we have only access to the main basic cargo booking information. The final responsibility for each shipment remains always with the Shippers / Consignors.

C. Abbreviations Used

Abbreviation	Full Description	Remark
IMO	International Maritime Organisation	
IMDG	International Maritime Dangerous Goods	
CDC	Critical and Dangerous Cargo	
SHS	Self-Heating-Substances	
MSDS	Material Safety Data Sheet	
SDS	Safety Data Sheet	
DGD/PC	Dangerous Goods Declaration / Packing Certificate	
CAS	Chemical Abstract Service number	
BMS	Booking Management System	
QNP	Quality Non-Performance	
PIN	Pre-Incident Notification	
QNC	Quality Non-Conformance	
FLX	FlexiTank	
WL	White Listed	
KYC	Know Your Customer	

1. AIM AND SCOPE

This procedure is to the attention of all parties involved in the process of FlexiTanks (hereafter referred to as FLX) shipments within the MSC organization. The first objective is to describe the general set up of the MSC management of the FLX shipments.

The second objective is to verify the characteristics of the cargo and the compatibility with the FLX. This includes the verification of mis-declared dangerous chemical substances. **Dangerous cargoes are not allowed in FLXs.**

The third objective is to identify involved and related stakeholders in the FLX supply chain. It is obvious that also here the Know-Your-Customer & White-Listing processes for FLX (hereafter referred to as KYC-WL-FLX) will be managed. This is a manual process today.

2. RESPONSIBILITY AND DUTIES

MSC Geneva, Cdt. Dirk Van de Velde, Chief Officer for MSC HSSE, Cargo Management (including FLX shipments) and ISO standardization, overall responsible for cargo management and cargo loss prevention and Mrs. Leslie Godelaine, legal counselor.

MSC Shared service Center Belgium, CDC Support desk, in charge of MSC Cargo Acceptance daily management (including FLX shipments).

MSC Agents, all MD's are responsible in their organization to manage and verify the correctness of all related booking data in their booking systems and for the completion of the data in the **D-MIXS.MSC.COM**, **EQM** and/or the OBL files and Load Lists as per related procedures and instructions.

MSC Planning, Cdt. Gianfranco Di Bartolomeo, responsible for proper stowage & segregation and for operations & planning of the cargo on board the MSC operated ships.

3. PROCEDURE

3.1. FLX Cargo Booking Acceptance Procedure

Steps	Action	Remark
1	MSC Agents to obtain Shippers information	Use the KYC procedure to have your customer Whitelisted (WL).
2	MSC Agents to obtain FLX details and type	Max 24000 kg mass allowed, All FLX COA List 1 are approved All FLX COA list 2 are conditional approved We allow a positive or negative deviation of max 3%
3	MSC Agent to obtain the commodity – substance details	Mandatory requested HS Code and substance technical name. Mandatory requested SDS MSC Agents are responsible to organize, manage and verify the correctness of all related booking data in the booking systems and for the completion of the data in the EQM, Load Lists and/or the OBL files.
4	Obtain approval from CDC Support	All Flexitank bookings must completed and approved via D-MIXS

3.2. FLX General Tasks for the MSC Agents

1	Load List. The Load List (OBL) must clearly mention the code 'FLX' for each container which has been loaded with a FLX for EQM to be able to make all required checks and to print the correct Load List.	
2	Release Empty Equipment. Containers shall conform to provisions of ISO 1496:2013 Part 1 and shall display a valid CSC plate (Convention for Safe Containers) and a valid PES (periodic examination scheme) or ACEP (approved continual examination programme). Refer to IMO publications for detail. 20 FLX GP containers shall be rated to a minimum gross mass of 30,480kg.	
3	All Flexitank Bookings made via your general Agency booking system. The core data is automatically transferred between your booking system and must be only completed via the D-MIXS.MSC.COM website for the minimum technical remaining data. We refer to the D-MIXS.MSC.COM → FlexiTank Manual for complete details.	

3.3. Financial Charges

1. The **FTS**, Flexi Tank Surcharge is the standard surcharge for customers when a flexitank is being used. This surcharge is 14 USD per container.
2. There are other specific Flexitank surcharges, such as the **FXS** or the Flexi Quality Container Surcharge, that might be applied as well by the Line Mangers.

3.4. Checklist on FLX Installation and Procedure for Shippers and Stuffing contractors

The list below must be given to the Customer, filled, completed and returned to the MSC Agent.

	You must confirm that:	Comments if any
<input type="checkbox"/>	Cargo Do you have loaded only harmless liquid substances a FLX?	
<input type="checkbox"/> <input type="checkbox"/>	Cargo weight and FlexiTank Does your cargo comply with the max 24000 kg mass allowed? <ul style="list-style-type: none"> • All FLX COA List 1 are approved? • All FLX COA list 2 are conditional approved? (We allow a positive or negative deviation of max 3%)	
<input type="checkbox"/>	Compliance Are you compliant with all mandatory international and national legislation, including the VGM regulations and correct cargo declarations and specifications?	
<input type="checkbox"/>	Documentation Did you send the mandatory HS Code and substance technical name together with the mandatory requested SDS?	
<input type="checkbox"/>	Installation Did you install the necessary safe bulkhead protection equipment to accompany the FLX? They must be compliant with each other and wooden bulk heads are prohibited.	
<input type="checkbox"/>	Empty container Did you verify the empty container equipment before installing the FLX (and if required being reinforced before installation and loading of the bulk liquid cargo)?	

