TPFREP
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Information in the TPFREP – Terminal Performance Report

Implemented by

Volume per crane

Vessel Operator

Volume per Container Operators

Hapag-Lloyd

CMA CGM

HAMBURG SÜD

ZIM70 SINCE 1945

MAERSK LINE

Refresher

TPFREP - EDIFACT SMDG Message

■ **Versions**
  TPFREP 3.0 - Directory D.00B - published 2001
  TPFREP 4.0 - Directory D.11B - published 2012
 TPFREP 4.1 - Directory D.18A - will be published Q1.2021

■ **It is sent from the Terminal to each Container Operator after vessel departure from a port.**

■ **Purpose is to transmit terminal productivity data and equipment movement summary, related to the complete vessel.**

■ **The message contains following information items:**

- • **Vessel timesheet**

- • **Crane timesheets**
    Crane Delays and delay reasons

- • **Number of Moves per Crane**

- • **Number of boxes load / discharge / restow**
    broken down by Container operator, full/MT, 20'/40'

- • **Number of hatch cover moves**

■ **Based on this information the gross / net productivity by vessel and by crane can be calculated.**

Terminal

Vessel
Operator

Co-Loader

Co-Loader

Refresher
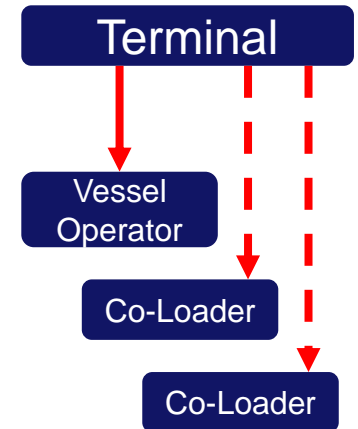
Benefits for the Terminal

■ **Provide only one standard message to all container operators, versus individual formats as before.**

■ **To create and send the message electronically saves time and money compared to creating individual reports manually and sending by email.**

■ **For contract negotiations, both partners have the same data source available.**

Benefits for the Shipping Line

■ **All TDR in a central database allows structured analyses, e.g. over time series**

■ **Consistency, easy to compare different terminals.**

■ **Save manual workload for Port Ops**

■ **Timeliness**

■ **Accuracy**

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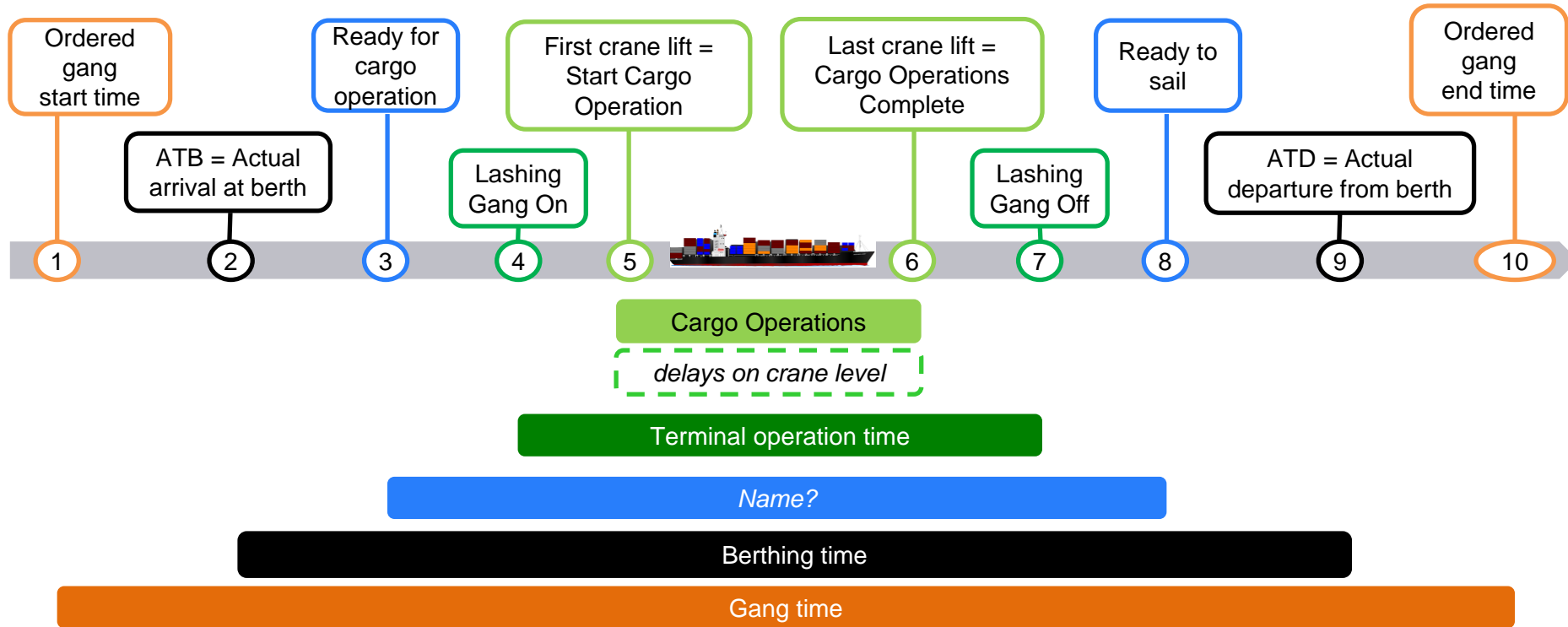
TPFREP Changes for next version 4.1

No update on segment structure –
only new codes and qualifiers !

Requirement	Solution in TPFREP 4.1
1. Differentiate Full TPFREP versus Partial/Light TPFREP	Full (as default) means that the TPFREP contains all container moves from all container operators. Partial means that the message contains only the volumes for one carrier. *New qualifier '873' added in BGM/de1001.*
2. BGM function codes	Only following values allowed: 1 – Cancellation 5 – Replace 9 – Original <u>Note</u>: Industry standard is to use <9-Original> only, where a new message will override a previous message completely.

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TPFREP Changes for next version 4.1

Requirement	Solution in TPFREP 4.1
3. Vessel Timesheet – four new timestamps added	*New codes in SG1 / DTM / C507.2005* a.　　　　'816' **Ordered gang start time** The time for which the working gangs were ordered by the vessel operator b.　　　　'817' **Ordered gang end time** The time until when the working gangs were ordered by the vessel operator c.　　　　'818' **Vessel reports Ready for cargo operation** d.　　　　'819' **Vessel reports Ready to sail**

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TPFREP - Vessel time sheet, new events

1 — Ordered gang start time

2 — ATB = Actual arrival at berth

3 — Ready for cargo operation

4 — Lashing Gang On

5 — First crane lift = Start Cargo Operation

6 — Last crane lift = Cargo Operations Complete

7 — Lashing Gang Off

8 — Ready to sail

9 — ATD = Actual departure from berth

10 — Ordered gang end time

Cargo Operations

delays on crane level

Terminal operation time

Name?

Berthing time

Gang time

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TPFREP Changes for next version 4.1

Requirement	Solution in TPFREP 4.1
4. **Landside power supply** To report start+end date+time and amount of power (kWh) provided by the terminal.	*New qualifier 'EGI' for "Landside power generator" in SG2/EQD/de8053* (currently used for type of crane). Example for reporting 20000 KWH: EQD+EGI+G1' DTM+78:201808291930-201808300200:719' QTY+220:20000:KWH'
5. Crane Hours in Overtime Report crane hours in overtime, amount of boxes in overtime, type + reason for overtime, responsible partner for overtime	Reporting of crane hours in overtime and amount of boxes in overtime now possible. ➔ Overtime means working hours that entail a surcharge, for example at night or at weekend. *New qualifier '504' added to SG3/DTM/C507.2005*

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TPFREP Changes for next version 4.1

Requirement	Solution in TPFREP 4.1
6. **Reporting of Gear Box moves**	Reporting additional crane moves for gear boxes (synonyms: Twistlock Boxes / Gear Bins / Lashing Material) now possible. *New qualifier '529' added to SG3/QTY/C186.6063 for gear box* (same level as hatch cover moves).
7. **Container categories Standard, DG, OOG Reefer**	Reporting of any combination of Standard, Reefer, OOG, DG containers, now possible *in SG5/EQD/de8154 (volume by operator).*

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TPFREP Changes for next version 4.1

Requirement	Solution in TPFREP 4.1
8. Generic container Size Type	Align container size-type reporting with SMDG standard: In SG5/EQD/C224.8155 New: Report the leading 2 digits of the ISO size-type code followed by %%. <u>Examples</u>: 22%% = container with length 20 ft and height 8'6 L5%% = container with length 45 ft and height 9'6
9. **Type of Move for Cabotage** Special reporting for Coastal (=cabotage) is important in Brazil and China	*Two new codes 'CTD' and 'CTL' now added in SG6/FTX/C107.4441*
10. Restow Reporting	Improved documentation in SG3/QTY (moves per crane) and in SG6/FTX (moves per operator) for A) Terminal Convenience restow / Common restow / normal restow reporting B) Move count for restow via pier (always report as 2 moves) and for hatch cover moves.

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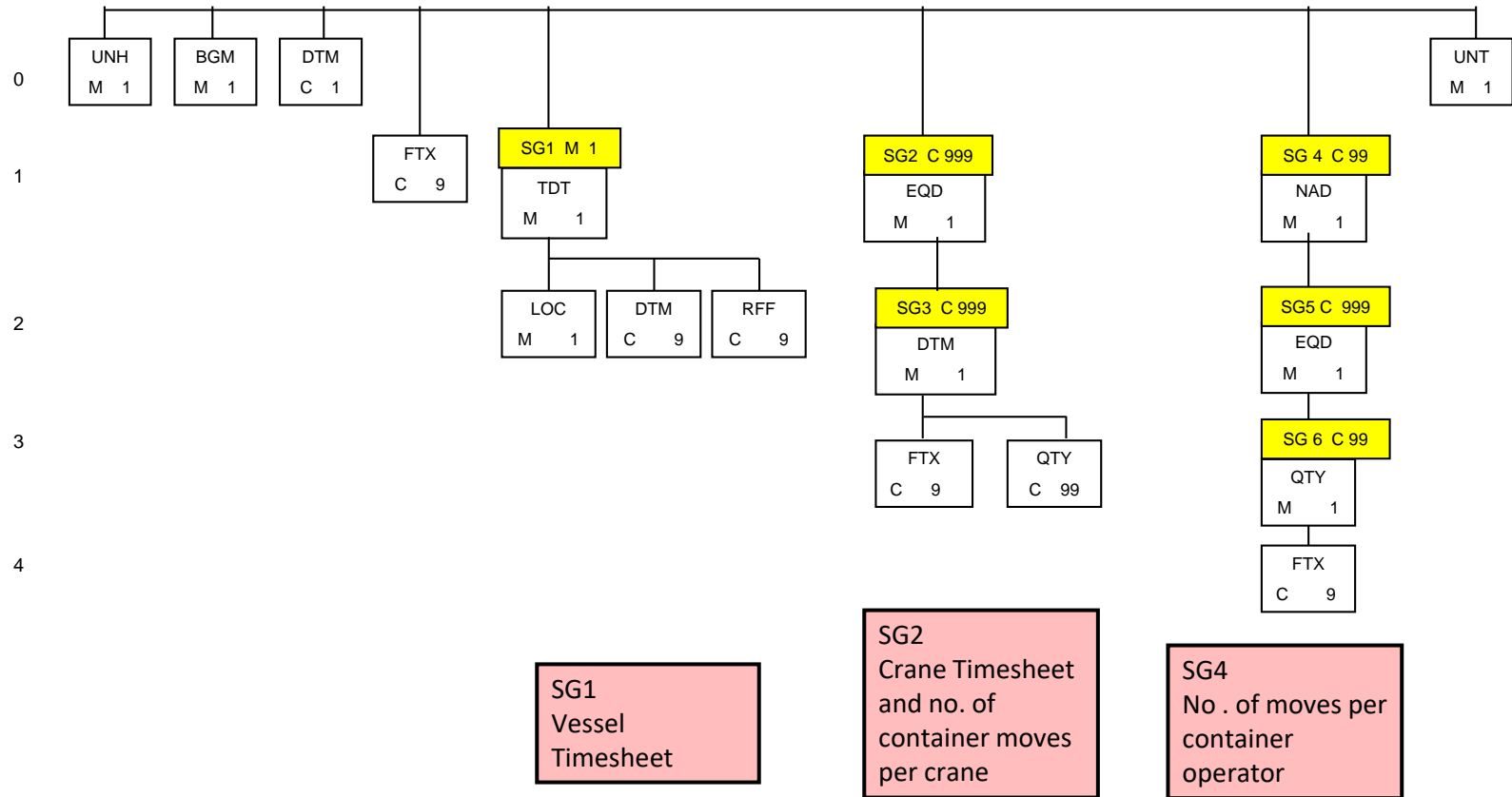# TPFREP - Delay Reason Code List

Requirement	Solution in TPFREP 4.1
11. SMDG Delay Reason code list	The reasons for non-working time of a crane is now reported by using the SMDG Delay Reason code list *in SG3/FTX*

- **The new Delay Reason Code List was published in April 2020 and is available for download on SMDG website.**

- **The delay reasons are grouped into 5 categories. Categories 1-4 are unplanned, unwanted events. Category 5 are planned events, typically used in vessel schedule:**
  - **1- Ship related**
  - **2- Shore related**
  - **3- Cargo related**
  - **4- Force Majeure**

  - **5- Planned events**

EDIFACT Code List Name:		Example for delay code WEA:
DE 1131= DELAY		FTX+ACD++WEA:DELAY:306+GALE[1]

excerpt

Code	Name	Description
3- CARGO related		
CAE	Cargo - Awaiting Exports	Cargo - Awaiting Exports
CIN	Cargo inspection by Authorities	Cargo inspection by Authorities
DIN	Deficient or inadequate information	Deficient or inadequate information
LEK	Leaking Container	Leaking Container
REF	Reefer malfunction	Reefer malfunction
SPH	Special cargo handling	Special cargo handling including Dangerous Goods (DG)
STF	Misstuffed Container	Misstuffed Container
UCC	Non-containerised cargo handling	Non-containerised (break bulk) or OOG (out of gauge) cargo handling requiring manual intervention
WGT	Misdeclared Cargo weight	Misdeclared Cargo weight
OTC	*Others - Cargo Related*	*Others - Cargo Related*
4- Force Majeure		
HOL	Bank Holidays	Bank Holidays
QUV	Quarantine Vessel	Quarantine Vessel before berthing due to epidemic
PTF	Port traffic restrictions	Port traffic restrictions
RSC	Save and Rescue	Save and Rescue
STR	Strike	Strike
TID	Tidal restrictions	Tidal restrictions
VIN	Vessel inspections by Coast Guard	Vessel inspections by Coast Guard
WEA	Bad weather	Bad weather
OTF	*Others - Force Majeure Related*	*Others - Force Majeure Related*
5- Planned Events		
OMIT	Port Omission	Omission of a port call that was contained in the original schedule
PHIN	Phase-in	The vessel joins a Service in this port.
PHOT	Phase-out	The vessel leaves a Service in this port.
DRYD	Drydock	Planned dry docking

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SG1
Vessel
Timesheet

SG2
Crane Timesheet
and no. of
container moves
per crane

SG4
No . of moves per
container
operator

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