

RBS/PRIMUS

TOPX Truck Design Process



TopX - Gate Process

Pre-requisites:

- The Truck Gate WQ must have been assigned to a deployment site.
- The deployment site is then assigned to the ASC/RST at the yard block.
- The deployment site releases the Truck Gate WQ.
- At least one WI in the Truck Gate WQ has been activated.



Truck Receival



TOPO

TopX – Truck Receiving

Y10 TruckGate WQ - Receivals

Terminal Operational Package - TopX-Advance : TOPX - 12.08.2012 16:38:52

File Vessel Yard Equipment Control Utilities Management System References Windows Favourites Help

Y10 - Truck Gate WQ - Receival [Limit: Current Truck: 100/88 - Truck Moves: 100/91] count (66)

	Wait	VisitCd	Ctr No	ISO	GrVt	Commod	Stat	LOP	ArrCar	FDP
1	1,356	0000000463	BTPU000106	4310	12.0		F	MSC	463	ITLIV
2	1,359	0000000462	BTPU000105	4310	12.0		F	MSC	462	ITLIV
3	1,362	0000000461	BTPU0000152	4310	13.0		F	MAE	461	PABLE
4	1,372	0000000460	BTPU0000151	4NGO	16.0		F	MSC	460	ZADUR
5	1,375	0000000459	BTPU0000150	4NGO	30.5		F	MSC	459	ZADUR
6	1,381	0000000458	BTPU0000149	4NGO	13.0		F	MSC	458	ZADUR
7	1,383	0000000457	BTPU0000148	4NGO	13.0		F	MSC	457	ZADUR
8	1,385	0000000456	BTPU0000144	4NGO	13.0		F	MSC	456	ZADUR
9	1,387	0000000455	BTPU0000143	4NGO	16.0		F	MSC	455	ZADUR
10	1,389	0000000454	BTPU0000142	4NGO	17.0		F	MSC	454	BEANR
11	1,391	0000000453	BTPU0000141	4NGO	13.0		F	MSC	453	BEANR
12	1,394	0000000452	BTPU0000140	4NGO	14.0		F	MSC	452	BEANR
13	1,396	0000000451	BTPU0000139	4NGO	15.0		F	MSC	451	BEANR
14	1,401	0000000450	BTPU0000137	4NGO	15.0		F	MSC	450	BEANR

Planned No Allocation

To replan a container(s) using the Yard Allocation Filters

To Direct Plan to Yard



TOPO

TopX – Truck Reveal

20ft Container move from External Truck to Yard – Back position

Terminal Operational Package - TopX-Advance : Release 3.0.1 - 05.11.2015 14:24:03

Equipment Control Utilities Management System_References Windows Favourites Help

Y10 - Truck Gate WQ - Reveal

	Wait	Ctr No	ArrCar	ISO	GrWt	DP	Plan 1	Loc. Δ	Current
1	254	TECU1034524	RT-05	2200	19.0	SGSIN	Y A 07 04 1		T
2		G20 - Container Information						26 02 3	T

Planned

TECU1034524

20

8.6

2200

19.0

0.0

E

PAOL

SA

B

Spec Hdl Cd

Avail Time 2015/11/05 10:09:36

Arrival Time

Est. Mv Time 2015/11/05 14:19:34

Est. Mv Time 2

Current Loc. T

Planned Loc. Y A 07 04 1

Historical Loc.

ISO 2200

GrWt 19.0

Tare 0.0

Cat E

Commod PAOL

LOP SA

Seal No B

Spec Hdl Cd

ArrCar RT-05

DepCar KAXY053

Org IDSRG

LP IDSRG

DP SGSIN

LLDP SGSIN

FDP SGSIN

Temp

Grade

Load Instr.

RS1

RS2

RS3

RT4

S01

S02

S03

T03

4 75 #WQs: 0



TOPO

TopX – Truck Receival

20ft Container move from External Truck to Yard – Back position

Terminal Operational Package - TopX-Advance : Release 3.0.1 - 05.11.2015 14:45:36

File Vessel Rail Yard Equipment Control Utilities Management System References Windows Favourites Help

E90 - Truck Monitor

Trk ID	RFID	St	Type	Location	Container	WQ	Event	WI Loc	Status
141	141	●	Internal						●
142	142	●	Internal						●
143	143	●	Internal						●
144	144	●	Internal						●
145	145	●	Internal						●
RT-01	34000004240000000000000062AE	●	External	MAIN_GATE					●
RT-05	30000004150000000000000002D5	●	External	TRUCK_PARK	TECU1034521	TRK DELIVERY	PICK UP Y A	07 01 1	●
RT4	30000004150000000000000002D8	●	Internal		TECU1034524	TRK RECEIVAL	UNLOAD Y A	07 04 1	●

Refresh

E90 - Truck Monitor

Trk ID	RFID	St	Type	Location	Container	WQ	Event	WI Loc	Sta
141	141	●	Internal						●
142	142	●	Internal						●
143	143	●	Internal						●
144	144	●	Internal						●
145	145	●	Internal						●
RT-01	34000004240000000000000062AE	●	External	MAIN_GATE					●
RT-05	30000004150000000000000002D5	●	External	OUT_TRUCK_PARK	TECU1034521	TRK DELIVERY	PICK UP Y A	07 01 1	●
					TECU1034524	TRK RECEIVAL	UNLOAD Y A	07 04 1	●



TopX – Truck Receiving

20ft Container move from External Truck to Yard – Back position

Terminal Operational Package - TopX-Advance : Release 3.0.1 - 05.11.2015 15:07:51

File Vessel Rail Yard Equipment Control Utilities Management System References Windows Favourites Help

Y10 - Truck Gate WQ - Reveal

Wait	Ctrl No	ArrCar	ISO	GrWt	DP	Plan 1	Loc.	Current Loc.
1	1,964	TACU1034545	RI-11	4300	19.0	SGSIN	Y A 26 02 3	T
2	298	TECU1034524	RI-05	2200	19.0	SGSIN	Y A 07 04 1	T

E26 - CHE : A01 - MDT DEV : A01

ARTG Name A01 Status AUTOMATIC
Spreader Status CONTAINER Sequence State TRAVELING_TO_DE:
Spreader Size 20 Order Key 41
Stack A Bay 07
Row 05 Update Time 2015/11/05 04:09:01
Accept Order TRUE Truck ID RT-05

Container Target Container TECU1034524
Range 09 - 09 Order Status Receive Order Status
From T To Y A 07 04 1
WQ TRUCK GATE Plan Loc Y A 07 04 1

G20 - Container In

TECU1034524

20

Current Loc. T

Planned Loc. Y A 07 04 1

Historical Loc.

CTMS Client

File View Help

3D view

Block A

Control crane

Insert job

Travel

Truck guidance

Containers

Add

Remove

Remove all

Debug

Add many containers

KONECRANES

Global command EC Mode: Manual No Vessel Colour Scheme: Disch. Port Scheme3 Move



Truck Delivery



TOPO

TopX - Truck Delivery

Y20 – Truck Gate WQ - Delivery

Terminal Operational Package - TopX-Advance : TOPX - 12.08.2012 16:14:15

File Vessel Yard Equipment Control Utilities Management System_References Windows Favourites

Y20 - Truck Gate WQ - Delivery [Limit/Current Truck: 100/89 - TruckMoves: 100/92]: count (13)

	Wait	VisitCd	Ctr No	ISO	GrUt	Stat	LOP	DepCar
1	0	0000000209	GESU3515874	23G0	6.0	F	MSC	009
2	19	0000000210	BBCU2183480	23G0	7.9	F	MSC	010
3	20	0000000101	MAEU6722780	23G0	3.4	F	MSC	002
4	9,999	0000000102	MSKU5102612	23G0	7.7	F	MSC	003
5	9,999	0000000200	TTJU2325282	23G0	5.3	F	MSC	000
6	9,999	0000000201	MRKU6756956	23G0	2.4	F	MSC	001
7	9,999	0000000202	MRKU8161453	23G0	5.5	F	MSC	002
8	9,999	0000000203	MRKU7365920	23G0	3.4	F	MSC	003
9	9,999	0000000204	APMU2846608	23G0	8.1	F	MSC	004
10	9,999	0000000205	MSKU3579210	23G0	4.0	F	MSC	005
11	9,999	0000000206	NWCU5634636	22R1	19.1	F	MSC	006
12	9,999	0000000207	PONU2898168	22R1	19.1	F	MSC	007
13	9,999	0000000208	TTJU2560337	23G0	7.8	F	MSC	008

Planned

Background Colour	Sample	Number of minutes waiting in the yard
white	11	less than 15
yellow	16	16 - 30
magenta	31	31 - 45
red	46	more than 45



TOPO

TopX - Truck Delivery

Y21 – Truck Delivery Exception handling

Planning delivery container on a external truck back to yard.

Wait	VisitCd	Ctr No	ISO	GrWt	Stat	LOP	DepCar	C
1	0000000101	WAFH6222780	2300	1.4	P	Med	002	Y

Ctr No	ISO	GrWt	DP	Current Loc.	Plan 1	Loc.
1	TTNU2560337	2360	7.8	BRSSZ	T	



TopX – Truck Delivery

20ft Container move from Yard to External Truck – Back position


Terminal Operational Package - TopX-Advance : Release 3.0.1 - 05.11.2015 14:25:28


ment Control Utilities Management System_References Windows Favourites Help

Y20 - Truck Gate WQ - Delivery

Wait	△	Ctrl No	ISO	GrWt	DP	Current Loc.	Plan 1	Loc.
1	253	TECU1034521	22G1	21.5	IDSRG	Y A 07 01 1	T	

G20 - Container Information

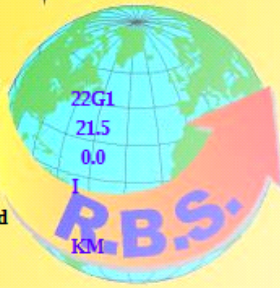
**TECU1034521**


8.6
20

Current Loc.
Y A 07 01 1


Planned Loc.
T


Historical Loc.



22G1
21.5
0.0
KM

ISO
22G1
GrWt
21.5
Tare
0.0
Cat
Commod
LOP
Seal No
Spec Hdl Cd
Avail Time 2015/11/05 14:19:34
Arrival Time 2015/10/03 03:23:31
Est. Mv Time 2015/11/05 14:19:34
Est. Mv Time 2

ArrCar KAXY051
DepCar RT-01
Org
LP SGSIN
DP IDSRG
LLDP IDSRG
FDP IDSRG
Temp
Grade
Load Instr.




RS1
RS2
RS3
RT4
S01
S02
S03
T03


4 75 #WQs: 0



TOPO

TopX – Truck Delivery

20ft Container move from Yard to External Truck – Back position

Terminal Operational Package - TopX-Advance : Release 3.0.1 - 05.11.2015 15:11:05

File Vessel Rail Yard Equipment Control Utilities Management System_References Windows Favourites Help

E90 - Truck Monitor

Trk ID	RFID	St	Type	Location	Container	WQ	Event	WI Loc	Stat
142	142	●	Internal						●
143	143	●	Internal						●
144	144	●	Internal						●
145	145	●	Internal						●
RT-01	34000004240000000000000062AE	●	External	BLOCK_BUFFER					●
					TECU1034521	TRK DELIVERY	PICK UP	Y A 07 01 1	
RT4	30000004150000000000000002D8	●	Internal						●



TopX – Truck Delivery

20ft Container move from Yard to External Truck – Back position

Terminal Operational Package - TopX-Advance : Release 3.0.1 - 05.11.2015 15:12:38

File Vessel Rail Yard Equipment Control Utilities Management System_References Windows Favourites Help

Y20 - Truck Gate WQ - Delivery

	Wait	Ctrl No	ISO	GrWt	DP	Current Loc.	Plan 1 Loc.
1	2,006	TACU1034544	45G1	30.4	IDSRG	Y A 14 04 1	T
2	1,850	TACU1034548	4500	14.7	IDSRG	Y B 22 03 1	T
3	1,584	TBCU1034541	4500	24.0	IDSRG	Y A 22 05 1	T
4	1,569	TBCU1034542	4500	30.0	IDSRG	Y A 22 02 1	T
5	299	TECU1034521	22G1	21.5	IDSRG	Y A 07 01 1	T

Planned

Refresh

E26 - CHE : A01 - MDT DEV : A01

ARTG Name	A01	Status	AUTOMATIC
Spreader Status	CONTAINER	Sequence State	MANUAL_PLACE
Spreader Size	20	Order Key	42
Stack	A	Bay	07
Row	00	Update Time	2015/11/05 04:13:48
Accept Order	TRUE	Truck ID	RT-01

Container	Target Container	TECU1034521
Range	Order Status	Receive Order Status
From	To	T
WQ	Plan Loc	T

G20 - Container Info

TECU1034521

Current Loc.
Y A 07 01 1

Planned Loc.
T

Historical Loc.

CTMS Client

File View Help

3D view

Block
A

Control crane

Insert job

Travel

Truck guidance

Containers

Add

Remove

Remove all

Debug

Add many containers

KONEC






TOPO

TopX – Truck Delivery

20ft Container move from Yard to External Truck – Back position

G20 - Container Information

**TECU1034521**



8.6

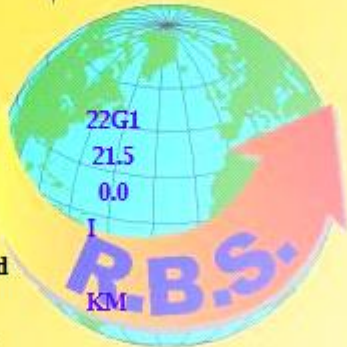
20

Current Loc.
T

Planned Loc.

Historical Loc.
Y A 07 01 1

ISO 22G1
GrWt 21.5
Tare 0.0
Cat I
Commod KM
LOP
Seal No
Spec Hdl Cd
Avail Time 2015/11/05 15:02:28
Arrival Time 2015/10/03 03:23:31
Est. Mv Time



ArrCar KAXY051
DepCar RT-01
Org
LP SGSIN
DP IDSRG
LLDP IDSRG
FDP IDSRG
Temp
Grade
Load Instr.



TOPO

Thank you for your attention



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