OVERVIEW

Purpose

Preferred File Format

For Additional Information

REVISION HISTORY

Date
1/5/2023

This file provides the FLOW data dictionary associated with each participating sector.

The preferred format for data submission is CSV (comma-separated values), using the Variable Name column headers listed in this data dictionary. The preferred file naming convention is also listed in each tab of this file.

Reference CSV templates for each sector can be found on the FLOW Data Portal > About > Data Dictionary & Templates.
https://www.c3rs.bts.gov/data-portal/dataset/about

Description

Version 1/5/2023 released.

Standard file naming convention: companyname_terminal_gen_YYYYMM

Data Element	**Variable Name**
Company	company
Date	date
Port	port
Terminal	terminal
Total Container Slots	total_container_slots
Reefer Container Slots	reefer_container_slots

Optional Data Fields - if actual (not estimated)

Total Container Slots - Import	import_container_slots
Total Container Slots - Export	export_container_slots
Total Container Slots - Empty	empty_container_slots
Total Container Slots - Loaded	loaded_container_slots
Total Container Slots - Wheeled	wheeled_container_slots

Operational capacity shou
For example, if some conta
maintenance, they would

MDD.csv

Definition
Your company name
Date corresponding to counts of container slots and inventoried containers, as YYYY-MM-DD
Port UNLOCODE
SMDG code for marine terminal. Codes available at https://smdg.org/documents/smdg-code-lists/smdg-terminal-code-list/
Total number of container slots on terminal, in TEUs. **This includes both reefer and non-reefer container slots.**
Total number of reefer container slots on terminal, in TEUs.
Total number of import container slots on terminal, in TEUs
Total number of export container slots on terminal, in TEUs
Total number of empty/storage container slots on terminal, in TEUs
Total number of loaded container slots on terminal, in TEUs
Total number of wheeled container slots on terminal, in TEUs

ld be provided, as opposed to design capacity.
ainer slots are unavailable due to crane
be excluded from total container slots.

Example1	Example2	Note
Global Container Terminals		
2022-09-02		
USLAX		
APMT		
1000		
500		
	Optional	
	Optional	
	Optional	
	Optional	
	Optional	

Standard file naming convention: companyname_terminal_inv_YYYYMMDD.csv

Data Element	Acceptable Values	Variable Name
Company		company
Date		date
Port		port
Terminal		terminal
Container Size	20, 40, 45, 40HC, 45HC, 53	container_size
Container Type	reefer, non-reefer	container_type
Truck or Rail Designation	truck, rail, truck to rail	truck_or_rail_designation
Inventoried Containers (import)		inventoried_import_containers
Inventoried Containers (export)		inventoried_export_containers
Inventoried Containers (empty)		inventoried_empty_containers
Inventoried Containers (wheeled)		inventoried_wheeled_containers
Inventoried Containers (reefer)		inventoried_reefer_containers
Inventoried Containers (non-reefer)		inventoried_nonreefer_containers

Definition

Your company name

Date corresponding to counts of container slots and inventoried containers, as YYYY-MM-DD

Port UNLOCODE

SMDG code for marine terminal. Codes available at https://smdg.org/documents/smdg-code-lists/smdg-terminal-code-list/

Size of container.

Type of container as reefer versus non-reefer.

Whether an import or export container will be moved from the terminal by truck or rail.

Number of import containers currently on terminal, in TEUs.

Number of export containers currently on terminal, in TEUs.

Number of empty containers currently on terminal, in TEUs.

Number of wheeled containers currently on terminal, in TEUs.

Number of reefer containers currently on terminal, in TEUs. **Provide only if Container Type not provided (i.e., operator does not separate reefer inventory as import, export, empty).**

Number of non-reefer containers currently on terminal, in TEUs. **Provide only if Container Type not provided (i.e., operator does not separate non-reefer inventory as import, export, empty).**

Example1	Example2
APM Terminals	
2022-09-02	
USLAX	
APMT	
40	
reefer	
rail	
200	
200	
200	
200	
200	
200	

Standard file naming convention: companyname_drayage_YYYYI

Data Element	**Variable Name**
Company	company
Date	date
Port	port
Available trucks	available_trucks
Available chassis (20 ft)	available_chassis_20
Available chassis (40 ft)	available_chassis_40

MMDD.csv

Definition

Your company name

Date corresponding to number of available assets, as YYYY-MM-DD

Port UNLOCODE

Number of available trucks. Includes assets that are being used or available but not being used, and excludes assets that cannot be operated (e.g., broken).

Number of available chassis (20 ft). Includes assets that are being used or available but not being used, and excludes assets that cannot be operated (e.g., broken).

Number of available chassis (40 ft). Includes assets that are being used or available but not being used, and excludes assets that cannot be operated (e.g., broken).

Example1	**Example2**
RoadOne 2022-09-02 USLAX 1000 1000 1000	

Standard file naming convention: companyname_chassis_YYYYM

Data Element	Variable Name
Company	company
Date	date
Port	port
Available chassis (20 ft)	available_chassis_20
Available chassis (40 ft)	available_chassis_40

1MDD.csv

Definition	Example1
Your company name	TRAC Intermodal
Date corresponding to number of available chassis, as YYYY-MM-DD	2022-09-02
Port UNLOCODE	USLAX
Number of available chassis (20 ft). Includes assets that are being used or available but not being used, and excludes assets that cannot be operated (e.g., broken).	1000
Number of available chassis (40 ft). Includes assets that are being used or available but not being used, and excludes assets that cannot be operated (e.g., broken).	1000

Example2

Standard file naming convention: companyname_otr_YYYYMMDD.csv

Data Element	Variable Name
Company	company
Date	date
Port	port
ZIPs	zips
Available trucks	available_trucks
Available chassis (20 ft)	owned_available_chassis_20
Available chassis (40 ft)	owned_available_chassis_40

Definition

Your company name

Date corresponding to number of available assets, as YYYY-MM-DD

Port UNLOCODE

First 3 digits of ZIP code, corresponding to region. **See Zip Codes tab for ZIPs to be included.**

Number of available trucks. Includes assets that are being used or available but not being used, and excludes assets that cannot be operated (e.g., broken).

Number of available chassis (20 ft). Includes assets that are being used or available but not being used, and excludes assets that cannot be operated (e.g., broken).

Number of available chassis (40 ft). Includes assets that are being used or available but not being used, and excludes assets that cannot be operated (e.g., broken).

Example1	Example2
RoadOne	
2022-09-02	
USLAX	
913	070
1000	
1000	
1000	

Standard file naming convention: companyname_warehouse_

Data Element	Variable Name
Company	company
Date	date
Port	port
ZIPs	zips
Owner Total Space	owner_total_space
Owner Unleased Space	owner_unleased_space
Operater Total Space	operator_total_space
Operater Used Space	operator_used_space

_YYYYMMDD.csv

Definition
Your company name
Date corresponding to counts of container slots and inventoried containers, as YYYY-MM-DD
Port UNLOCODE
First 3 digits of ZIP code, corresponding to region. **See Zip Codes tab for ZIPs to be included.**
Provided by owners. Total owned warehouse space in cubic feet.
Provided by owners. Total owned, unleased warehouse space in cubic feet.
Provided by operators. Total operated warehouse space in cubic feet.
Provided by operators. Total operated, used warehouse space in cubic feet.

Example1	Example2
Company ABC	
2022-09-02	
USLAX	
913	070
10000	
10000	
2000	
5000	

ZIPs to be included for each node:

USLAX (Los Angeles)	USSAV (Savannah)
900	229
902	304
903	313
904	314
905	
906	
907	
908	
910	
911	
912	
913	
914	
915	
916	
917	
918	
923	
924	
925	
926	
927	
928	
930	
931	

USNYC (New York/New Jersey)
070
071
072
073
074
075
076
077
078
079
088
089

Standard file naming convention:	companyname_carrier_yyyyMMdd_HHmn
Note:	HH denotes hours in 24-hour format

Data Element	**Variable Name**
Company	company
Date of File Pull	date_of_file_pull
Date of Terminal Discharge	date_of_terminal_discharge
Merchant/Carrier Haulage	merchant_or_carrier_haulage
Loading Port	loading_port
Port of Entry	port_of_entry
Destination Marine Terminal	destination_marine_terminal
Destination Rail Terminal	destination_rail_terminal
End Destination	end_destination
End Destination UNLOCODE	end_destination_UNLOCODE
Truck Containers (20 ft, dry, laden)	truck_20_dry_laden
Truck Containers (20 ft, reefer, laden)	truck_20_reefer_laden
Truck Containers (20 ft, dry, empty)	truck_20_dry_empty
Truck Containers (20 ft, reefer, empty)	truck_20_reefer_empty
Truck Containers (40 ft, dry, laden)	truck_40_dry_laden
Truck Containers (40 ft, reefer, laden)	truck_40_reefer_laden
Truck Containers (40 ft, dry, empty)	truck_40_dry_empty
Truck Containers (40 ft, reefer, empty)	truck_40_reefer_empty
Truck Containers (40 ft HC, dry, laden)	truck_40HC_dry_laden
Truck Containers (40 ft HC, reefer, laden)	truck_40HC_reefer_laden
Truck Containers (40 ft HC, dry, empty)	truck_40HC_dry_empty
Truck Containers (40 ft HC, reefer, empty)	truck_40HC_reefer_empty
Truck Containers (45 ft, dry, laden)	truck_45_dry_laden
Truck Containers (45 ft, reefer, laden)	truck_45_reefer_laden
Truck Containers (45 ft, dry, empty)	truck_45_dry_empty
Truck Containers (45 ft, reefer, empty)	truck_45_reefer_empty
Truck Containers (45 ft HC, dry, laden)	truck_45HC_dry_laden
Truck Containers (45 ft HC, reefer, laden)	truck_45HC_reefer_laden
Truck Containers (45 ft HC, dry, empty)	truck_45HC_dry_empty
Truck Containers (45 ft HC, reefer, empty)	truck_45HC_reefer_empty
Rail Containers (20 ft, dry, laden)	rail_20_dry_laden
Rail Containers (20 ft, reefer, laden)	rail_20_reefer_laden
Rail Containers (20 ft, dry, empty)	rail_20_dry_empty
Rail Containers (20 ft, reefer, empty)	rail_20_reefer_empty
Rail Containers (40 ft, dry, laden)	rail_40_dry_laden
Rail Containers (40 ft, reefer, laden)	rail_40_reefer_laden
Rail Containers (40 ft, dry, empty)	rail_40_dry_empty
Rail Containers (40 ft, reefer, empty)	rail_40_reefer_empty
Rail Containers (40 ft HC, dry, laden)	rail_40HC_dry_laden
Rail Containers (40 ft HC, reefer, laden)	rail_40HC_reefer_laden
Rail Containers (40 ft HC, dry, empty)	rail_40HC_dry_empty
Rail Containers (40 ft HC, reefer, empty)	rail_40HC_reefer_empty
Rail Containers (45 ft, dry, laden)	rail_45_dry_laden

Rail Containers (45 ft, reefer, laden)	rail_45_reefer_laden
Rail Containers (45 ft, dry, empty)	rail_45_dry_empty
Rail Containers (45 ft, reefer, empty)	rail_45_reefer_empty
Rail Containers (45 ft HC, dry, laden)	rail_45HC_dry_laden
Rail Containers (45 ft HC, reefer, laden)	rail_45HC_reefer_laden
Rail Containers (45 ft HC, dry, empty)	rail_45HC_dry_empty
Rail Containers (45 ft HC, reefer, empty)	rail_45HC_reefer_empty

nss.csv

Definition

Your company name

Date data compiled, as YYYY-MM-DD

Date of terminal discharge, as YYYY-MM-DD

Designation of movement of container by merchant or carrier, as either MH or CH

Loading port UNLOCODE

Port of discharge UNLOCODE

SMDG code for destination marine terminal. Codes available at https://smdg.org/documents/smdg-code-lists

Facilities Information and Resources Management System (FIRMS) code assigned by CBP

5-digit zip code of final destination of container

UNLOCODE of final destination of container

Number of containers discharged of specified type

Number of containers discharged of specified type

Number of containers discharged of specified type

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Number of containers discharged of specified type

Example1	Example2
MSC	
2022-09-02	
2022-09-02	
MH	CH
CNNGB	
USLAX	
APMT	
L690	
90210	
USSTL	
100	
100	
100	
100	
100	
100	
100	
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Standard file naming convention: companyname_nvocc_YYYYMMDD.csv

Data Element	Variable Name
Company	company
Date of File Pull	date_of_file_pull
Date of Departure	date_of_departure
Date of Terminal Discharge	date_of_terminal_discharge
Loading Port	loading_port
Port of Entry	port_of_entry
Destination Marine Terminal	destination_marine_terminal
Destination Rail Terminal	destination_rail_terminal
End Destination	end_destination
End Destination UNLOCODE	end_destination_UNLOCODE
Truck Containers (20 ft, dry)	truck_20_dry
Truck Containers (20 ft, reefer)	truck_20_reefer
Truck Containers (40 ft, dry)	truck_40_dry
Truck Containers (40 ft, reefer)	truck_40_reefer
Truck Containers (40 ft HC, dry)	truck_40HC_dry
Truck Containers (40 ft HC, reefer)	truck_40HC_reefer
Truck Containers (45 ft, dry)	truck_45_dry
Truck Containers (45 ft, reefer)	truck_45_reefer
Rail Containers (20 ft, dry)	rail_20_dry
Rail Containers (20 ft, reefer)	rail_20_reefer
Rail Containers (40 ft, dry)	rail_40_dry
Rail Containers (40 ft, reefer)	rail_40_reefer
Rail Containers (40 ft HC, dry)	rail_40HC_dry
Rail Containers (40 ft HC, reefer)	rail_40HC_reefer
Rail Containers (45 ft, dry)	rail_45_dry
Rail Containers (45 ft, reefer)	rail_45_reefer

Definition

Your company name
Date data compiled, as YYYY-MM-DD
Date of departure from foreign port, as YYYY-MM-DD
Date of terminal discharge, as YYYY-MM-DD
Loading port UNLOCODE
Port of discharge UNLOCODE
SMDG code for destination marine terminal. Codes available at https://smdg.org/documents/smdg·
Facilities Information and Resources Management System (FIRMS) code assigned by CBP
5-digit zip code of final destination of container
UNLOCODE of final destination of container
Number of containers discharged of specified type
Number of containers discharged of specified type
Number of containers discharged of specified type
Number of containers discharged of specified type
Number of containers discharged of specified type
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Number of containers discharged of specified type
Number of containers discharged of specified type
Number of containers discharged of specified type

Example1	Example2	Note
Gemini Shippers		
2022-09-02		
2022-09-02		Optional
2022-09-02		
CNNGB		
USLAX		
APMT		
L690		
90210		
USSTL		
100		
100		
100		
100		
100		
100		
100		
100		
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100		
100		

Standard file naming convention: companyname_bco_YYYYMMDD.csv

Data Element	Units	Variable Name
Company		company
Date of File Pull		date_of_file_pull
Estimated Week of Departure		ETD
Loading Port		loading_port
Port of Entry		port_of_entry
Destination Marine Terminal		destination_marine_terminal
Estimated Week of Arrival		POE_ETA
Rail Ramp		rail_ramp
End Destination		end_destination
Truck POs (20 ft, dry)	Containers	truck_20_dry
Truck POs (20 ft, reefer)	Containers	truck_20_reefer
Truck POs (40 ft, dry)	Containers	truck_40_dry
Truck POs (40 ft, reefer)	Containers	truck_40_reefer
Truck POs (40 ft HC, dry)	Containers	truck_40HC_dry
Truck POs (40 ft HC, reefer)	Containers	truck_40HC_reefer
Truck POs (45 ft, dry)	Containers	truck_45_dry
Truck POs (45 ft, reefer)	Containers	truck_45_reefer
Rail POs (20 ft, dry)	Containers	rail_20_dry
Rail POs (20 ft, reefer)	Containers	rail_20_reefer
Rail POs (40 ft, dry)	Containers	rail_40_dry
Rail POs (40 ft, reefer)	Containers	rail_40_reefer
Rail POs (40 ft HC, dry)	Containers	rail_40HC_dry
Rail POs (40 ft HC, reefer)	Containers	rail_40HC_reefer
Rail POs (45 ft, dry)	Containers	rail_45_dry
Rail POs (45 ft, reefer)	Containers	rail_45_reefer

The number of containers to be
purchase order (PO) data—ever
at least the next 91 days (thirte
for the next ninety-one days."

Definition	Example1
Your company name	ABC Company
Date data compiled, as YYYY-MM-DD	2022-09-02
Estimated week of departure from loading port, as YYYY-MM-DD of first day of week	2023-01-01
Schedule K code of loading port (5 digits)	57035
Schedule D code of port of discharge (4 digits).	2704
SMDG code for destination marine terminal. Codes available at https://smdg.org/documents/sn	APMT
Estimated week of discharge at port of entry, as YYYY-MM-DD of first day of week	2023-03-05
STB code of the rail ramp, assigned by the Surface Transportation Board	160
5-digit zip code of final destination of container	01234
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100
Number of containers discharged of specified type	100

discharged should come from the company's
ything a BCO *wants delivered* to the terminal within
en weeks). This is *not* “what orders BCOs are placing

Example2	Note
	Start of week = Sunday
	If available
	BTS calculation, if not provided by company. Start of week = Sunday
001	