CBP Automated Manifest Interface Requirements

Appendix I - Container-Equipment Description Codes

November 2010

U.S. Customs and Border Protection

Appendix I

Container/Equipment Description Codes

This appendix provides a complete listing of valid container/equipment description codes.

Code	Description
00	Openings at one end or both ends.
01	Opening(s) at one or both ends plus "full" opening(s) on one or both sides.
02	Opening(s) at one or both ends plus "partial" opening(s) on one or both sides.
03	Opening(s) at one or both ends plus opening roof.
04	Opening(s) at one or both ends plus opening roof, plus opening(s) at one or both sides.
05	(Spare)
06	(Spare)
07	(Spare)
08	(Spare)
09	(Spare)
10	Passive vents at upper part of cargo space - Total vent cross-section area < 25 cm2/m of nominal container length.
11	Passive vents at upper part of cargo space - Total vent cross-section area > 25cm2/m of nominal container length.
12	(Spare)
13	Non-mechanical system, vents at lower and upper parts of cargo space.
14	(Spare)
15	Mechanical ventilation system, located internally.
16	(Spare)
17	Mechanical ventilation system, located externally.
18	(Spare)
19	(Spare)
21	Insulated - containers shall have insulation "K" values of Kmax < 0.7 W/(m2.oC).
22	Heated - containers shall have insulation "K" values of Kmax < 0.4 W/(m2.oC). Containers shall be required to maintain the internal temperatures given in ISO 1496/2. Series 1 freight containers – specification and testing - part 2: Thermal containers.
23	(Spare).
24	(Spare).
25	(Spare) Livestock carrier.

Code	Description
26	(Spare) Automobile carrier.
27	(Spare)
28	(Spare)
29	(Spare)
30	Refrigerated - expendable refrigerant – containers shall have insulation "K" values of Kmax < 0.4 W/(m2.oC). Containers shall be required to maintain the internal temperatures given in ISO 1496/2. Series 1 freight containers – specification and testing - part 2: Thermal containers.
31	Mechanically refrigerated – containers shall have insulation "K" values of Kmax < 0.4 W/(m2.oC). Containers shall be required to maintain the internal temperatures given in ISO 1496/2. Series 1 freight containers - specification and testing - part 2: Thermal containers.
32	Refrigerated and heated. Heated container: thermal container fitted with a heat-producing appliance. Refrigerated container: Thermal container using either expendable refrigerant or fitted with a refrigerator appliance. Refrigerated and heated - containers shall have insulation "K" values of Kmax < 0.4 W/(m2.oC). Containers shall be required to maintain the internal temperatures given in ISO 1496/2. Series 1 freight containers - specification and testing - part 2: Thermal containers
33	(Spare)
34	(Spare)
35	(Spare)
36	(Spare)
37	(Spare)
38	(Spare)
39	(Spare)
41	Refrigerated and/or heated with removable equipment appliance located INTERNALLY - containers shall have insulation "K" values of Kmax < 0.4 W/(m2.oC).
42	Refrigerated and/or heated with removable equipment appliance located EXTERNALLY - containers shall have insulation "K" values of Kmax < 0.7 W/(m2.oC).
43	(Spare)
44	(Spare)
45	(Spare)
46	(Spare)
47	(Spare)
48	(Spare)
49	(Spare)
50	Opening(s) at one or both ends.
51	Opening(s) at one or both ends plus removable top member(s) in end frame(s).
52	Opening(s) at one or both ends, plus opening(s) on one or both sides.

Code	Description
53	Opening(s) at one or both ends, plus opening(s) on one or both sides plus removable to member(s) in end frame(s).
54	(Spare)
55	(Spare)
56	(Spare)
57	(Spare)
58	(Spare)
59	(Spare)
60	Platform (container) - Type 60. A loadable platform having no superstructure whatever but having the same length and width as the base of the series 1 container and equipped with top and bottom corner fittings, located in plain view as on other series 1 containers so that some of the same securing and lifting devices can be used.
61	With complete and fixed ends (2).
62	With fixed free standing posts.
63	With complete and folding ends.
64	With folding free-standing posts.
65	With roof.
66	With open top.
67	With open top, open ends (skeletal).
68	(Spare).
69	(Spare).
70	For non-dangerous liquids, test pressure 0.45 bar.
71	For non-dangerous liquids, test pressure 1.5 bar
72	For non-dangerous liquids, test pressure 2.65 bar.
73	For dangerous liquids, test pressure 1.5 bar.
74	For dangerous liquids, test pressure 2.65 bar.
75	For dangerous liquids, test pressure 4.0 bar.
76	For dangerous liquids, test pressure 6.0 bar.
77	For dangerous gases, test pressure 10.5 bar.
78	For dangerous gases, test pressure 22.0 bar.
79	For dangerous gases, test pressure (to be developed).
80	Reserved for dry bulk containers (code allocation, characteristic text and notes, where required, shall be provided by ISO/TC 104/5C 2)
81	Reserved for dry bulk containers (code allocation, characteristic text and notes, where required, shall be provided by ISO/TC 104/5C 2)
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89	Reserved for dry bulk containers (code allocation, characteristic text and notes, where required, shall be provided by ISO/TC 104/5C 2)
90	Air/surface containers: Code characteristics are to be developed by ISO and IATA jointly. It is envisaged that number 90 to 99 will be allocated to containers for carriage in fixed wing aircraft.
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20	20 ft. IL Container (Open Top)
2B	20 ft. IL Container (Closed Top)
2D	Control Unit
2E	Helper Unit
2F	Roadrailer
40	40 ft. IL Container (Open Top)
4B	40 ft. IL Container (Closed Top)

Code	Description
AC	Closed Container
AF	Air Freight (Break Bulk)
AL	Container, Aluminum (Container must be made of aluminum)
AP	Aircraft
AT	Closed Container (Controlled Temperature)
BC	Covered Barge
BE	Bilevel Railcar Fully Open
BF	Bilevel Railcar Fully Enclosed
BG	Bogie
BH	Bilevel Railcar Screen, With Roof
BJ	Bilevel Railcar Screen, No Roof
BK	Container, Bulk
BO	Barge Open
BR	Barge
BX	Boxcar
CA	Caboose
CB	Chassis, Gooseneck
CC	Container Resting on a Chassis
CD	Container with Bag Hangers (Rings or bars located in upper part of container walls to suspend bulk bags within the ocean-type container)
CG	Container, Tank (Gas)
CH	Chassis
CI	Container, Insulated
CJ	Container, Insulated/Ventilated
CK	Container, Heated/Insulated/ Ventilated
CL	Container (Closed Top - Length Unspecified)
CM	Container, Open-Sided
CN	Container
CP	Coil Car Open
CQ	Container, Tank (Food Grade-Liquid)
CR	Coil-Car Covered
CS	Container-Low Side Open Top
CT	Container-High Side Open Top
CU	Container (Open Top - Length Unspecified)
CV	Closed Van
CW	Container, Tank (Chemicals)
CX	Container, Tank
CZ	Refrigerated Container
DD	Double-Drop Trailer (A flatbed with two drop decks)
DF	Container with Flush Doors (Container doors must be flush with the inside walls of the ocean-type container)
DT	Drop Back Trailer
DX	Boxcar, Damage Free Equipped
ET	End of Train Device

Code	Description
FH	Flat Bed Trailer with Headboards
FN	Flat Bed Trailer - Removable Sides
FP	Flatcar with Pedestal
FR	Flat Bed Trailer - Removable Sides
FS	Container with Floor Securing Rings (Appliances at floor level that can be used to secure cargo)
FT	Flat Bed Trailer
FX	Boxcar Cushion Under Frame Of
GS	Generator Set
HB	Container with Hangar Bars (Container must be equipped with hangar beams/bars for garment shipments)
HC	Hopper Car (Covered)
HO	Hopper Car (Open)
HP	Hopper Car (Covered; Pneumatic Discharge)
HT	Head of Train Device
HV	High Cube Van
HY	Hydrant-Cart (Used at large airports with installed distribution systems to make into-plane deliveries; distinguished from other types of fueling vehicles)
ID	Idler Car
IX	Boxcar (Insulated)
LO	Locomotive
LS	Half Height Flat Rack
LU	Load/Unload Device on Equipment
NC	Non-containerized
NX	Boxcar (Interior Bulkheads)
OB	Ocean Vessel (Break Bulk)
OT	Open-Top/Flatbed Trailer
OV	Open Top Van
PL	Container, Platform
PP	Power Pack (A container holding a motor, generator, and fuel tank; used to provide power for refrigerated containers on a double stack train)
PT	Protected Trailer
PU	Pick-Up Truck
RA	Fixed-Rack, Flatbed Trailer (A flatbed trailer with an A-frame)
RC	Refrigerated (Reefer) Car
RD	Fixed-Rack, Double-Drop Trailer (A double-drop flatbed with an A-frame)
RE	Flat Car (End Bulkheads)
RF	Flat Car
RG	Gondola Covered
RI	Gondola Car (Covered-Interior Bulkheads)
RL	Road Railer
RO	Gondola Car (Open)

Code	Description
RR	Rail Car
RS	Fixed-Rack, Single-Drop Trailer (A single-drop flatbed with an A-frame)
RT	Controlled Temperature Trailer (Reefer)
SA	Saddle (Device to stack containers on a rail car)
SC	Service Car
SD	Single-Drop Trailer (A flatbed trailer with one drop deck)
SK	Stack Car
SL	Container, Steel (Container must be made of steel)
SR	STAK-RAK (A device upon which empty chassis may be stacked for movement "en bloc" on a railcar stack train, trailer, or water-borne vessel)
SS	Container with Smooth Sides (Walls in ocean container must be flat/smooth)
ST	Removable Side Trailer
SV	Van-Special Inside Length, Width, or Height Requirements
TA	Trailer, Heated/Insulated/Ventilated
TB	Trailer, Board
TC	Trailer, Car
TF	Trailer, Dry Freight
TG	Trailer, Tank (Gas)
TH	Truck, Open Top High Side
TI	Trailer, Insulated
TJ	Trailer, Tank (Chemicals)
TK	Trailer, Tank (Food Grade-Liquid)
TL	Trailer (Not otherwise specified)
TM	Trailer, Insulated/Ventilated
TN	Tank Car
TO	Truck, Open Top
TP	Trailer, Pneumatic (A specialized trailer with a pneumatic device for loading or unloading)
TQ	Trailer, Electric Heat (A trailer with electric heat to keep product from freezing)
TR	Tractor
TT	Telescoping Trailer
TU	Truck, Open Top Low Side
TV	Truck, Van
TW	Trailer, Refrigerated (A refrigerated trailer capable of keeping product cold. Different from a temperature controlled trailer that is able to keep product at a constant temperature.)
UA	Trilevel Railcar 20 Feet
UB	Trilevel Railcar Screened, Fully Enclosed
UC	Trilevel Railcar Screened, With Roof
UD	Trilevel Railcar Screened, No Roof
UE	Trilevel Railcar Screened, With Doors, No Roof
UL	Unit Load Device (ULD)

Code	Description
UP	Container, Upgraded Container must be upgraded for higher weights)
VA	Container, Vented (Dry container must be vent openings for air exchange)
VE	Vessel, Ocean
VL	Vessel, Lake
VR	Vessel, Ocean, Rollon-Rolloff
VS	Vessel, Ocean, Lash
VT	Vessel, Ocean, Containership
WR	Container with Wavy or Ripple Sides (Walls must be wavy or ripple type)
WY	Railroad Maintenance of Way Car
The third and fourth characters of the code from Appendix I identify the type of container/equipment below.	
General Purpose Container/Equipment	
G0	Opening(s) at one end or both ends.
G1	Passive vents at upper part of cargo space.
G2	Opening(s) at one or both ends plus "full" opening(s) on one or both sides.
G3	Opening(s) at one or both ends plus " partial" opening(s) on one or both sides.
G4	(Spare)
G5	(Spare)
G6	(Spare)
G7	(Spare)
G8	(Spare)
G9	(Spare)
V0	Non-mechanical system vents at lower and upper parts of cargo space.
V1	(Spare)
V2	Mechanical ventilation system located internally.
V4	(Spare)
V5	(Spare)
V6	(Spare)
V7	(Spare)
V8	(Spare)
V9	(Spare)
Dry Bulk Container	
B0	Closed
B1	Airtight
B2	(Spare)
B3	Horizontal discharge, test pressure 1,5 bar.
B4	Horizontal discharge, test pressure 2,65 bar.
B5	Tipping discharge, test pressure 1,5 bar.
B6	Tipping discharge, test pressure 2,65 bar.
B7	(Spare)

Code	Description
B8	(Spare)
B9	(Spare)
Named Cargo Containers	
S0	Livestock carrier
S1	Automobile carrier
S2	Livefish carrier
S3	(Spare)
S4	(Spare)
S5	(Spare)
S6	(Spare)
S7	(Spare)
S8	(Spare)
S9	(Spare)
Thermal Containers	
R0	Mechanically refrigerated
R1	Mechanically refrigerated and heated
R2	Mechanically refrigerated
R3	Mechanically refrigerated and heated
R4	(Spare)
R5	(Spare)
R6	(Spare)
R7	(Spare)
Thermal Containers	
R8	(Spare)
R9	(Spare)
H0	Refrigerated and/or heated with removable equipment appliance located EXTERNALLY. Heat transfer K = 0.4 W/(m^2.K)
H1	Refrigerated and/or heated with removable equipment appliance equipment appliance located INTERNALLY.
H2	Refrigerated and/or heated with removable equipment appliance located EXTERNALLY. Heat transfer K = 0.7 W/(m^2.K)
H3	(Spare)
H4	(Spare)
H5	Insulated. Heat transfer K = 0.4 W/m^2, K)
H6	Insulated. Heat transfer K = 0.7 W/(m^2, K)
H7	(Spare)
H8	(Spare)
H9	(Spare)
Open-Top Containers	
U0	Opening(s) at one or both ends.
U1	Opening(s) at one or both ends, plus removable top member(s) in end frame(s).

Code	Description
U2	Opening(s) at one or both ends, plus opening(s) on one or both sides.
U3	Opening(s) at one or both ends, plus opening(s) on one or both sides plus removable top member(s) in end frame(s).
U4	Openings(s) at one or both ends, plus "partial" opening on one side and "full" opening on the other side.
U5	Open top – no doors.
U6	(Spare)
U7	(Spare)
U8	(Spare)
U9	(Spare)
Platform (Container)	
P0	Platform (container)
P1	With two complete and fixed ends.
P2	With fixed posts, either freestanding or with removable top member.
P3	With folding complete end structure.
P4	With folding posts, either freestanding or with removable top member.
P5	With open top, open ends (skeletal).
P6	(Spare)
P7	(Spare)
P8	(Spare)
P9	(Spare)
Tank Container	
T0	Minimum pressure 0.45 bar.
T1	Minimum pressure 1,5 bar.
T2	Minimum pressure 2,65 bar.
T3	Minimum pressure 1,5 bar.
T4	Minimum pressure 2,65 bar.
T5	Minimum pressure 4,0 bar.
T6	Minimum pressure 6,0 bar.
T7	Minimum pressure 9,1 bar.
T8	Minimum pressure 22 bar.
T9	Minimum pressure (to be developed)