Institute of International Container Lessors

Preferred Electronic Data Interchange Standards (EDIS) for the Container Industry

IICL members recognize that sending and receiving parties may select from a number of EDI vendors or may transmit data files without the facility of an EDI vendor. IICL TB 002 does not endorse any one particular EDI vendor or carrier.

IICL TB 002, Revision May 12, 2022 was prepared under the supervision of the Technical Committee.

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INTRODUCTION

The purpose of the Institute of International Container Lessors' Technical Bulletin 002, "Preferred Electronic Data Interchange Standards (EDIS) for the Container Industry" (IICL TB 002), is to provide Electronic Data Interchange (EDI) users within the container industry with a readily available guideline to EDI. IICL TB 002 does not introduce any <u>new</u> standards, nor does it supercede individual client/supplier operational contractual requirements. IICL TB002 does outline IICL members' "preferred" use of various existing standards and conventions.

This Technical Bulletin has been posted on the Institute's website to benefit the shipping industry, including depots, terminals, shipping lines, leasing companies and EDI vendors. IICL TB 002 is confined to Dry Van and Open Top containers and is intended to offer a "living" guideline that can be easily updated and expanded when required. Other equipment types may be added in subsequent editions.

Users of IICL TB 002 are encouraged to contact IICL with any suggestions or questions concerning the contents of this guideline or other EDI "issues". Please e-mail technical@iicl.org

1. EXTERNAL STANDARDS AND REFERENCES

Current International Standards Organization (ISO) standards that govern container industry Electronic Data Interchange (EDI) are as follows:

1.1 General

ISO 9897:1997(E) provides a system for computer-to-computer communication of commercial transactions related to containers. This document describes the segments and messages used for EDI transmission of container documents developed by Technical Committee ISO/TC104, *Freight containers*, Subcommittee SC 4, *Identification and communication* of the ISO. It consists of a segment directory for the development of messages and list of eight message types suitable for use in commercial container operations.

1.2 References

ISO 9897:1997(E)	Freight containers – Container equipment data exchange (CEDEX) – General communication codes
ISO 4217:2001	Codes for the Representation of Currencies and Funds
ISO 6346:1995	Freight containers – coding, identification and marking
ISO 7372:1993	Trade data interchange
ISO 9735:2002	Electronic data interchange for administration, commerce and transport (EDIFACT)
	Application level syntax rules
	UN/EDIFACT Segments Directory (Issue 88.1)
	UN/EDIFACT Data Elements Directory (Issue 89.1)
	UN/EDIFACT Composites Directory (Issue 88.1)
	UN/EDIFACT Code List Directory (Issue 88.1)

1.3 Data Elements

Codes for various characteristics of containers that are relevant to the messages described herein are presented in the ISO 9897:1997(E) Annexes:

Data Element	Annex	Data Element	Annex
Damage location	C	Components of container (includes component illustrations)	K
Damage types	D	General Purpose Containers	K.1
Material types	E	Applicable to Marking	K.4
Repair type	F	Thermal Containers	K.5
Measure unit specifier; repair size dimension and work scales	G	Refrigeration Units	K.6

Responsibility (for repair action)	H	Tank Containers	K.7
Party identification and location	J	Generator Sets & Engines	K.8
		Components of chassis	L
		Alphabetical list of CEDEX codes	M

2. MESSAGE TYPES: ANSI and EDIFACT

Over the years, the container industry has embraced two types of message formats to send electronic data:

ANSI: a simple "flat text file (see glossary under "flat file" for definition) with messages of fixed length. See Section 2.1 following for details.

EDIFACT: messages that utilize segments and data elements. See Section 2.2 following for details.
NOTE: A significant advantage of the EDIFACT format is that it does not require a fixed length of message and it is only necessary to send the specific date segments required.

2.1   ANSI Message Types

The ANSI format requires specific message types, e.g., GATEIN. Some messages are split into two flat files: one for "header" information and one for "detail" information, e.g., WESTIM is actually sent as WESTIM (header information) and WESTIMDT (line item detail). The four message types described below are currently in widespread use in the container industry: GATEIN, GATOUT,   WESTIM, and WESTIMDT.

2.1.1   Text File Structure for GATEIN

#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
1	COMPLETE	1	1	L	Confirms document completed
2	SENT_EIR	2	1	L	Flags F/T before/after send session
3	SENT_DATE	3	8	D	Date message sent
4	REC_EIR	11	1	L	Flags F/T before/after send session
5	REC_DATE	12	8	D	Date message received
6	REC_ADDR	20	9	C	9 digit code of receiving party
7	REC_TYPE	29	1	C	1 digit type code of receiving party
8	EXPORTED	30	1	L	Default F, flags T after export
9	EXPOR_DATE	31	8	D	Date of Export
10	IMPORTED	39	1	L	Default F, flags T after import
11	IMPOR_DATE	40	8	D	Date of Import
12	TRNSXN	48	14	C	EIR Number
13	ADVICE	62	14	C	ACCEPTANCE ADVICE number
14	UNIT_ID_A	76	4	C	e.g.: CONU – prefix
15	UNIT_ID_N	80	6	C	e.g.: 123456 - unit number
16	UNIT_ID_C	86	1	C	e.g.: 1 - check digit
17	EQUIP_TYPE	87	3	C	CON, CHZ or GEN

#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
18	EQUIP_DESC	90	30	C	Text description
19	EQUIP_CODE	120	4	C	ISO Code
20	CONDITION	124	10	C	Text description e.g.: DAMAGED
21	COMP_ID_A	134	4	C	Companion Unit Prefix
22	COMP_ID_N	138	6	C	Companion Unit Number
#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
23	COMP_ID_C	144	1	C	Companion Unit Check-Digit
24	COMP_TYPE	145	3	C	Companion Unit Type
25	COMP_DESC	148	30	C	Companion Unit Description
26	COMP_CODE	178	4	C	Companion Unit Code
27	EIR_DATE	182	8	D	Date of EIR (YYYYMMDD)
28	EIR_TIME	190	5	C	Time of EIR (24 hr - local time)
29	REFERENCE	195	35	C	Customer Reference
30	MANU_DATE	230	5	C	Date of Manufacture (MM/YY)
31	MATERIAL	235	2	C	Material
32	WEIGHT	237	10	N	e.g.: 24000
33	MEASURE	247	3	C	e.g.: MGW - Maximum Gross Weight
34	UNITS	250	3	C	e.g.: KGM
35	CSC_REEXAM	253	5	C	ACEP or MM/YY
36	COUNTRY	258	2	C	Chassis license country
37	LIC_STATE	260	2	C	Chassis license state
38	LIC_REG	262	8	C	Chassis license number
39	LIC_EXPIRE	270	5	C	Chassis license expiration MM/YY
40	LSR_OWNER	275	9	C	Lessor Code
41	SEND_EDI_1	284	1	L	T/F for send
42	SSL_LSE	285	9	C	Lessee Code
43	SEND_EDI_2	294	1	L	T/F for send
44	HAULIER	295	9	C	Trucker Code
45	SEND_EDI_3	304	1	L	T/F for send
46	DPT_TRM	305	9	C	Depot Code
47	SEND_EDI_4	314	1	L	T/F for send
48	OTHER1	315	9	C	Other EDI addressee
49	OTHER2	324	9	C	Other EDI addressee
50	OTHER3	333	9	C	Other EDI addressee
51	OTHER4	342	9	C	Other EDI addressee
52	NOTE	351	70	C	Free Text
53	NOTE	421	70	C	Free Text
54	LOAD	491	1	C	Load Status
55	FHWA	492	1	L	FHWA required (F/T)
56	LAST_OH_LOC	493	9	C	Last On-Hire Location
57	LAST_OH_DATE	502	8	D	Last On-Hire Date
58	SENDER	510	15	C	Person sending message
59	ATTENTION	525	15	C	Person receiving message
60	REVISION	540	1	N	Revision number of EIR
61	SEND_EDI_5	541	1	L	T/F for send
62	SEND_EDI_6	542	1	L	T/F for send
63	SEND_EDI_7	543	1	L	T/F for send
64	SEND_EDI_8	544	1	L	T/F for send
65	SEAL_PARTY[1]	545	3	C	Seal Party

#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
66	SEAL_NUMBER[1]	548	15	C	Seal Number
67	SEAL_PARTY[2]	563	3	C	Seal Party
68	SEAL_NUMBER[2]	566	15	C	Seal Number
69	SEAL_PARTY[3]	581	3	C	Seal Party
70	SEAL_NUMBER[3]	584	15	C	Seal Number
#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
71	SEAL_PARTY[4]	599	3	C	Seal Party
72	SEAL_NUMBER[4]	602	15	C	Seal Number
73	PORT_FUNC_CODE	617	3	C	Port Function Code
74	PORT_NAME	620	24	C	Port Name
75	VESSEL_NAME	644	35	C	Vessel Name
76	VOYAGE_NUM	679	17	C	Voyage Number
77	HAZ_MAT_CODE	696	10	C	Hazardous Material Code
78	HAZ_MAT_DESC	706	70	C	Hazardous Material Description
79	NOTE	776	70	C	Free Text
80	NOTE	846	70	C	Free Text
81	NOTE	916	70	C	Free Text
82	COMP_ID_A2	986	4	C	Companion Unit Number
83	COMP_ID_N2	990	6	C	Companion Unit Number
84	COMP_ID_C2	996	1	C	Companion Unit Number
85	COMP_TYPE2	997	3	C	Equipment Type of Companion Unit
86	COMP_CODE2	1000	4	C	Companion Equipment Code
87	COMP_DESC2	1004	30	C	Description for Companion Unit
88	SHIPPER	1034	35	C	Shipper Code or Name
89	DRAY_ORDER	1069	35	C	Unused
90	RAIL_ID	1104	17	C	Rail ID
91	RAIL_RAMP	1121	17	C	Rail Ramp Location
92	VESSEL_CODE	1138	9	C	Vessel Identification Code
93	WGHT_CERT	1147	70	C	Weight Certification Free Text
94	WGHT_CERT	1217	70	C	Weight Certification Free Text
95	WGHT_CERT	1287	70	C	Weight Certification Free Text
96	SEA_RAIL	1357	1	L	Ship or Train
97	LOC_IDENT	1358	25	C	Port Number
98	PORT_LOC_QUAL	1383	2	C	Port Location Qualifier
**	Total	**	1384		

2.1.2   Text File Structure for GATOUT

#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
1	COMPLETE	1	1	L	Confirms document completed
2	SENT_EIR	2	1	L	Flags F/T before/after send session
3	SENT_DATE	3	8	D	Date message sent (YYYYMMDD)-
4	REC_EIR	11	1	L	Flags F/T before/after send session
5	REC_DATE	12	8	D	Date received (YYYYMMDD)
6	REC_ADDR	20	9	C	9 digit code of receiving party
7	REC_TYPE	29	1	C	1 digit type code of receiving party
8	EXPORTED	30	1	L	Default F, flags T after export
9	EXPOR_DATE	31	8	D	Date of Export

#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
10	IMPORTED	39	1	L	Default F, flags T after import
11	IMPOR_DATE	40	8	D	Date of Import
12	TRNSXN	48	14	C	EIR Number
13	ADVICE	62	14	C	RELEASE ADVICE number
14	UNIT_ID_A	76	4	C	e.g.: CONU - prefix
#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
15	UNIT_ID_N	80	6	C	e.g.: 123456 - unit number
16	UNIT_ID_C	86	1	C	e.g.: 1 - check digit
17	EQUIP_TYPE	87	3	C	CON, CHZ or GEN
18	EQUIP_DESC	90	30	C	Text description
19	EQUIP_CODE	120	4	C	ISO Code
20	CONDITION	124	10	C	Text description e.g.: DAMAGED
21	COMP_ID_A	134	4	C	Companion Unit Prefix
22	COMP_ID_N	138	6	C	Companion Unit Number
23	COMP_ID_C	144	1	C	Companion Unit Check-Digit
24	COMP_TYPE	145	3	C	Companion Unit Type
25	COMP_DESC	148	30	C	Companion Unit Description
26	COMP_CODE	178	4	C	Companion Unit Code
27	EIR_DATE	182	8	D	Date of EIR
28	EIR_TIME	190	5	C	Time of EIR (24 hr - local time)
29	REFERENCE	195	35	C	Customer Reference
30	MANU_DATE	230	5	C	Date of Manufacture (MM/YY)
31	MATERIAL	235	2	C	Material
32	WEIGHT	237	10	N	e.g.: 24000
33	MEASURE	247	3	C	e.g.: MGW - Maximum Gross Weight
34	UNITS	250	3	C	e.g.: KGM
35	CSC_REEXAM	253	5	C	ACEP or MM/YY
36	COUNTRY	258	2	C	Chassis license country
37	LIC_STATE	260	2	C	Chassis license state
38	LIC_REG	262	8	C	Chassis license number
39	LIC_EXPIRE	270	5	C	Chassis license expiration MM/YY
40	LSR_OWNER	275	9	C	Lessor Code
41	SEND_EDI_1	284	1	L	T/F for send
42	SSL_LSE	285	9	C	Lessee Code
43	SEND_EDI_2	294	1	L	T/F for send
44	HAULIER	295	9	C	Trucker Code
45	SEND_EDI_3	304	1	L	T/F for send
46	DPT_TRM	305	9	C	Depot Code
47	SEND_EDI_4	314	1	L	T/F for send
48	OTHER1	315	9	C	Other EDI addressee
49	OTHER2	324	9	C	Other EDI addressee
50	OTHER3	333	9	C	Other EDI addressee
51	OTHER4	342	9	C	Other EDI addressee
52	NOTE1	351	70	C	Free Text
53	NOTE2	421	70	C	Free Text
54	LOAD	491	1	C	Load Status
55	FHWA	492	1	L	Unused
56	LAST_OH_LOC	493	9	C	Unused
57	LAST_OH_DATE	502	8	D	Unused

#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
58	SENDER	510	15	C	Person sending message
59	ATTENTION	525	15	C	Person receiving message
60	REVISION	540	1	N	Revision number of EIR
61	SEND_EDI_5	541	1	L	T/F for send
62	SEND_EDI_6	542	1	L	T/F for send
#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
63	SEND_EDI_7	543	1	L	T/F for send
64	SEND_EDI_8	544	1	L	T/F for send
65	SEAL_PARTY[1]	545	3	C	Seal Party
66	SEAL_NUMBER[1]	548	15	C	Seal Number
67	SEAL_PARTY[2]	563	3	C	Seal Party
68	SEAL_NUMBER[2]	566	15	C	Seal Number
69	SEAL_PARTY[3]	581	3	C	Seal Party
70	SEAL_NUMBER[3]	584	15	C	Seal Number
71	SEAL_PARTY[4]	599	3	C	Seal Party
72	SEAL_NUMBER[4]	602	15	C	Seal Number
73	PORT_FUNC_CODE	617	3	C	Port Function Code
74	PORT_NAME	620	24	C	Port Name
75	VESSEL_NAME	644	35	C	Vessel Name
76	VOYAGE_NUM	679	17	C	Voyage Number
77	HAZ_MAT_CODE	696	10	C	Hazardous Material Code
78	HAZ_MAT_DESC	706	70	C	Hazardous Material Description
79	NOTE	776	70	C	Free Text
80	NOTE	846	70	C	Free Text
81	NOTE	916	70	C	Free Text
82	COMP_ID_A2	986	4	C	Companion Unit Number
83	COMP_ID_N2	990	6	C	Companion Unit Number
84	COMP_ID_C2	996	1	C	Companion Unit Check-Digit
85	COMP_TYPE2	997	3	C	Equipment Type of Companion Unit
86	COMP_CODE2	1000	4	C	Companion Equipment Code
88	SHIPPER	1034	35	C	Shipper Code or Name
89	DRAY_ORDER	1069	35	C	Drayage Order
90	RAIL_ID	1104	17	C	Rail ID
91	RAIL_RAMP	1121	17	C	Rail Ramp Location
92	VESSEL_CODE	1138	9	C	Vessel Identification Code
93	WGHT_CERT	1147	70	C	Weight Certification Free Text
94	WGHT_CERT	1217	70	C	Weight Certification Free Text
95	WGHT_CERT	1287	70	C	Weight Certification Free Text
96	SEA_RAIL	1357	1	L	Train or Boat
97	BILL_LADING	1358	35	C	Bill of Lading ID Number
98	LOC_IDENT	1393	25	C	Port Number
99	PORT_LOC_QUAL	1418	2	C	Port Location Qualifier
**	Total	**	1419		

2.1.3   Text File Structure for WESTIM

#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
1	COMPLETE	1	1	L	Confirms document completed
2	SENT_EIR	2	1	L	Flags F/T before/after send session

#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
3	SENT_DATE	3	8	D	Date message sent
4	REC_EIR	11	1	L	Flags F/T before/after send session
5	REC_DATE	12	8	D	Date received
6	REC_ADDR	20	9	C	9 digit code of receiving party
7	REC_TYPE	29	1	C	1 digit type code of receiving party
#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
8	EXPORTED	30	1	L	Default F, flags T after export
9	EXPOR_DATE	31	8	D	Date of Export
10	IMPORTED	39	1	L	Default F, flags T after import
11	IMPOR_DATE	40	8	D	Date of Import
12	TRNSXN	48	14	C	Estimate Number
13	PTY_RSPONS	62	1	C	to identify party responsible for repair
14	REVISION	63	1	C	Revision number of estimate
15	ESTIM_DATE	64	8	D	Date of estimate
16	UNIT_ID_A	72	4	C	e.g.: CONU – prefix
17	UNIT_ID_N	76	6	C	e.g.: 123456 - unit number
18	UNIT_ID_C	82	1	C	e.g.: 1 - check digit
19	REFERENCE	83	35	C	Customer Reference
20	EQUIP_TYPE	118	3	C	CON, CHZ or GEN
21	EQUIP_CODE	121	4	C	ISO Code
22	EQUIP_DESC	125	30	C	Text description
23	TERM_LOCA	155	9	C	Location of redelivery (depot code)
24	TERM_DATE	164	8	D	Date of redelivery
25	TERM_TIME	172	5	C	Time of redelivery (24 hr - local time)
26	LASTOHLOC	177	9	C	Last On Hire Location (depot code)
27	LASTOHDAT	186	8	D	Last On Hire Date
28	CONDITION	194	10	C	Condition at time of redelivery
29	MANU_DATE	204	5	C	Date of Manufacture (MM/YY)
30	CSC_REEXAM	209	5	C	ACEP or MM/YY
31	LOAD	214	1	C	1 digit status indicator
32	SENDER	215	15	C	Person sending the message
33	ATTENTION	230	15	C	Person to whom message is sent (text)
34	LSR_OWNER	245	9	C	Lessor Code
35	SEND_EDI_1	254	1	L	T/F for send
36	SSL_LSE	255	9	C	Lessee Code
37	SEND_EDI_2	264	1	L	T/F for send
38	HAULIER	265	9	C	Trucker Code
39	SEND_EDI_3	274	1	L	T/F for send
40	DPT_TRM	275	9	C	Depot Code
41	SEND_EDI_4	284	1	L	T/F for send
42	INSURER	285	9	C	Code for Insurance Company
43	SURVEYOR	294	9	C	Code for Survey Company
44	OTHER1	303	9	C	Other EDI addressee
45	TAX_RATE	312	6,3	N	Tax Rate
46	FILLER	318	3	C	Special Use
47	NOTE1	321	70	C	Free Text
48	NOTE2	391	70	C	Free Text
49	NOTE3	461	70	C	Free Text
50	BAS_CURR	531	3	C	Base currency for estimates

#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
51	LABOR_RATE	534	12,2	N	Labor rate
52	DPP_CURR	546	3	C	Currency for DPP
53	DPP_AMT	549	10	N	Actual DPP coverage amount
54	WEIGHT	559	10	N	e.g.: 24000
55	MEASURE	569	3	C	e.g.: MGW - Maximum Gross Weight
#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
56	UNITS	572	3	C	e.g.: KGM
57	MATERIAL	575	2	C	Material
58	U_LABOR	577	10,2	N	Labor cost for USER/LESSEE
59	U_MATERIAL	587	10,2	N	Material cost for USER/LESSEE
60	U_HANDLING	597	10,2	N	Handling cost for USER/LESSE617E
61	U_TAX	607	10,2	N	Tax for USER/LESSEE
62	U_TOTAL	617	10,2	N	Total cost for USER/LESSEE
63	I_LABOR	627	10,2	N	Labor cost for INSURER (DPP)
64	I_MATERIAL	637	10,2	N	Material cost for INSURER (DPP)
65	I_HANDLING	647	10,2	N	Handling cost for INSURER (DPP)
66	I_TAX	657	10,2	N	Tax for INSURER (DPP)
67	I_TOTAL	667	10,2	N	Total cost for INSURER (DPP)
68	O_LABOR	677	10,2	N	Labor cost for OWNER/LESSOR
69	O_MATERIAL	687	10,2	N	Material cost for OWNER/LESSOR
70	O_HANDLING	697	10,2	N	Handling cost for OWNER/LESSOR
71	O_TAX	707	10,2	N	Tax for OWNER/LESSOR
72	O_TOTAL	717	10,2	N	Total cost for OWNER/LESSOR
73	D_LABOR	727	10,2	N	Labor cost for DEPOT
74	D_MATERIAL	737	10,2	N	Material cost for DEPOT
75	D_HANDLING	747	10,2	N	Handling cost for DEPOT
76	D_TAX	757	10,2	N	Tax for DEPOT
77	D_TOTAL	767	10,2	N	Total cost for DEPOT
78	S_LABOR	777	10,2	N	Special billing labor cost for SURVEYOR
79	S_MATERIAL	787	10,2	N	Special billing material cost for SURVEYOR
80	S_HANDLING	797	10,2	N	Special billing handling cost for SURVEYOR
81	S_TAX	807	10,2	N	Special billing tax for SURVEYOR
82	S_TOTAL	817	10,2	N	Special billing total cost for SURVEYOR
83	X_LABOR	827	10,2	N	Deleted
84	X_MATERIAL	837	10,2	N	Deleted material cost for TERMINAL
85	X_HANDLING	847	10,2	N	Deleted handling cost for TERMINAL
86	X_TAX	857	10,2	N	Deleted tax for TERMINAL
87	X_TOTAL	867	10,2	N	Deleted total cost for TERMINAL
88	EST_TOTAL	877	10,2	N	Estimate grand total
89	ADVICE	887	14	C	Acceptance Advice Number
90	EIR_NUM	901	14	C	EIR Receipt Number
91	AUTH_NUM	915	14	C	Work Authorization Number
92	AUTH_AMT	929	10,2	N	Work Authorization Amount
93	AUTH_PTY	939	9	C	Authorizing Party Code
94	AUTH_DATE	948	8	D	Approval Date
95	O_ESTIM_DATE	956	8	D	Original Date of Estimate
96	OTHER2	964	9	C	Send FAX to Address

#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
97	SEND_EDI_5	973	1	L	T/F for send
98	SEND_EDI_6	974	1	L	T/F for send
99	SEND_EDI_7	975	1	L	T/F for send
100	SEND_EDI_8	976	1	L	T/F for send
101	NOTE	977	70	C	Free Text
#	**NAME**	**POSITION**	**WIDTH**	**TYPE**	**DESCRIPTION**
102	NOTE	1047	70	C	Free Text
103	WEIGHT2	1117	7	N	Weight Number 2
104	MEASURE2	1124	3	C	Measure Number 2
105	INVOICE_TYPE	1127	2	C	P1 = power, T1 = tire, O1 = other
106	ODOMETER_HOURS	1129	6	N	Odometer reading
107	OUTSVC_DATE	1135	8	D	Out of service date
108	RETSVC_DATE	1143	8	D	Return to service date
109	OWN_INSP_DATE	1151	8	D	Owner Inspection Date
110	MECHANIC_NAME	1159	25	C	Mechanics Name
111	BILLEE_CODE	1184	15	C	Code assigned by railroad
112	SUB_REPAIR_TYPE	1199	1	C	Sub repair type code
113	OUT_SVC_TIME	1200	5	N	Time unit went out of service
114	RET_SVC_TIME	1205	5	N	Time unit returned to service
**	Total	**	1209		

2.1.4 Text File Structure for: WESTIMDT

#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
1	EXPORTED	1	1	L	Default F, flags T after export
2	EXPOR_DATE	2	8	D	Date of Export
3	IMPORTED	10	1	L	Default F, flags T after import
4	IMPOR_DATE	11	8	D	Date of Import
5	TRNSXN	19	14	C	ESTIMATE number
6	REVISION	33	1	C	Revision number
7	ESTIM_DATE	34	8	D	Date of document
8	UNIT_ID_A	42	4	C	e.g.: CONU – prefix
9	UNIT_ID_N	46	6	C	e.g.: 123456 - unit number
10	UNIT_ID_C	52	1	C	e.g.: 1 - check digit
11	REFERENCE	53	49	C	Unused
12	LABOR_RATE	102	15,2	N	Labor rate
13	LINE	117	2	C	Line item number
14	REPAIR	119	2	C	Repair code
15	REPEATS	121	3	N	Quantity - number of damages
16	DAMAGE	124	2	C	Damage code
17	COMPONENT	126	3	C	Component code
18	COMP_MATL	129	2	C	Component material
19	LOCATION	131	4	C	Location code
20	LENGTH	135	8,2	N	Length dimension
21	WIDTH	143	8,2	N	Width dimension
22	HEIGHT	151	8,2	N	Height dimension
23	UNITS	159	3	C	Unit of measure
24	HOURS	162	6,2	N	Hours for line item
25	SCALE	168	2	N	Work scale (05,10,15, etc.)

#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
26	MAT_COST	170	15,2	N	Line item material cost
27	PTY_RSPONS	185	1	C	Party responsible for line item
28	TAX_RULE	186	1	C	Repair Taxation Scope
29	AAR_JOB	187	4	C	AAR Job Code (from Component in db)
30	JOBCODE	191	9	C	Tariff Job Code
#	NAME	POSITION	WIDTH	TYPE	DESCRIPTION
31	DMGREPDESC	200	60	C	Composite Damage, Repair, Component Description
32	OFF_TIRE_SIZE	260	10	C	Size of tire removed
33	OFF_BRAND	270	10	C	Brand of tire removed
34	OFF_SERIAL_NUM	280	15	C	Serial number (DOT) of tire removed
35	OFF_LOT_NUM	295	8	C	Lot number of tire removed
36	OFF_TREAD_DEPTH	303	1	N	Tread depth of tire removed
37	ON_TIRE_SIZE	304	10	C	Size of tire put on
38	ON_BRAND	314	10	C	Brand of tire put on
39	ON_SERIAL_NUM	324	15	C	Serial number (DOT) of tire put on
40	ON_LOT_NUM	339	8	C	Lot number of tire put on
41	ON_TREAD_DEPTH	347	1	N	Tread depth of tire put on
42	SUPPLYTIRE	348	1	L	T if Supply Tire used
43	SUPPLYTIREAMT	349	8,2	N	Supply Tire monetary amount
44	ON_RETREAD_SER	357	15	C	Retread Serial number of tire put on
45	OFF_RETREAD_SER	372	15	C	Retread Serial number of tire removed
**	Total	**	386		

2.2   EDIFACT Message Types

Below is a list of recognized EDIFACT message types (ISO 9735:2002):

ACCEPT: ACCEPTANCE ADVICE authorized DEPOT to accept equipment from LESSEE, OWNER or agent. Copy to LESSEE confirms a previous Termination Request.

CODECO: Status change similar to gate-in and gate-out.

COPARN:
- Confirmation to on-hire or off-hire equipment.
- Sent by shipping company to initiate termination of the lease of equipment.
- Sent by leasing company to shipping line and depot confirming the termination of a lease.
- Sent by shipping company to initiate a contract to lease equipment.
- Sent by leasing company to shipping line and depot confirming the commencement of a lease.

DESTIM: Description of damage and repair methods, authorization for repair works to proceed.

GATEIN*: EIR/GATE IN advises OWNER and/or LESSEE that equipment has been redelivered (previously OFHIRI).

GATOUT*: EIR/GATE IN advises OWNER and/or LESSEE that equipment has been redelivered (previously ONHIRI).

RELEAS: RELEASE ADVICE authorized DEPOT to release equipment to LESSEE/OWNER or agent (trucker). Copy to LESSEE confirms a previous Booking Request.

TERMIN: TERMINATION REQUEST functions as an inquiry from the LESSEE to the LESSOR concerning redelivery of equipment in a given port or DEPOT.

WESTIM*: REPAIR ESTIMATE transmits details of damage and repair to OWNER and/or LESSEE.

WINVOI: WORK INVOICE transmits invoice for repairs to OWNER and/or LESSEE.

WORDER: WORK AUTHORIZATION authorizes the DEPOT to proceed with repairs.

* This web site focuses on **GATEIN, GATOUT, WESTIM,** which are the message types currently in widespread use within the container industry.

2.2.1   Sample Edifact message file

```
UNH+CSIDEVNSA20006+GATEIN:0+TEST1+0'
DTM+ATR+980424:0000'
RFF+ACC+TEST1'
RFF+EIR+JJJJJJSA20006'
NAD+LED+TESTTPARA'
EQF+CON+RWCU:1234567+2210:20x8.5 Passive Ve+MGW:0:KGM'
ERI+SK+MAN:01'
CUI++TRM:980424'
UNT+9+JJJJJJA20006'
UNH+JJJJJJSA20008+GATOUT:0+TEST3+0'
DTM+ATR+980424:0000'
RFF+REL+TEST3'
RFF+EIR+CSIDEVNSA20008'
NAD+LED+TESTTPARA'
EQF+CON+RWCU:1234567+2210:20x8.5 Passive Ve+MGW:0:KGM'
ERI+SK+MAN:01'
CUI++TRM:980424'
UNT+9+CSIDEVNSA20008'

UNH+TESTMSG00159+WESTIM:0+.+0'
DTM+ATR+980415'
RFF+ADV+REF IN'
RFF+EST+TESTMSG001590+980415'
ACA+FRF+STD:0'
ACA+USD+DPP:0'
LBR+100.00'
NAD+LED+CSIDEVNSA'
NAD+DED+TESTTPARA'
CTA+FR+:MARK'
CTA+TO+:MR TAN'
EQF+CON+TEST:0000000+2210:20 DRY AERE+MGW:0:KGM'
ERI+SK+MAN:01+ACEP'
ECI+D'
CUI+++E'
DAM+01+BL1N+ARD+BR+SK'
WOR+AB+MMT:0:0:0+1'
COS+00+1.00+15.00+U+100.00+N'
DAM+02+BL2N+CFG+BR+SK'
WOR+BU+MMT:1200.00:0:0+1'
COS+00+1.00+300.00+U+100.00+N'
CTO+U+200.00+315.00+0+0+515.00'
TMA+515.00'
UNT+24+TESTMSG00159'
```

2.2.2 EDIFACT Segment Definitions

2.2.2.1 UNB Segment -- Interchange Header
Function: to start, identify and specify an Interchange

Size Legend:
a	= alpha character(s)	
n	= numeric character(s)	
an	= alphanumeric character(s)	
..	= size is variable, up to the maximum number indicated	

Ref. #	Data Element Name	Status	Size	Description
S001	SYNTAX IDENTIFIER	Mandatory		
0001	SYNTAX ID	Mandatory	a4	
0002	SYNTAX version number	Mandatory	n1	
S002	INTERCHANGE SENDER	Mandatory		
0004	Sender ID	Mandatory	a9	See ISO 9897Annex J
0007	ID code qualifier	Conditional	an2	
0008	Address for reverse routing	Conditional	an..14	
S003	INTERCHANGE RECIPIENT	Mandatory		
0010	Recipient ID	Mandatory	a9	See ISO 9897 Annex J
0007	ID code qualifier	Conditional	an2	
0014	Routing address	Conditional	an..14	
S004	DATE/TIME OF REPARATION	Mandatory		
0017	Date of preparation	Mandatory	n6	
0019	Time of preparation	Mandatory	n4	
0020	INTERCHANGE CONTROL REFERENCE	Mandatory	an..14	
S005	RECIPIENT'S REF/PASSWORD	Conditional		
0022	Recipient's ref./password	Mandatory	an..14	
0025	Recipient's ref./password qualifier	Conditional	an2	
0026	APPLICATION REFERENCE	Conditional	an..14	
0029	PROCESSING PRIORITY CODE	Conditional	al	
0031	ACKNOWLEDGMENT REQUEST	Conditional	n1	
0032	COMMUNICATIONS AGREEMENT ID	Conditional	an..35	
0035	TEST INDICATOR	Conditional	n1	

2.2.2.2   UNH Segment -- Message Header
Function: to head, identify and specify a Message

Size Legend: a   = alpha character(s)
               n   = numeric character(s)
               an   = alphanumeric character(s)
               ..   = size is variable, up to the maximum number indicated

Ref. #	Data Element Name	Status	Size	Description
0062	MESSAGE REFERENCE NUMBER	Mandatory	an..14	Sender's unique message reference, i.e., estimate, EIR or advice number
S009	MESSAGE IDENTIFIER	Mandatory		
0065	Message type identifier	Mandatory	an..6	Type of message transmitted
0052	Message type version number	Mandatory	n..3	Version number of message
0054	Message type release number	Conditional	n..3	
0051	Controlling agency code	Conditional	n..2	
0068	COMMON ACCESS REFERENCE	Conditional	an..35	Key to relate all subsequent transfers of data to the same business file, e.g., customer contract code, etc.
S010	STATUS OF TRANSFER	Conditional		
0070	Sequence message transfer number	Mandatory	n1	Revision number of message

2.2.2.3   DTM Segment -- Date/Time Reference
Function: to specify date, and/or time, or period

Ref. #	Data Element Name	Status	Size	Description
2005	DATE/TIME QUALIFIER	Mandatory	an..3	ATR = Actual Transaction
2001	DATE, CODED	Conditional	n6	YYMMDD
2002	TIME	Conditional	n4	HHMM
2461	TIME ZONE SPECIFIER, CODED	Conditional	an3	

2.2.2.4   RFF Segment -- References
Function: to specify identifying numbers associated with a message

Size Legend: a   = alpha character(s)
              n   = numeric character(s)
              an   = alphanumeric character(s)
              ..   = size is variable, up to the maximum number indicated

Ref. #	Data Element Name	Status	Size	Description
1153	REFERENCE QUALIFIER	Mandatory	an..3	EST = Estimate AUT = Authorization ACC = Acceptance REL = Release EIR = Gate In ADV = Advice
C274	REFERENCE	Mandatory		
1154	Reference Number 1	Mandatory	an..35	(From UNH Segment) Estimate Number *or* Authorization Number *or* Acceptance Number *or* Release Number
	Line Number	Conditional		(not used)
C033	DATE/TIME OF REFERENCE	Conditional		
2001	Date	Conditional	n6	YYMMDD
2002	Time	Conditional	n4	HHMM (24 hour)
C282	PERIOD	Conditional		Start/end of period
2001	Date	Mandatory	n6	Start date
2001	Date	Conditional	n6	End date

2.2.2.5   ACA Segment -- Alternative Currency Amounts
Function: to indicate the labor rate.

Ref. #	Data Element Name	Status	Size	Description
6345	CURRENCY, CODED	Conditional	a3	e.g.: USD
C275	ALTERNATIVE CURRENCY	Conditional		
6343	Currency qualifier	Conditional	an..3	STD= standard (labor, tax materials), *or* DPP= DPP coverage
5004	Monetary Amount	Conditional	n..9	Actual amount *

* Note: Up to six digits to the *left* and two to the *right* of the decimal.

2.2.2.6 LBR Segment – Labor
Function: to indicate the labor rate

Size Legend: a   = alpha character(s)
               n   = numeric character(s)
               an   = alphanumeric character(s)
               ..   = size is variable, up to the maximum number indicated

Ref. #	Data Element Name	Status	Size	Description
8578	LABOR RATE	Conditional	n..9	Labor cost per hour*

*Note: Up to six digits to the *left* and two to the *right* of the decimal.

2.2.2.7 EQF Segment – Equipment Details
Function: to identify a unit of equipment

Ref. #	Data Element Name	Status	Size	Description
8053	EQUIPMENT QUALIFIER	Mandatory	an..3	CON = Container CHZ = Chassis GEN = Genset REF = Reefer TNK = Tanker
C271	EQUIPMENT	Conditional		
8114	Equipment ID prefix	Conditional	an..4	
8260	Unit/Container ID	Conditional	an..7	6 serial + 1 check
C224	EQUIPMENT SIZE AND TYPE	Conditional		
8155	Size/type code	Conditional	an..4	ISO Code
8154	Size/type text	Conditional	an..35	Text
C272	EQUIPMENT WEIGHT	Conditional		
6153	Weight qualifier	Conditional	an..3	e.g., MGW=Maximum Gross Weight
6150	Weight	Conditional	n..15	
6410	Measure Units Code	Conditional	an..3	e.g., KGM=Kilograms
C186	QUANTITY INFORMATION			Used in TERMIN
6063	Quantity qualifier	Conditional	an..3	TOT = total units OUT = outstanding units
6060	Quantity	Mandatory	n..15	
6410	Measure unit specifier	Conditional	an..3	

2.2.2.8 NAD Segment – Name And Address
Function: to specify the name/address and their related function.

Size Legend: a   = alpha character(s)
              n   = numeric character(s)
              an = alphanumeric character(s)
              .. = size is variable, up to the maximum number indicated

Ref. #	Data Element Name	Status	Size	Description
3035	PARTY QUALIFIER	Mandatory	an..3	Party function within a container transaction
C082	PARTY ID	Mandatory		
3039	Party ID code	Mandatory	a9	See ISO 9897 Annex J
1131	Party code list	Conditional	an2	

2.2.2.9 CTA Segment – Contact
Function: to identify a person or a department to whom communication should be directed

Ref. #	Data Element Name	Status	Size	Description
3139	CONTACT FUNCTION, code	Mandatory	an2	TO=Specific recipient FR=Authorized sender
C056	DEPARTMENT OR EMPLOYEE ID	Conditional		
3413	Department or Employee code	Conditional	an..15	Coded name of signer
3412	Department or Employee name	Conditional	an..35	Text

2.2.2.10 ERI Segment – Equipment Related Information
Function: to give additional information on the equipment

Ref. #	Data Element Name	Status	Size	Description
8511	MATERIAL	Conditional	a2	Main construction material (ISO 9897 Annex E)
C276	DATE	Conditional		
2055	Date/Time qualifier	Conditional	a3	MAN=Manufacture date
2001	Date	Conditional	n..6	YYMMDD ("01" if no date specified)
2002	Time	Conditional	n4	HHMM
8580	CSC REEXAMINATION	Conditional	an4	YYMM or "ACEP"

2.2.2.11 CUI Segment – Current Usage Information
Function: to give information about current usage of the equipment

Size Legend: a   = alpha character(s)
               n   = numeric character(s)
               an   = alphanumeric character(s)
               ..   = size is variable, up to the maximum number indicated

Ref. #	Data Element Name	Status	Size	Description
C559	TRANSACTION LOCATION	Conditional		
3227	Location qualifier	Mandatory	a3	TRM=Termination PON=Previous on-hire
3225	Location code	Mandatory	a9	See ISO 9897 Annex J
1131	Location code list code	Conditional	an2	
C276	DATE			
2005	Date/Time qualifier	Conditional	a3	TRM=Termination PON=Previous on-hire
2001	Date	Conditional	n6	YYMMDD
2002	Time	Conditional	n4	HHMM
8533	FULL/EMPTY INDICATOR	Conditional	a1	E=empty L=full or <blank>
C186	QUANTITY INFORMATION	Conditional		
6063	Quantity qualifier	Conditional	an..3	TOT=total units
6060	Quantity	Mandatory	n..15	
6410	Measure unit specifier	Conditional	an..3	

2.2.2.12 ECI Segment – Equipment Condition Information
Function: to give equipment condition information

Ref. #	Data Element Name	Status	Size	Description
8521	CONSOLIDATED CONDITION	Conditional	an..10	Text

2.2.2.13 DAM Segment – Damage Location ID
Function: to specify damage including action taken

Ref. #	Data Element Name	Status	Size	Description
1082	LINE NUMBER	Conditional	n..2	
8522	DAMAGE LOCATION CODE	Conditional	an..4	See ISO 9897 Annex C
8523	COMPONENT CODE	Conditional	a..3	See ISO 9897 Annex K, L
8524	DAMAGE TYPE CODE	Conditional	a..2	See ISO 9897 Annex D
8525	COMPONENT MATERIAL CODE	Conditional	a..2	See ISO 9897 Annex E

2.2.2.14 WOR Segment – Work
Function: to indicate details of work to be executed

Size Legend: a   = alpha character(s)
              n   = numeric character(s)
              an = alphanumeric character(s)
              .. = size is variable, up to the maximum number indicated

Ref. #	Data Element Name	Status	Size	Description
8526	REPAIR METHOD CODE	Conditional	a2	See ISO 9897 Annex F
C858	REPAIR SIZE DIMENSION	Conditional		
6410	Measure unit specifier	Conditional	**an3**	See ISO 9897 Annex G
6168	Length dimension	Conditional	n..8	See Note A*
6140	Width dimension	Conditional	n..8	See Note A*
6008	Height dimension	Conditional	n1	always zero
6060	QUANTITY	Conditional	n..3	Number of same type, size, cost damage within the same damage location area.

*Note A. This element may be up to 5 digits to the *left* and 2 digits to the *right* of the decimal.

2.2.2.15 COS Segment – Cost Per Line Item
Function: to indicate cost per damage line for each responsibility

Ref. #	Data Element Name	Status	Size	Description
8531	WORK SCALE	Conditional	n2	Always "00" (See ISO 9897 Annex G)
5533	MAN HOURS	Conditional	n..7	
5534	MATERIAL COST	Conditional	n..10	Or repair flat rate per damage line
3535	RESPONSIBILITY	Conditional	a1	See ISO 9897 Annex H (and "X"= not specified)
3578	LABOUR RATE	Conditional	n..8	(See Note** below)

** Note: The format allows for five (5) digits *before* the decimal point and two (2) digits *after* the decimal point for this field.

2.2.2.16 CTO Segment – Cost Totals
Function: to consolidate a total for each responsibility

Size Legend: a   = alpha character(s)
                n   = numeric character(s)
                an   = alphanumeric character(s)
                ..   = size is variable, up to the maximum number indicated

Ref. #	Data Element Name	Status	Size	Description
3535	RESPONSIBILITY	Conditional	al	See ISO 9897 Annex H
5536	LABOR TOTAL	Conditional	n..11	Hours times rate*
5537	MATERIAL TOTAL	Conditional	n..11	*
5539	HANDLING TOTAL	Conditional	n..11	*
5538	TAX	Conditional	n..11	All applicable taxes*
5544	TOTAL INVOICE AMOUNT	Conditional	n..11	Sum of 5536 to 5539 for each party*

* Note: The format allows for eight (8) digits *before* the decimal point and an optional two (2) digits *after* the decimal point for these fields.

2.2.2.17 TMA Segment – Total Message Amounts
Function: to identify total amounts.

Ref. #	Data Element Name	Status	Size	Description
5356	MESSAGE MONETARY AMOUNT	Conditional	n..15	Estimate grand total**
5360	MESSAGE LINE ITEM TOTAL	Conditional	n..15	<null>
5348	AMOUNT SUBJECT TO DISCOUNT	Conditional	n..15	<null>
5338	AMOUNT SUBJECT TO TAX	Conditional	n..15	<null>
5358	MESSAGE ADDITIONAL AMOUNT	Conditional	n..15	<null>
5492	AUTHORIZED AMOUNT	Conditional	n..15	**
5384	TOTAL AMOUNT PREPAID	Conditional	n..15	<null>
5420	(TAX) RATE	Conditional	n..15	***

**   The format allows for nine (9) digits *before* the decimal point and an optional two (2) digits *after* the decimal point for this field.

***   The format allows for only two (2) digits *before* the decimal and an optional two (2) digits *after* the decimal point for this field.

2.2.2.18 TAD Segment -- Transaction Details
Function: to give details of a transaction

Size Legend: a   = alpha character(s)
              n   = numeric character(s)
              an   = alphanumeric character(s)
              ..   = size is variable, up to the maximum number indicated

Ref. #	Data Element Name	Status	Size	Description
C040	CARRIER	Conditional		
3127	Carrier, coded	Conditional	a9	See ISO 9897Annex J
1131	Code list identifier	Conditional	an2	<null>
3128	Carrier name	Conditional	an..35	<null>
8213	Transport ID, coded	Conditional	a9	Haulier code See ISO 9897Annex J
C214	SPECIAL SERVICES	Conditional		
7161	Special service code	Mandatory	an..6	<null>
3055	Code list agency	Conditional	an2	<null>
1131	Code list identifier, coded	Conditional	an2	<null>
8212	Transport identification	Conditional	an..17	country 2 state 2 license 8 expiration (yy/mm) 4 Inspection needed?(Y/N) 1
8452	Nationality of means of transport	Conditional	an..17	
C228	TRANSPORT MEANS	Conditional		
8265	Means of transport, coded	Conditional	an..5	
8264	Means of transport	Conditional	an..35	

2.2.2.19 TXT Segment -- Text
Function: to give information in addition to that in other segments in the service message, as required.

Ref. #	Data Element Name	Status	Size	Description
0077	TEXT REFERENCE CODE	Conditional	an3	CDX
0078	FREE FORM TEXT	Mandatory	an..70	Free text

2.2.2.20 UNT Segment -- Message Trailer
Function: to end and check the completeness of a message

Ref. #	Data Element Name	Status	Size	Description
0074	NUMBER OF SEGMENTS IN MESSAGE	Mandatory	n..6	Includes UNH & UNT
0062	MESSAGE REFERENCE NUMBER		an..14	Must match UNH segment above (See Section 2.2.2.2)

### 2.2.2.21 UNZ Segment -- Interchange Trailer
Function: to end and check the completeness of an interchange

Size Legend:
    a   = alpha character(s)
    n   = numeric character(s)
    an = alphanumeric character(s)
    .. = size is variable, up to the maximum number indicated

Ref. #	Data Element Name	Status	Size	Description
0036	INTERCHANGE CONTROL COUNT	Mandatory	n..6	
0020	INTERCHANGE CONTROL REFERENCE	Mandatory	an..14	Must match UNB segment above (Section 2.2.2.1)

2.2.3 GATEIN / GATOUT

2.2.3.1 Branching Diagram
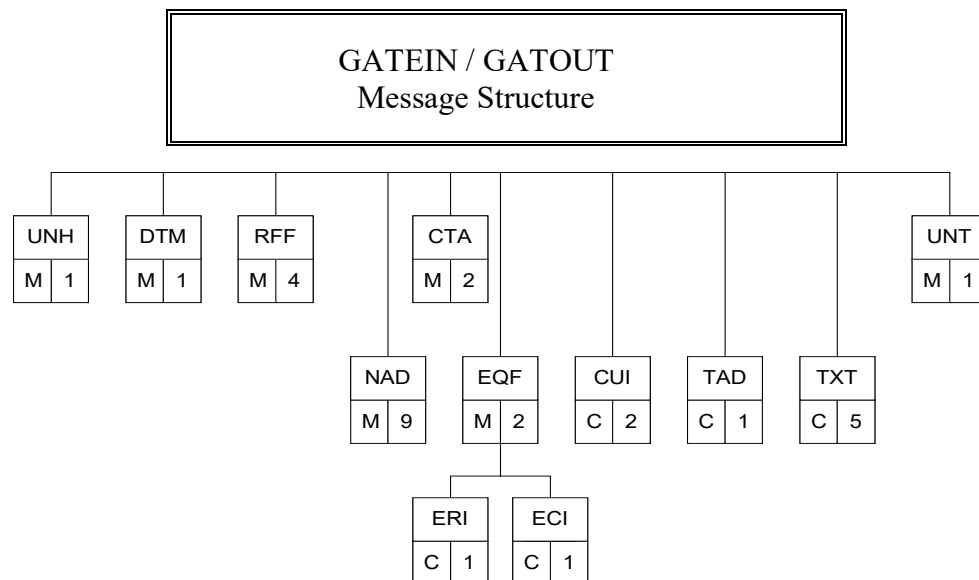
2.2.3.2 GATOUT/GATEIN EIR Logical Sequence of Segments

UNH	Message Header	
DTM	Date/Time Reference	
RFF	Reference	
	NAD	Name and Address
CTA	Contact	
	EQF	Equipment
		ERI Equipment Related Information
		ECI Equipment Condition
	CUI	Current Usage Information
	TAD	Transaction Details
	TXT	Text
UNT	Message Trailer	

2.2.4 WESTIM

2.2.4.1 Branching Diagram
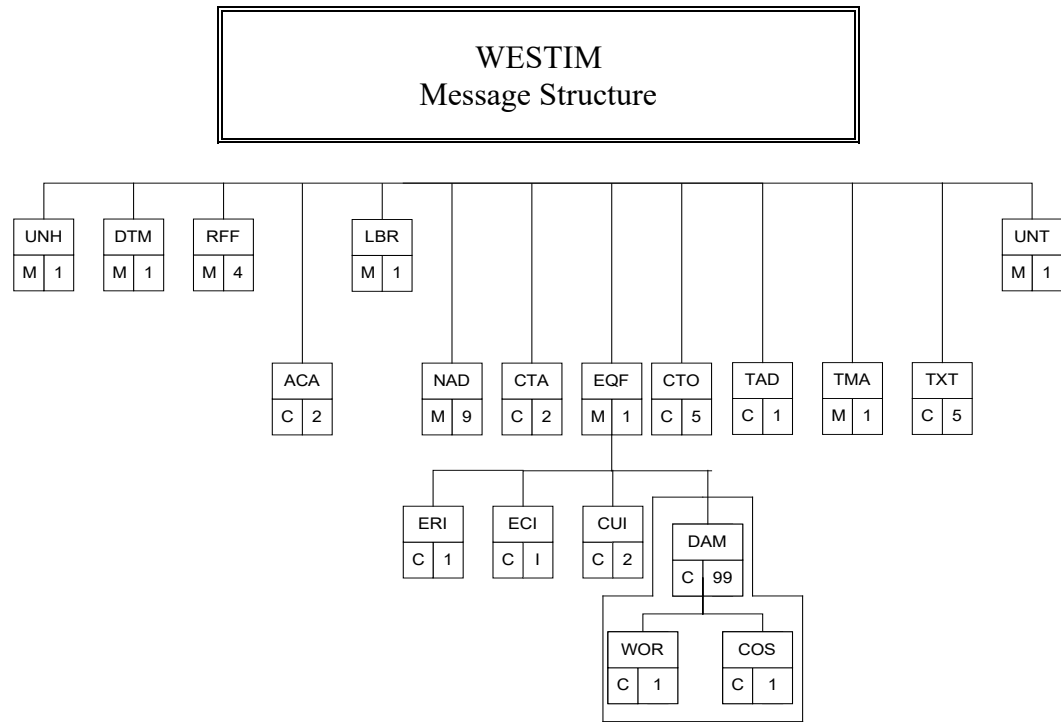
2.2.4.2 WESTIM Logical Sequence of Segments

UNH	Message Header	
DTM	Date/Time Reference	
RFF	Reference	
	ACA	Alternative Currency Amount
LBR	Labour	
	NAD	Name and Address
	CTA	Contact
	EQF	Equipment
		ERI Equipment Related Information
		ECI Equipment Condition
		CUI Current Usage Information
		DAM Damage
		WOR Work
		COS Cost
	CTO	Cost Totals
	TAD	Transaction Details
	TMA	Total Message Amount
	TXT	Text
UNT	Message Trailer	

3.0 CEDEX CODES AND DEFINITIONS

The complete set of ISO 9735:2002 Cedex Codes and Definitions that reference the following items**:**

Equipment Types
Materials
Currency
Responsibility
Component
Damage
Repair

may be purchased through the following organizations:

American National Standards Institute -- www.ansi.org
International Maritime Organization -- www.imo.org
International Standards Organization -- www.iso.org

4.0 IICL PREFERRED EDIFACT CONTENT

4.1 GATEIN/GATOUT Record Format

Name	Description
Trans Number	EIR Number
Advice	Acceptance Advice Number
Unit ID Prefix	E.g.: CONU – prefix
Unit ID Number	E.g.: 123456 – unit number
Unit ID Check Digit	E.g.: 1 – check digit
Condition	Text description e.g.: Damage, Complete, Available
EIR date	Date of EIR (YYYYMMDD)
EIR Time	Time of EIR (24 hr – local time) e.g.: 12:01
LSR Owner	Lessor EDI Code
DPT TRM	Depot EDI Code

4.2 WESTIM Record Format

Name	Description
Trans Number	EIR Number
Revision	Revision number of estimate
Estimate Date	Date of estimate (YYYYMMDD)
Unit ID Prefix	E.g.: CONU – prefix
Unit ID Number	E.g.: 123456 – unit number
Unit ID Check Digit	E.g.: 1 – check digit
Condition	Text description e.g.: D, F, G or E

Name	Description
LSR Owner	Lessor EDI Code
DPT TRM	Depot EDI Code
Base Currency	Base currency for estimates
Auth Num*	Work Authorization Number
Auth Amt*	Work Authorization Amount
Auth Pty*	Authorizing Party Code
Auth Date*	Approval Date (YYYYMMDD)

*Auth Fields are optional and only used if estimate has been customer authorized / approved

4.3   WESTIMDT Record Format

Name	Description
Trans Number	EIR Number
Revision	Revision number of estimate
Estimate Date	Date of estimate (YYYYMMDD)
Unit ID Prefix	Eg: CONU – prefix
Unit ID Number	Eg: 123456 – unit number
Unit ID Check Digit	Eg: 1 – check digit
Labor Rate	Labor Rate
Line	Line Item Number
Repair	Repair Code
Repeats	Quantity – number of damages
Damage	Damage Code
Component	Component Code
Location	Location Code
Length	Length Dimension
Width	Width Dimension
Units	Unit of Measure
Hours	Hours for Line Item
Material Cost	Line Item Material Cost
Party Responsible	Party responsible for line item

5.0   IICL PREFERRED CODES

The ISO Cedex codes in the container industry include a large number of conflicting and or redundant codes. Use of the "Equipment Code Standards (ECS) " developed by the IICL in 2022 may assist all concerned to maximize the benefit from a consistent use of codes. The ECS document found at https://www.iicl.org/technical-documents/iicl-ecs-project/ provides detailed information concerning the recommended component, repair, and damage codes and recommended combinations.

5.3   IICL Preferred Responsibility Codes

Description	Code
Central Billing	S
Depot	D
DPP/Insurance	I
Joint survey allocation assigned	J
Lessee Refused	R
Owner/Lessor	O
Third Party	T
User/Lessee	U

5.5   IICL Preferred Material Type Codes

Description	Code
Aluminum	AU
Aluminum - Pre painted	AP
Plymetal	PM
Plywood	PP
Rubber	RU
Steel	SU
Steel - Carbon	ST
Steel - Corten	SK
Steel - Galvanized	SG
Wood	WU
Wood - Hard Laminated Plank	LH
Wood - Hard Plank	WH
Wood - Soft Laminated Plank	LS
Wood - Soft Plank	WS

5.6   IICL Preferred Unit of Measure Specifier Codes

Description/Abbreviation	Code
Centimeter/CM	CMT
Feet/FT	FOT
Inches/IN	INH
Meters/M	MTR
Millimeters/MM	MMT

5.7   IICL Preferred Location Codes

5.7.1   Location Coding Convention

The location code consists of three parts:

1. A 1200 x 1200 mm (4' x 4') numerical square system to identify damage to any face of the container
2. A component numbering system to identify damage to crossmembers, roof bows and other similar components, which are integral parts of a container
3. Use of a four (4) character ISO CEDEX code

5.7.2   Location Codes

First Character: Will identify the appropriate face of the container.	
Description	**Code**
Right Side	R
Left Side	L
Roof or Top	T
Bottom (Floor)	B
Front End	F
Door End (Rear)	D
Understructure	U
Whole Container	X
Container Interior	I
Container Exterior	E

Second Character: Will identify the segment of the container where the damage is located.	
Description	**Code**
Upper Component	H
Lower Component	G
Top Half	T
Bottom Half	B
Left Half	L
Right Half	R
Both Halves	X

1 - for the left hand side corner post
2 - for the left half
3 - for the right half
4 - for the right hand side corner post

For all containers the right and left sides, the roof, the floor and the understructure are divided into equal sections:

20' containers: 5 sections numbered 1 - 5
40' containers: 10 sections numbered 1 - 9, then 0
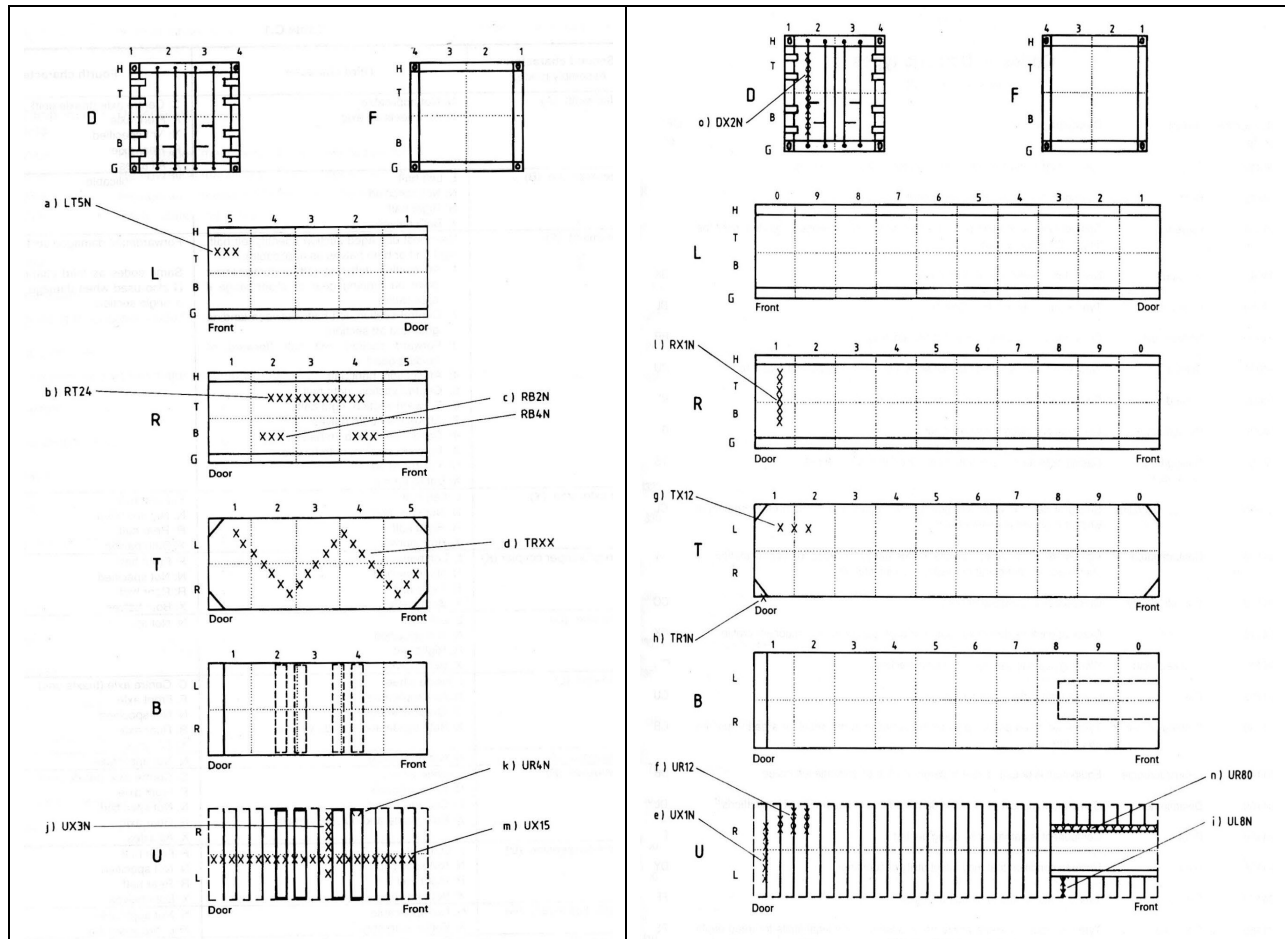
5.7.3 Location Coding Explanation

- If the damage covers only one section, the 3rd character will identify the appropriate section and the 4th character will be designated with "N".
  NOTE: the "N" in the location code can only be used as the 4th character of the location code and never as the 2nd or 3rd character for dry freight and open top containers.
- If the damage covers several adjacent sections, the first and last section numbers are used.
- If the damage covers the entire length of the container face, the 3rd and 4th characters are designated with "X".

5.7.4 Numbering System for Multiple Components

- Some components can be more precisely identified in the "comments" entry field in numerical order.
- Components of the door and the front end, such as locking bars or front (side) posts, are numbered consecutively from left to right from the door end.
- Components contained in all the other faces, such as roof bows, side posts and crossmembers, are numbered consecutively from the door of the container,

with the exception of the fork lift pockets, numbered "1" and "2" designed to lift the container loaded and "3" and "4" for those designed to lift the container empty. Fork lift pocket component walls "1" and "3" are the closest to the door end.

- Should numerous crossmembers or roof bows require repair or replacement and share a common damage code and repair code, they must be identified as a single repair item using one location code. Individual crossmembers or roof bows affected must be identified in the "comments" entry field, as shown in the example which follows:

> To identify crossmembers 1, 3, 6, 9 - CMA 1, 3, 6, 9

Note: If multi-damages on one sub-assembly or component are of the same nature and size, and require the same repair method, then such damages can be recorded using the extreme location coordinates relative to the damage locations, i.e., with example (*) on page 11, if the damage type, size and repair method are the same, the location code for one line estimate entry would be RT24.

6.0
IICL RECOMMENDED COMPONENT, DAMAGE , REPAIR CODES AND CODES COMBINATIONS

6.1   Refer to the latest version of the IICL Equipment Code Standards "ECS" available at https://www.iicl.org/technical-documents/iicl-ecs-project/

7.0   IICL SUGGESTED ESTIMATE FORMAT AND HEADER ITEMS

This section denotes estimate formatting and header items important to processing estimate information.

NOTE: Each leasing company's estimate information and formatting differs; therefore, it is suggested you consult with them to obtain any specific requirements they may have.

REPAIR ESTIMATE

Unit Number: **Depot:**
Equipment Type: **Customer:**

Turn In Date: **Estimate Number:**
Estimate Date: **Lease Out Location:**
On-Hire Date: **Estimate Number:**   **Revision Number:**
Labor Rate: **Unit Measure:**
Manufacturer/YR/MO: **Estimate Currency:**
DPP Coverage (Y) or (N)
Original Estimate Date:

Item Number	Component Code	Location Code	Damage Code	Repair Code	Length	Width	Quantity	Party	Labor Hours	Material Cost	Total Cost

Summary

		Labor		Material			
		Hours	Cost	Cost	Tax		Total

Damage
      User/Lessee
      DPP/Insurance
Maintenance
      Owner/Lessor

Total

Comments:

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REPAIR ESTIMATE

Unit Number: GGDU 123456-7	**Depot:**	**Palmer Industries**
Equipment Type: 40 High Cube		**88 First Street**
Turn In Date: 07/March/02		**Newark, NJ 07724**
Estimate Date: 08/March/02	**Customer:**	**Maersk**
Estimate Number: PI001		**100 Market St**
On-Hire Date: 01/January/02		**New York, NY 10027**
Labor Rate: 40.00	**Lease Out Location:**	**Hong Kong**
Manufacturer: Jindo 01/May/99	**Unit Measure:**	**ZZZ**
DPP Coverage: (Y) or (N)	**Estimate Currency:**	**USD**
Original Estimate Date: 07/March/02	**Revision Number:**	

Item Number	Component Code	Location Code	Damage Code	Repair Code	Length	Width	Quantity	Party	Labor Hours	Cost	Material Cost	Total Cost	
01	**cma**	**ul5n**	**cu**	**it**	**6.0**	**0.0**	**1.0**	**u**	**0.75**	**30.00**	**2.50**	**32.50**	**Cross member assembly**
02	**mru**	**exxx**	**ml**	**rd**	**0.0**	**0.0**	**3.0**	**u**	**0.25**	**10.00**	**3.00**	**13.00**	**Markings Other**
03	**msd**	**lt1n**	**wt**	**rp**	**0.0**	**0.0**	**2.0**	**o**	**1.0**	**40.00**	**5.00**	**45.00**	**Markings Single Digit**

Summary		Hours	Labor Cost	Material Cost	Tax	Total
Damage						
	User/Lessee	**1.0**	**40.00**	**1.00**	**1.00**	**42.00**
	DPP/Insurance					
Maintenance						
	Owner/Lessor	**1.0**	**40.00**	**5.00**	**2.00**	**45.00**
Total		**2.0**	**80.00**	**6.00**	**3.00**	**89.00**

Comments: Customer has agreed to pay all cleaning costs separately.

8.0 FREQUENTLY ASKED QUESTIONS

Q. Do you need to enter a code in every field of the damage line?

    A.   No. Not all customers need this much detail. Please refer to customer's operating instructions for their required information.

Q. Should the reference field only be used for the redelivery number?

    A.   No. The reference field may be used differently by each individual customer. Please refer to customer's operating instructions.

Q. Do I have to put in the material information for every line item of damage, i.e. what material do I use for a steam clean?

    A.   No. The Material Code is not an IICL preferred code; therefore, it is not necessary. In the case of a steam clean, this field would be left blank.

Q. Will comments entered be reflected on the estimate?

    A.   Yes. The comments are transmitted to assist in providing the customer with more detailed information.

Q. If there is no code for the repair, damage or component, can we make one up?

    A.   No! The IICL preferred code listing should encompass all probable situations. Contact your customer to discuss any specific issues you may have.

Q. If there are multiple damages to the same component that are alike but of different sizes, do I need to enter them on separate lines?

    A.   The size fields should be used to indicate the size of the repair, not the damage. Refer to the recipient's operating procedures in the event they have more detailed instructions.

Q. How would you describe the location when you want to remove glue from various places in the interior? Do you need to complete separate line items for each spot?

    A.   Refer to the recipient's operating procedures since they may have specific instructions regarding this issue.

Q. Do I have to adhere to the IICL preferred codes and combinations?

    A.   No. However, the codes and combinations were developed to simplify the estimating process and allow for the customer to identify damages and repairs electronically within their system.

Have another question?

ASK IICL by
sending inquiries to
technical@iicl.org

10.
11.0 GLOSSARY

The following terms are widely used within the EDI standards community:

ACKNOWLEDGEMENT	A specific type of EDI segment used within EDI to indicate acceptance or rejection of an entity.
ANSI	American National Standards Institute (www.ansi.org).
ANSI X12	A commonly used public message standard, developed in 1979 by the Accredited Standards Committee X12 (ASC X12) of the American National Standards Institute (ANSI). Its emphasis is on trading partners with the United States.
ASYNCHRONOUS	A communications protocol that sends messages one character at a time. Each character is surrounded by start and stop bits and may have a parity bit.
BISYNCHRONOUS	A communications protocol whereby messages are sent as blocks of characters. The blocks of data are checked for completeness and accuracy by the receiving computer.
COMPONENT ELEMENT	In EDIFACT, a sub-element of a composite data element.
COMPONENT ELEMENT SEPARATOR	A character separating component data elements.
COMPOSITE DATA ELEMENT	In EDIFACT, an element that consists of multiple component data elements.
CONTROL STRUCTURE	The beginning and end (header and trailer) segments for entities in EDI.
CUSTOMER INTERFACE	A customer computer program to "map" data from an EDI standard into the proprietary format required by a computer application.
DATA DICTIONARY	The publication that defines all of the elements for which a standard exists.
DATA ELEMENT	The fundamental unit of EDI data (e.g. Container Number).
DATA ELEMENT SEPARATOR	Used to delimit the boundaries of a data element. It precedes each data element within a segment.
DATA SEGMENT	A data segment is the intermediate unit of information in a message. A segment consists of a pre-defined set of

DATA SEGMENT (continued)	functionally related data elements that are identified by their sequential positions within the set. A segment begins with a segment identifier – a three-character upper case alphabetic code that identifies each segment and ends with a segment terminator.
DELIMITER	A character that separates elements. A delimiter tells the computer where one element ends and the next one begins.
DOWNLOAD	To transfer information from a large computer to a smaller computer.
E-MAIL	The electronic exchange of "free form" messages and letters, used primarily as a way to improve communications between people.
EDI	Electronic Data Interchange. The electronic exchange of standard business documents between the computers of two trading partners.
EDIFACT	EDI for Administration Commerce and Trade. The standard for international EDI created by the International Standards Organization (ISO).
EDIS	The acronym for equipment data interchange standard web site for container industry users.
EDI STANDARDS	A defined standardized format for transaction sets.
ELEMENT	The smallest item of information in the standard. Comparable to a "field".
FLAT FILE	A computer file from which all formatting symbols have been stripped. Flat files are generated by computer applications or translation software so that data can be mapped from one format to another.
FIXED LENGTH FORMAT	A computer flat file format that requires each line (segment) of information to be a specific length.
FUNCTIONAL ACKNOWLEDGEMENT	These are used by the receiving party to indicate the syntactical correctness of the Groups and Transactions received from a trading partner. They are returned to the sender in a Functional Acknowledgement Group with individual transactions indicating acceptance.
FUNCTIONAL GROUPS	Similar transaction sets transmitted from the same location, bounded by Functional Group Header and Functional Group Trailer segments.
FUNCTIONAL GROUP ENVELOPE	An EDI envelope that separates different types of transaction sets.

HUB COMPANY	The company that initiates the implementation of EDI, for example a steamship line or leasing company. The trading partners of the hub company are referred to as spoke companies.
INTERCHANGE	The actual exchange of information from one company to another. A set of documents is sent from one sender to one receiver at a time. Each interchange begins with an Interchange Header segment, ends with an Interchange Trailer segment and is delineated by interchange control segments.
INTERCHANGE ACKNOWLEDGEMENT	An Interchange Acknowledgement indicates the success or failure of a particular Interchange transmission. It does not imply acceptance of the EDI documents that make up the Interchange.
INTERCHANGE ENVELOPE	An EDI envelope that contains all the transaction sets for a particular trading partner.
INTERCHANGE HEADER	The Interchange Header contains the sender and receiver addressing information, the sender date and time and a control number that uniquely identifies the interchange between the trading partners. It also defines the Data Element Separator, the Sub-element Separator and the Segment Terminator to be used throughout the interchange (i.e. until the next Interchange Trailer).
INTERCHANGE TRAILER	Contains information to match it with its Interchange Header and audit trailer information to ensure that no data was lost during the transmission.
ISO	International Standards Organization (www.iso.org).
PROTOCOL	Methods of communicating data over telephone lines.
PUBLIC STANDARDS	EDI standards that are used by multiple industries and are developed and maintained by open organizations.
SEGMENT	Segments are related to data elements in a defined sequence, a "logical record".
SEGMENT TAG	This is unique identifier composed of a combination of two or three uppercase letters and/or digits, the first character of which is alphabetic. The identifier serves as a name for the segment and is located in the first character position of the segment.
SEGMENT	A character that separates segments. A segment terminator tells the computer where one segment ends

TERMINATOR	and the next begins. The terminator is defined in the Interchange Header.
SPOKE COMPANY	A trading partner of a hub company.
STANDARDS BODIES	Organizations and/or committees that develop EDI standards.
SUB-ELEMENT	A portion of a larger composite data element.
SUB-ELEMENT SEPARATOR	A single character used to separate the components or an element.
THIRD-PARTY NETWORK	A company that acts as a post office or intermediary between trading partners. A third-party network provides communications services that allow trading partners to communicate with each other electronically.
TRANSACTION SETS	Standard defined groupings of one or more segments which represent a specific EDI document. Examples of transactions include Equipment Interchange Reports (Gate-in and Gate-out) GATEIN and GATOUT and Repair Estimates. The order and number of segments within a transaction are defined for each applicable EDI standard.
TRANSLATION SOFTWARE	A software program used to reformat business documents into an EDI standard. Translation software puts the data in the standard's syntax and inserts the appropriate EDI symbols for the transmission of the transaction set. The CDX EDI Bridge is an example of a translation software program.
VARIABLE LENGTH FORMAT	A computer format in which fields or elements are given a specific location, a maximum length and are separated with a symbol that denotes the end of the element. EDI standards use a variable length format.