



Technical Bulletin: IICL TB 002, February 2003

## 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 was prepared under the supervision of a sub-committee chaired by representatives from IICL member companies:

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**TABLE OF CONTENTS**

	<b>PAGE</b>
<b>Introduction</b>	<b>1</b>
<b>1. External Standards and References</b>	<b>2</b>
1.1 General	2
1.2 References	2
1.3 Data Elements	2
<b>2. Message Types: ANSI and EDIFACT</b>	<b>3</b>
2.1 ANSI Message Types	3
2.1.1 Text File Structure for GATEIN	3
2.1.2 Text File Structure for GATOUT	5
2.1.3 Text File Structure for WESTIM	7
2.1.4 Text File Structure for WESTIMDT	10
2.2 EDIFACT Messages	12
2.2.1 Sample EDIFACT Message	13
2.2.2 EDIFACT Segment Definitions	14
2.2.2.1 UNB Segment -- Interchange Header	14
2.2.2.2 UNH Segment -- Message Header	15
2.2.2.3 DTM Segment -- Date/Time Reference	15
2.2.2.4 RFF Segment -- References	16
2.2.2.5 ACA Segment -- Alternative Currency Amounts	16
2.2.2.6 LBR Segment -- Labor	17
2.2.2.7 EQF Segment -- Equipment Details	17
2.2.2.8 NAD Segment -- Name and Address	18
2.2.2.9 CTA Segment -- Contact	18
2.2.2.10 ERI Segment -- Equipment Related Information	18
2.2.2.11 CUI Segment -- Current Usage Information	19
2.2.2.12 ECI Segment -- Equipment Condition Information	19
2.2.2.13 DAM Segment -- Damage Location ID	19
2.2.2.14 WOR Segment -- Work	20
2.2.2.15 COS Segment -- Cost Per Line Item	20
2.2.2.16 CTO Segment -- Cost Totals	21
2.2.2.17 TMA Segment -- Total Message Amounts	21
2.2.2.18 TAD Segment -- Transaction Details	22
2.2.2.19 TXT Segment -- Text	22
2.2.2.20 UNT Segment -- Message Trailer	22
2.2.2.21 UNZ Segment -- Interchange Trailer	23
2.2.3 GATEIN/GATEOUT	23
2.2.3.1 Branching Diagram	23
2.2.3.2 GATOUT/GATEIN EIR Logical Sequence of Segments	23
2.2.4 WESTIM	24
2.2.4.1 Branching Diagram	24
2.2.4.2 WESTIM Logical Sequence of Segments	24

## TABLE OF CONTENTS

	<b>PAGE</b>
<b>3. CEDEX CODES AND DEFINITIONS</b>	<b>25</b>
<b>4. IICL PREFERRED EDIFACT CONTENT</b>	<b>25</b>
4.1 GATEIN/GATOUT Record Format	25
4.2 WESTIM Record Format	25
4.3 WESTIMDT Record Format	26
<b>5. IICL PREFERRED CODES</b>	<b>27</b>
5.1 Component Codes	27
5.1.1 Dry Vans and Open Tops	27
5.1.2 Open Tops Only	30
5.2 Damage Codes	30
5.3 Responsibility Codes	31
5.4 Repair Codes	31
5.5 Material Type Codes	32
5.6 Unit of Measure Specified Codes	32
5.7 Location Codes	33
5.7.1 Location Coding Convention	33
5.7.2 Location Codes	33
5.7.3 Location Coding Explanation	34
5.7.4 Numbering System for Multiple Components	34
<b>6. IICL PREFERRED CODE COMBINATIONS</b>	<b>35</b>
6.1 IICL Preferred Damage & Repair Code Combinations	35
6.2 IICL Preferred Component, Location & Damage Codes: Dry Vans	36
6.3 IICL Preferred Component, Location & Damage Codes: Open Tops	39
<b>7. IICL SUGGESTED ESTIMATE FORMAT &amp; HEADER ITEMS</b>	<b>40</b>
<b>8. FREQUENTLY ASKED QUESTIONS</b>	<b>42</b>
<b>9. DATA ERRORS</b>	<b>43</b>
<b>10. USEFUL LINKS (IICL MEMBERS)</b>	<b>44</b>
<b>11. GLOSSARY</b>	<b>45</b>

## **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 new 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 will 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 Gary Danback, Director, Technical Services, at the IICL: [edisinquiry@iicl.org](mailto:edisinquiry@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)
	<b>Application level syntax rules</b>
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

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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 data 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
18	EQUIP_DESC	90	30	C	Text description

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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
<b>#</b>	<b>NAME</b>	<b>POSITION</b>	<b>WIDTH</b>	<b>TYPE</b>	<b>DESCRIPTION</b>
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_ED1_1	284	1	L	T/F for send
42	SSL_LSE	285	9	C	Lessee Code
43	SEND_ED1_2	294	1	L	T/F for send
44	HAULIER	295	9	C	Trucker Code
45	SEND_ED1_3	304	1	L	T/F for send
46	DPT_TRM	305	9	C	Depot Code
47	SEND_ED1_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_ED1_5	541	1	L	T/F for send
62	SEND_ED1_6	542	1	L	T/F for send
63	SEND_ED1_7	543	1	L	T/F for send
64	SEND_ED1_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

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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
<b>#</b>	<b>NAME</b>	<b>POSITION</b>	<b>WIDTH</b>	<b>TYPE</b>	<b>DESCRIPTION</b>
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
10	IMPORTED	39	1	L	Default F, flags T after import

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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
<b>#</b>	<b>NAME</b>	<b>POSITION</b>	<b>WIDTH</b>	<b>TYPE</b>	<b>DESCRIPTION</b>
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
58	SENDER	510	15	C	Person sending message

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59	ATTENTION	525	15	C	Person receiving message
60	REVISION	540	1	N	Revision number of EIR
61	SEND_EDJ_5	541	1	L	T/F for send
62	SEND_EDJ_6	542	1	L	T/F for send
<b>#</b>	<b>NAME</b>	<b>POSITION</b>	<b>WIDTH</b>	<b>TYPE</b>	<b>DESCRIPTION</b>
63	SEND_EDJ_7	543	1	L	T/F for send
64	SEND_EDJ_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
3	SENT_DATE	3	8	D	Date message sent

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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
<b>#</b>	<b>NAME</b>	<b>POSITION</b>	<b>WIDTH</b>	<b>TYPE</b>	<b>DESCRIPTION</b>
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_ED1_1	254	1	L	T/F for send
36	SSL_LSE	255	9	C	Lessee Code
37	SEND_ED1_2	264	1	L	T/F for send
38	HAULIER	265	9	C	Trucker Code
39	SEND_ED1_3	274	1	L	T/F for send
40	DPT_TRM	275	9	C	Depot Code
41	SEND_ED1_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
51	LABOR_RATE	534	12,2	N	Labor rate

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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
<b>#</b>	<b>NAME</b>	<b>POSITION</b>	<b>WIDTH</b>	<b>TYPE</b>	<b>DESCRIPTION</b>
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/LESSEE617E
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
97	SEND_ED1_5	973	1	L	T/F for send

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98	SEND_ED1_6	974	1	L	T/F for send
99	SEND_ED1_7	975	1	L	T/F for send
100	SEND_ED1_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.)
26	MAT_COST	170	15,2	N	Line item material cost

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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
<b>#</b>	<b>NAME</b>	<b>POSITION</b>	<b>WIDTH</b>	<b>TYPE</b>	<b>DESCRIPTION</b>
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+JJJJJSA20006'  
NAD+LED+TESTTPARA'  
EQF+CON+RWCU:1234567+2210:20x8.5 Passive Ve+MGW:0:KGM'  
ERI+SK+MAN:01'  
CUI++TRM:980424'  
UNT+9+JJJJJSA20006'  
UNH+JJJJJSA20008+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 9897 Annex 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	a1	
0031	ACKNOWLEDGMENT REQUEST	Conditional	n1	
0032	COMMUNICATIONS AGREEMENT ID	Conditional	an..35	
0035	TEST INDICATOR	Conditional	n1	

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**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	

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**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 <i>or</i> Authorization Number <i>or</i> Acceptance Number <i>or</i> 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), <i>or</i> 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.

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### 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	

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**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”

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**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

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**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	al	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.

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**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.

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**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)

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**2.2.2.21 UNZ Segment -- Interchange Trailer**

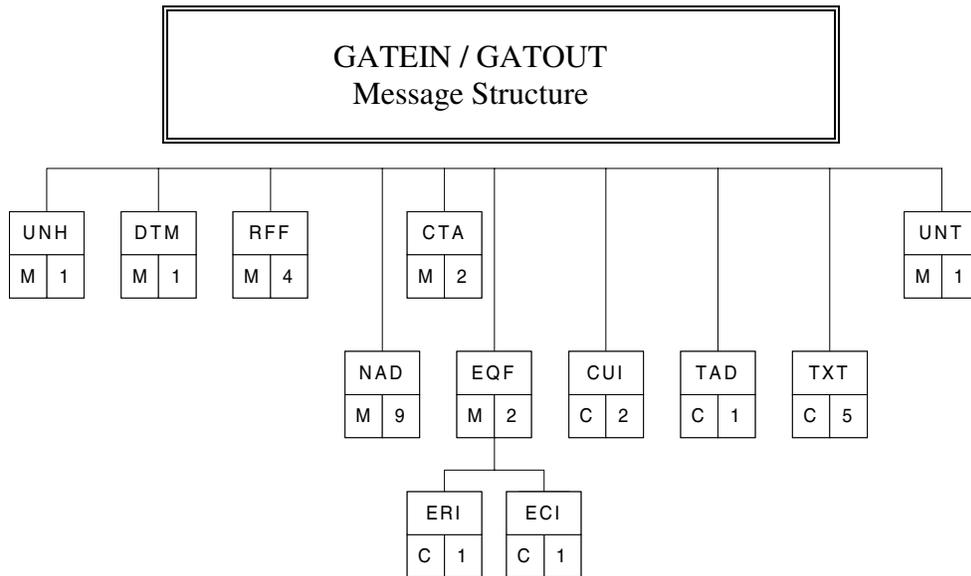
Function: to end and check the completeness of an interchange

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**

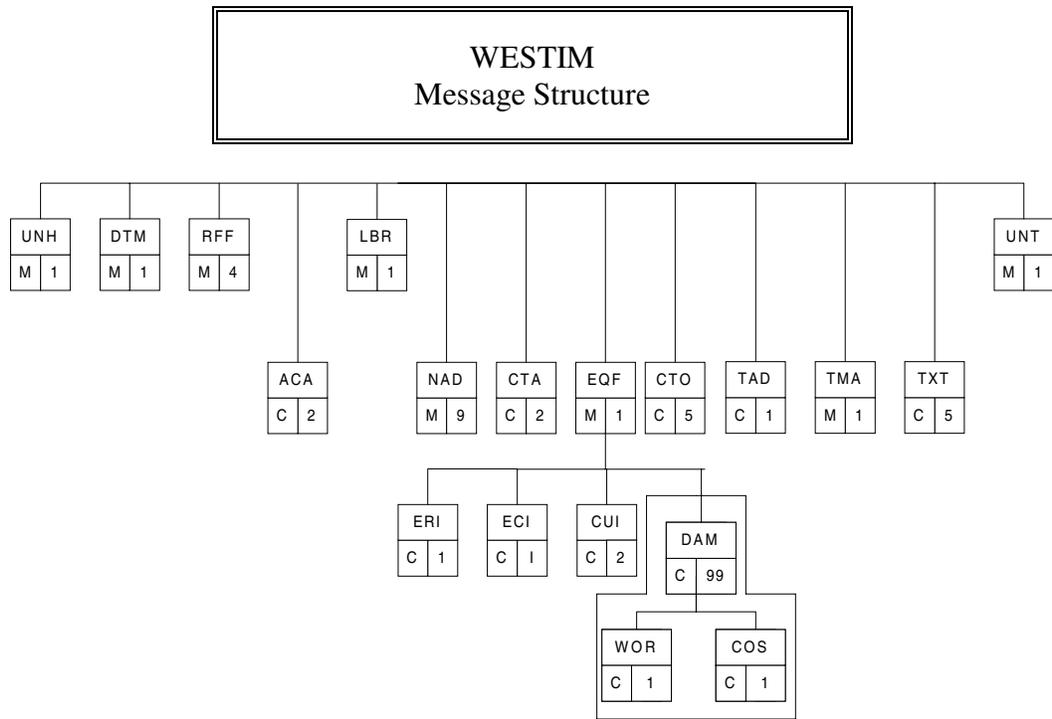


**2.2.3.2 GATOUT/GATEIN EIR Logical Sequence of Segments**

**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

<b>UNH</b>	Message Header
<b>DTM</b>	Date/Time Reference
<b>RFF</b>	Reference
<b>ACA</b>	Alternative Currency Amount
<b>LBR</b>	Labour
<b>NAD</b>	Name and Address
<b>CTA</b>	Contact
<b>EQF</b>	Equipment
<b>ERI</b>	Equipment Related Information
<b>ECI</b>	Equipment Condition
<b>CUI</b>	Current Usage Information
<b>DAM</b>	Damage
<b>WOR</b>	Work
<b>COS</b>	Cost
<b>CTO</b>	Cost Totals
<b>TAD</b>	Transaction Details
<b>TMA</b>	Total Message Amount
<b>TXT</b>	Text
<b>UNT</b>	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](http://www.ansi.org)  
International Maritime Organization -- [www.imo.org](http://www.imo.org)  
International Standards Organization -- [www.iso.org](http://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

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<b>Name</b>	<b>Description</b>
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**

<b>Name</b>	<b>Description</b>
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 these “IICL Preferred” codes may assist all concerned to maximize the benefit from a consistent use of codes. The following IICL preferred codes are detailed in this section:

- |                            |  |
|----------------------------|--|
| 5.1 Component codes        | 5.6 Unit of measure specifier codes            |
| 5.1.1 Dry Vans & Open Tops | 5.7 Location codes                             |
| 5.1.2 Open Tops Only       | 5.7.1 Location Coding Convention               |
| 5.2 Damage codes           | 5.7.2 Location Codes                           |
| 5.3 Responsibility codes   | 5.7.3 Location Coding Explanation              |
| 5.4 Repair codes           | 5.7.4 Numbering System for Multiple Components |
| 5.5 Material type codes    |  |

### 5.1 IICL Preferred Component Codes

#### 5.1.1 Dry Vans and Open Tops

Assembly	Component	Component Code
Rear	CAM Keeper	RCK
Rear	Cone (damage) Protector Recess	RCI
Rear	Corner Fitting	CFG
Rear	Corner Post - "J" bar	CPJ
Rear	Corner Post - inner	CPI
Rear	Corner Post - outer	CPO
Rear	Corner Post (only)	CPS
Rear	Corner Post Assembly	CPA
Rear	Door Complete - with hardware	DAH
Rear	Door Complete - without hardware	DAA
Rear	Hinge Lug - Corner Post	CPL
Rear	Hinge Pin	HGP
Rear	Rails - Top and Bottom	RLA
Doors	Consolidated Data Plate	MPD
Doors	Gasket	GTO
Doors	Gasket Assembly (with strip)	GTA
Doors	Gasket Retainer	GRS
Doors	Handle Catch	DHC
Doors	Handle Retainer	DHR
Doors	Hardware Fasteners	HWR
Doors	Hinge Assembly	HGH
Doors	Holdback Cord	DRT
Doors	locking Bar Assembly	LBA

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<b>5.1.1. Dry Vans and Open Tops, continued</b>		
<b>Assembly</b>	<b>Component</b>	<b>Component Code</b>
Doors	Panel	PAA
Doors	Security (TIR) Plate or Lug	DPL
Doors	Stiffener - Bottom edge	DSB
Doors	Stiffener - Center (line) edge	DSC
Doors	Stiffener - Hinge side edge	DSH
Doors	Stiffener - Top edge	DST
Locking Bar Assembly	Bracket	LBB
Locking Bar Assembly	Bushing	
Locking Bar Assembly	CAM	LBC
Locking Bar Assembly	Guide	LBG
Locking Bar Assembly	Handle	LBH
Locking Bar Assembly	Handle Lug	LBL
Locking Bar Assembly	Locking Bar Tube/Rod	LBR
Locking Bar Assembly	Locking Handle Assembly	DHL
Side Wall	Bottom Rail - Doubler Plate	RUP
Side Wall	Bottom Rail - Lower Flange	RLF
Side Wall	Bottom Rail - Upper Flange	RUF
Side Wall	Door Holdback Retainer	DRT
Side Wall	Panels	PAA
Side Wall	Rail Reinforce Gusset - Top and Bottom	RLG
Side Wall	Rails - Top and Bottom	RLA
Side Wall	Ventilator Assembly	VRA
Front	Cone (damage) Protector Recess	RCI
Front	Corner Post (only)	CPS
Front	Corner Post Assembly	CPA
Front	Corner Fitting	CFG
Front	Panel	PAA
Front	Rail Reinforce Gusset - Top and Bottom	RLG
Front	Rails - Top and Bottom	RLA
Roof	Header (extension) Plate - Front, Rear	HEP
Roof	Header Reinforce Gusset	RLG
Roof	Panel	PAA
Roof	Roof Steel Corrugated - complete	PSC
Roof	Roof Steel Flat (complete) including bows	RAA
Floor	Floor - Plywood	FPP
Floor	Floor - Plank	FPB
Floor	Floor - Laminated	FLP
Floor	Floor - Steel	FSP
Floor	Threshold Plate	FTP

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<b>5.1.1. Dry Vans and Open Tops, continued</b>		
<b>Assembly</b>	<b>Component</b>	<b>Component Code</b>
Floor	Hat Section/Floor Center Rail	FHS
Floor	Screws, Fasteners	HWR
Interior	Lashing Bar - Corner Posts	LSB
Interior	Lashing Rings - Top and Bottom Rails	LSR
Under Frame	Crossmember	CMU
Under Frame	Floor Support Angle	FSA
Under Frame	Fork Lift Pocket Assembly	FLA
Under Frame	Outrigger	CMO
Under Frame	Tunnel Assembly	TUA
Crossmember	Upper Flange	CMU
Crossmember	Lower Flange	CML
Fork Lift Pocket Assembly	Lower Flange	FLL
Fork Lift Pocket Assembly	Side	FLT
Fork Lift Pocket Assembly	Strap	FLS
Fork Lift Pocket Assembly	Top Plate	FLP
Fork Lift Pocket Assembly	Upper Flange	FLU
Tunnel Assembly	Bolster	TUB
Tunnel Assembly	Plate	TUP
Tunnel Assembly	Rail	RTL
Markings	ACEP	MCE
Markings	Caution Marking	MCA
Markings	Country Code	MCC
Markings	Full Set - All Markings	MFS
Markings	Height Markings	MHT
Markings	Owner's Code	MOC
Markings	Owner's Logo	MOL
Markings	Serial Number and Check Digit	MSN
Markings	Single Character (digits)	MSD
Markings	Size and Type Marking	MST
Markings	UIC Decal	MUI
Markings	Unspecified (other) Marking	MRU
Markings	Weigh (mass) Panel	MMI
Miscellaneous	Cargo Container	MCO

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**5.1.2 Open Tops Only**

Assembly	Component	Component Code
Rear	Header Pin	HGP
Rear	Header Pin Chain	HPC
Rear	Header Pin Handle	HPH
Rear	Top Rail - Swinging	RRT
Roof (Top)	Tarpaulin Assembly	TNA
Tarpaulin Assembly	Tarpaulin Grommet (yellets)	TNG
Tarpaulin Assembly	TIR Cable (customs) Seal	TNS
Tarpaulin Assembly	TIR Cord	TIC
Top Rails/Side Wall	TIR Cord Ring	TIR
Interior	Roof Bow	RBO
Interior	Roof Bow Holder	RBH
Interior	Roof Bow - Swinging	RBO

**5.2 IICL Preferred Damage Codes**

Damage Description	Code
Bent	BT
Bowed	BW
Broken/Split	BR
Burned	BN
Contaminated	CT
Corroded/Rusted	CO
Cracked	CK
Cut	CU
Debris/Dunage	DB
Delaminated	DL
Dent	DT
Dirty	DY
Foreign Marking(s)	ML
Gouged	GD
Holed	HO
Improper Repair	IR

Damage Description	Code
Loose Component	LO
Missing/Lost Component	MS
Nails In Floor	NL
No Damage Code	ZZ
Odor	OR
Oil - Saturated	OL
Oil - Stains	OS
Out of Inspection Date	OD
Paint Failure	PF
Remove Glue & Tape	GT
Rotted	RO
Scratched/Abraded	SA
Seized, Frozen	FZ
Wear and Tear	WT
Wrong Material	WM

### 5.3 IICL Preferred Responsibility Codes

<b>Description</b>	<b>Code</b>
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

### 5.4 IICL Preferred Repair Codes

<b>Damage Description</b>	<b>Code</b>
Abrasive Clean and Paint	AB
Chemical Clean	CC
Deodorize	DO
Free Seized Component(s)	FR
Grind and Weld	XW
Insert	IT
Install	IN
Lubricate	LC
Paint	PA
Partial Refurbishment	PR
Abrasive Clean and Paint	AB
Patch	PT
Preventive Maintenance	VM
Recondition/Refurbish	RC
Refit	FT
Remove and Refit or Reinstall	RR
Remove and Replace Component(s)	RP
Remove Component (without replacement)	RM
Remove Glue and/or Tape	GT
Remove Marks/Nails	MV
Resecure	RE
Sand	SD
Seal or Reseal/Caulk or Recaulk	SE
Section	SN
Spot Cleaning	
Steam Clean	SC
Straighten	GS
Straighten and Secure component(s)	RS

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<b>5.4 Repair Codes continued</b>	
<b>Damage Description</b>	<b>Code</b>
Straighten and Weld	GW
Surface Preparation (Grind) and Paint	PS
Sweep	WP
Water Wash	WW
Weld	WD

### **5.5 IICL Preferred Material Type Codes**

<b>Description</b>	<b>Code</b>
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**

<b>Description/Abbreviation</b>	<b>Code</b>
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

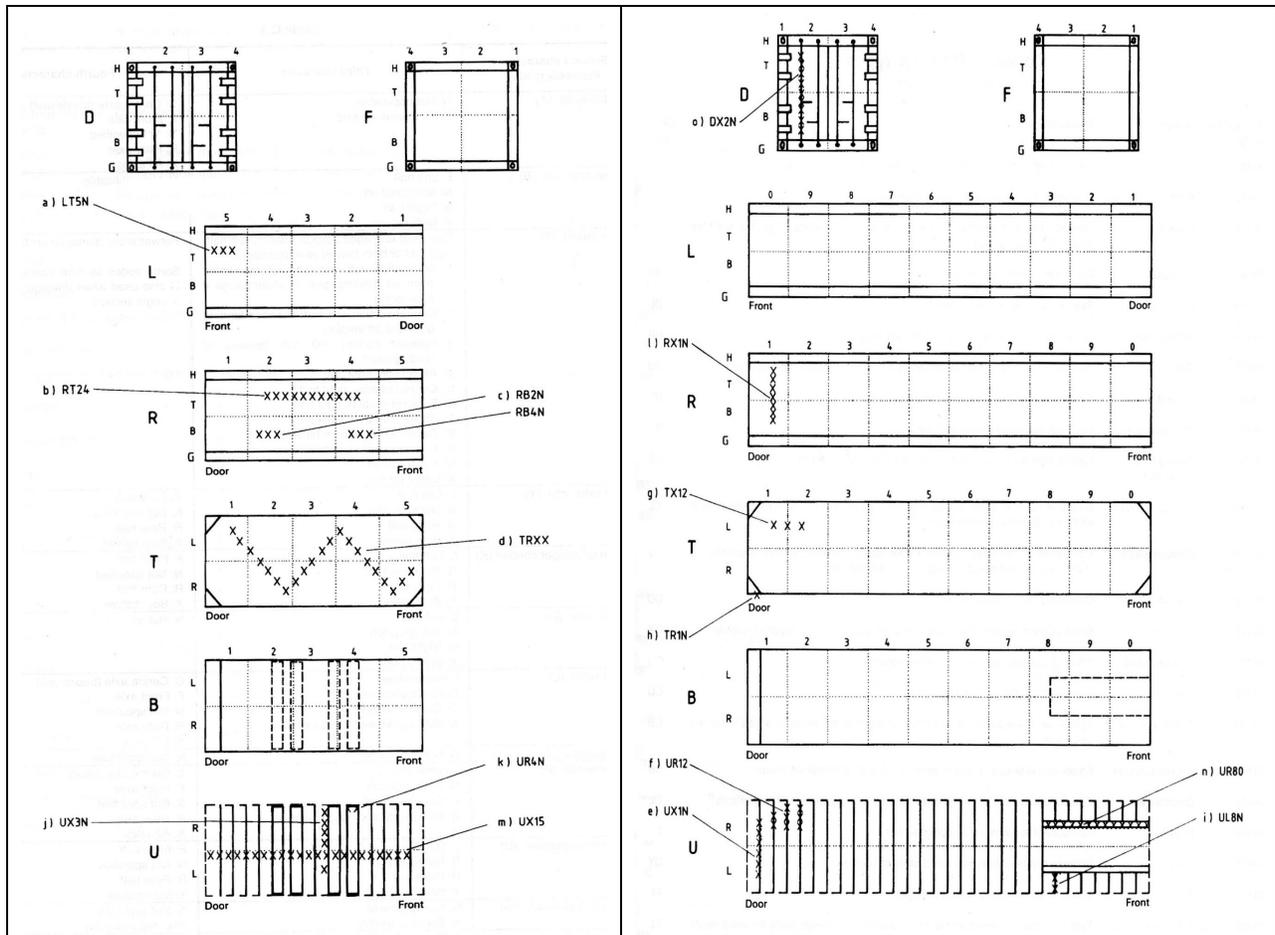
Second Character: Will identify the segment of the container where the damage is located.	
Description	Code
Upper Component	H
Lower Component	G
Top Half	T
Bottom Half	B
Left Half	L
Right Half	R
Both Halves	X

- 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 3<sup>rd</sup> character will identify the appropriate section and the 4<sup>th</sup> character will be designated with "N".  
**NOTE:** the "N" in the location code can only be used as the 4<sup>th</sup> character of the location code and never as the 2<sup>nd</sup> or 3<sup>rd</sup> 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 3<sup>rd</sup> and 4<sup>th</sup> 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,

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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 PREFERRED CODE COMBINATIONS

### 6.1 IICL Preferred Damage and Repair Code Combinations

Damage Codes		Repair Codes
BN	Burned	AB IN PS RC SN
BR	Broken, Split	IN RE RP SN
BT	Bent	GS IT SN
BW	Bowed	GS IN SN
CK	Cracked	IN SN
CL	Compression Line	GS
CO	Corroded, Rusted	AB FR PR PS RC
CT	Contaminated	CC SC WW
CU	Cut	GW IT SN
DB	Debris, Dunnage	RD
DL	Delaminated	IN RE RP SN
DT	Dent	GS IT SN
FZ	Frozen, Seized	FR
GD	Gouged	IT
HO	Holed	IT IN SN
IR	Improper Repair	IT IN RP SN
LO	Loose Component	RE
ML	Foreign Markings	MK
MS	Missing/Lost Component	IN
OR	Odor	CC SC WW
OS	Oil Stains	CC SC

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<b>6.1 IICL Preferred Damage and Repair Code Combinations (continued)</b>		
<b>Damage Codes</b>		<b>Repair Codes</b>
NL	Nails in Floor	MV
PF	Paint Failure	PR PS RC
PH	Pin Holes	PT
RO	Rotted	IT IN SN
WT	Wear & Tear	GS GW IT IN PT RP RR SN WD

**6.2 IICL Preferred Component, Location & Damage Codes: Dry Vans**

<b>Assembly</b>	<b>Component</b>	<b>Component Code</b>	<b>Location Code</b>	<b>Damage Codes</b>
Rear	CAM Keeper	RCK	DX	BR BT IR WT MS
Rear	Cone (damage) Protector Recess	RCI	DX	BT CO CU DT HO IR WT
Rear	Corner Fitting	CFG	DX	CK IR WT
Rear	Corner Post - "J" bar	CPJ	DX	BT BW CO CU DT IR WT
Rear	Corner Post - inner	CPI	DX	BT BW DT IR WT
Rear	Corner Post - outer	CPO	DX	BT BW DT GD IR WT
Rear	Corner Post (only)	CPS	DX	BT BW DT GD IR WT
Rear	Corner Post Assembly - including costs	CPA	DX	BT BW DT GD IR WT
Rear	Door Complete - with hardware	DAH	DX	BT BW CO CU DT IR WT MS
Rear	Door Complete - without hardware	DAA	DX	BT BW CO CU DT IR WT MS
Rear	Hinge Lug - Corner Post	CPL	DX	BT CK CO MS
Rear	Hinge Pin	HGP	DX	BT FZ MS
Rear	Rails - Top and Bottom	RLA	DX	BT BW CO CU DT HO IR WT
Doors	Consolidated Data Plate	MPD	DX	CO CU LO MS
Doors	Gasket	GTO	DX	BN CU IR WT MS
Doors	Gasket Assembly (with strip)	GTA	DX	BN CU IR LO WT MS
Doors	Gasket Retainer	GRS	DX	BT CO IR LO WT MS
Doors	Handle Catch	DHC	DX	BT IR LO WT MS
Doors	Handle Retainer	DHR	DX	BU IR LO WT MS
Doors	Hardware Fasteners	HWR	DX	CO IR WT MS
Doors	Hinge Assembly	HGH	DX	BR BT CO CU FZ IR WT MS
Doors	Holdback Cord	DRT	DX	BR IR WT MS MS
Doors	Locking Bar Assembly	LBA	DX	BT CO IR LO MS WT MS
Doors	Panel	PAA	DX	BT BW CO CU DT IR WT
Doors	Security (TIR) Plate or Lug	DPL	DX	BT CO CU WT MS
Doors	Stiffener - Bottom edge	DSB	DB	BT CO CU IR WT
Doors	Stiffener - Center (line) edge	DSC	DX	BT CO CU IR WT
Doors	Stiffener - Hinge side edge	DSH	DX	BT CO CU IR WT
Doors	Stiffener - Top edge	DST	DH	BT CO CU IR WT
Locking Bars	Bracket	LBB	DX	BR BT CO CU IR LO WT MS

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<b>6.2 Dry Vans, continued</b>				
<b>Assembly</b>	<b>Component</b>	<b>Component Code</b>	<b>Location Code</b>	<b>Damage Codes</b>
Locking Bars	Bushing	DHB	DX	BR CK FZ IR MS
Locking Bars	Cam	LBC	DX	BT LO MS
Locking Bars	Guide	LBG	DX	BR BT CO CU IR LO WT MS
Locking Bars	Handle	LBH	DX	BT IR LO MS
Locking Bars	Handle Lug	LBL	DX	IR WT MS
Locking Bars	Locking Bar Tube/Rod	LBR	DX	BT CO CU IR WT
Locking Bars	Locking Handle Assembly	DHL	DX	BT IR LO WT MS
Sides	Bottom Rail - Double Plate	RUP	BX	BT CO CU IR WT MS
Sides	Bottom Rail - Lower Flange	RLF	GX	BT CO CU IR WT
Sides	Bottom Rail - Upper Flange	RUF	GX	BT CO CU IR WT
Sides	Door Holdback Retainer	DRL	XX	BT CO WT MS
Sides	Panels	PAA	XX	BT BW CO CT CU DT HO IR PF WT
Sides	Rail Reinforce Gusset - Top and Bottom	RLG	XX	BT CO CU IR WT MS
Sides	Rails - Top and Bottom	RLA	XX	BT BW CO CU DT HO IR WT
Sides	Ventilator Assembly	VRA	XH	BT CO CK IR LO WT MS
Front End	Cone (damage) Protector Recess	RIC	FG	BT CO CU DT HO IR WT
Front End	Corner Post (only)	CPS	FX	BT BW DT GD IR WT
Front End	Corner Post Assembly	CPA	FX	BT BW DT GD IR WT
Front End	Corner Fitting	CFG	FX	CK IR MS
Front End	Panel	PAA	FX	BT BW CO CT CU DT HO IR PF WT
Front End	Rail Reinforce Gusset - Top and Bottom	RLG	FX	BT CO CU IR WT MS
Front End	Rails - Top and Bottom	RLA	XX	BT BW CO CU DT HO IR WT
Roof	Header (extension) Plate - Front & Rear	HEP	TX	BT BW CO CU DT IR WT
Roof	Header Reinforce Gusset	RLG	TX	BT CO CU DT HO IR WT MS
Roof	Panel	PAA	TX	BT BW CO CT CU DT HO IR PF WT
Roof	Roof Steel Corrugated - complete	PSC	TX	BT BW CO CU DT HO IR PF WT
Roof	Roof Steel Flat (complete) including bows	RAA	TX	BT BW CO CU DT HO IR PF WT
Floor	Floor - Plywood	FPP	IX	BR BN CT DB DL DY HO IR LO CK NL OL OS RO WT WM
Floor	Floor - Plank	FPB	IX	BR BN CT DB DL DY HO IR LO CK NL OL OS RO WT WM

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<b>6.2 Dry Vans, continued</b>				
<b>Assembly</b>	<b>Component</b>	<b>Component Code</b>	<b>Location Code</b>	<b>Damage Codes</b>
Floor	Floor - Laminated	FLB	IX	BR BN CT DB DL DY HO IR LO CK NL OL OS RO WT WM
Floor	Floor - Steel	FSP	IX	BT CO CT CU DB DT DY IR OS WT
Floor	Threshold Plate	FTP	IX	BT CO CU HO IR LO WT MS
Floor	Hat Section/Floor Center Rail	FHS	IX	BR BT CO IR WT MS
Floor	Screws, Fasteners	HWR	IX	CO LO WT MS
Interior	Lashing Bar -Corner Posts	LSB	IX	BT CU IR WT MS
Interior	Lashing Rings - Top and Bottom Rails	LSR	IX	BT CU IR WT MS
Under Frame	Crossmember Assembly	CMA	UX	BT BW CO CU IR LO WT MS
Under Frame	Floor Support Angle	FSA	UX	BT CO CU IR WT MS
Under Frame	Fork Lift Pocket Assembly	FLA	UX	BT BW CO CU IR WT
Under Frame	Outrigger	CMO	UX	BT BW CO CU IR LO WT MS
Under Frame	Tunnel Assembly	TUA	UX	BT BW CO CU HO IR WT
Crossmember	Upper Flange	CMU	UX	BT BW CO CU IR WT
Crossmember	Lower Flange	CML	UX	BT BW CO CU IR WT
Fork Pocket	Lower Flange	FLL	UX	BT BW CO CU IR WT
Fork Pocket	Side	FLT	UX	BT BW CO CU IR WT
Fork Pocket	Strap	FLS	UX	BT CO CU IR WT MS
Fork Pocket	Top Plate	FLP	UX	BT BW CO CU IR WT
Fork Pocket	Upper Flange	FLU	UX	BT BW CO CU IR WT
Tunnel	Bolster	TUB	UX	BT BW CO HO IR WT
Tunnel	Plate	TUP	UX	BT CO CU IR WT
Tunnel	Rail	RTL	UX	BT BW CO HO IR WT
Markings	ACEP	MCE	DX	IR LO ML OD SA WT MS
Markings	Caution Marking	MCA	XX	IR LO ML SA WT WM MS
Markings	Country Code	MCC	XH	IR LO ML SA WT WM MS
Markings	Full Set - All markings	MFS	XX	IR LO ML SA WT WM MS
Markings	Height Markings	MHT	XH	IR LO ML SA WT WM MS
Markings	Owner's Code	MOC	DX	IR LO ML SA WT WM MS
Markings	Owner's Logo	MOL	DX	IR LO ML SA WT WM MS
Markings	Serial Number and Check Digit	MSN	XH	IR LO ML SA WT WM MS
Markings	Single Character (digits)	MSD	XH	IR LO ML SA WT WM MS
Markings	Size and Type Marking	MST	XH	IR LO ML SA WT WM MS
Markings	UIC Decal	MUI	XH	IR LO ML SA WT WM MS
Markings	Unspecified (other) Marking	MRU	XX	IR LO ML SA WT WM MS

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<b>6.2 Dry Vans, continued</b>				
<b>Assembly</b>	<b>Component</b>	<b>Component Code</b>	<b>Location Code</b>	<b>Damage Codes</b>
Markings	Weight (mass) Panel	MMI	DH	IR LO ML SA WT WM MS
Miscellaneous	Cargo Container	MCO	XX	CT DY FQ OR SA

**6.3 IICL Preferred Component, Location & Damage Codes: Open Tops**

<b>Assembly</b>	<b>Component</b>	<b>Component Code</b>	<b>Location Code</b>	<b>Damage Codes</b>
Rear	Header Pin	HGP	DH	BT BK FZ MS
Rear	Header Pin Chain	HPC	DH	BK MS
Rear	Removable/Swinger Header	RRT	DH	BT BW DT CO CU FZ IR
Side Wall	Tarpaulin Seal	TNS	TX	BK BT MS
Roof (Top)	Tarpaulin Assembly	TNA	TX	CU HO IR MS
Tarpaulin Assembly	Tarpaulin Grommet	TNG	TX	BK BT CO MS
Tarpaulin Assembly	TIR Cord	TIC	TX	BT LO MS
Top Rails	TIR Cord Ring	TIR	TX	GT BK CU MS
Interior	Roof Bow	RBO	TX	BT CU LO
Interior	Roof Bow Holder	RBH	TX	BT BK CU MS

## 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

<b>Unit Number:</b> <b>Equipment Type:</b> <b>Turn In Date:</b> <b>Estimate Date:</b> <b>On-Hire Date:</b> <b>Labor Rate:</b> <b>Manufacturer/YR/MO:</b> <b>DPP Coverage (Y) or (N)</b> <b>Original Estimate Date:</b>	<b>Depot:</b> <b>Customer:</b> <b>Estimate Number:</b> <b>Lease Out Location:</b> <b>Estimate Number:</b> <b>Revision Number:</b> <b>Unit Measure:</b> <b>Estimate Currency:</b>
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Item Number	Component Code	Location Code	Damage Code	Repair Code	Length	Width	Quantity	Party	Labor Hours	Material Cost	Total Cost
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Summary	Labor Hours	Labor Cost	Material Cost	Material Tax	Total
Damage					
User/Lessee					
DPP/Insurance					
Maintenance					
Owner/Lessor					
<b>Total</b>					

**Comments:**

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(SAMPLE)

REPAIR ESTIMATE

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

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

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
<b>Total</b>	<b>2.0</b>	<b>80.00</b>	<b>6.00</b>	<b>3.00</b>	<b>89.00</b>

**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 the  
attention of Gary Danback  
E-mail:  
[edisinquiry@iicl.org](mailto:edisinquiry@iicl.org)**

## **9.0 DATA ERRORS**

In the event of data errors or error messages occurring, you should refer to your EDI vendor. For your information, several useful links and contacts are listed below:

### **IAS**

Steve Dowse  
[sdowse@interasset.com](mailto:sdowse@interasset.com)  
1-510-387-4739

### **Newport West**

[www.nwds.com](http://www.nwds.com)  
Michael Sledge  
[mlsedge@nwds.com](mailto:mlsedge@nwds.com)  
1-925-855-1131 ext. 15

### **J.E.I.**

John Evans  
[support@johnevensinternational.com](mailto:support@johnevensinternational.com)  
44 161 456 4896

### **Sterling Commerce**

John Christensen  
[john\\_Christensen@stercomm.com](mailto:john_Christensen@stercomm.com)  
1-206-322-7113

**10.0 USEFUL LINKS (IICL MEMBERS)**

<p><b>Amphibious Container Leasing Ltd. (Amficon)</b> Ancells Court, Ancells Park Fleet, Hampshire GU51 2UY United Kingdom Tel: +44 (0) 1252 812266 Fax: +44 (0) 1252 812332</p>	<p><b>Carlisle Leasing International, LLC</b> <a href="http://www.carlisleleasing.com">www.carlisleleasing.com</a> 1 Maynard Drive Park Ridge, NJ 07656 Tel: +1 201 391 0800 Fax: +1 201 391-0356</p>
<p><b>Container Applications International, Inc. (CAI)</b> <a href="http://www.capps.com">www.capps.com</a> 550 Kearny Street, Suite 950 San Francisco, CA 94108 Tel: +1 415 788 0100 Fax: +1 415 788 3430</p>	<p><b>Cronos Containers Ltd.</b> <a href="http://www.cronos.com">www.cronos.com</a> 444 Market Street, 15th Floor San Francisco, CA 94111 Tel: +1 415 677 8990 Fax: +1 415 677 9196</p>
<p><b>Flexi-Van Leasing Inc.</b> <a href="http://www.flexi-van.com">www.flexi-van.com</a> 251 Monroe Avenue Kenilworth, NJ 07033-1106 Tel: +1 908 276 8000 Fax: +1 908 276 7666</p>	<p><b>Florens Container Services (U.S.) Ltd.</b> <a href="http://www.florens.com">www.florens.com</a> 303 Second Street, Suite 355 South San Francisco, CA 94107-1328 Tel: +1 415 348 2800 Fax: +1 415 348 2888</p>
<p><b>GE SeaCo SRL</b> <a href="http://www.geseaco.com">www.geseaco.com</a> Sea Containers House 20 Upper Ground London SE1 9PF U.K. Tel: +44 (0) 20 7805 5000 Fax: +44 (0) 20 7805 5900</p>	<p><b>Gold Container Corp.</b> <a href="http://www.touax.com">www.touax.com</a> Tour Arago, 5, rue Bellini 92806 Puteaux la Defense France Tel: +33 (0) 1 46 96 18 10 Fax: +33 (0) 1 46 96 18 15</p>
<p><b>Interpool, Inc.</b> <a href="http://www.interpool.com">www.interpool.com</a> 211 College Road East Princeton, NJ 08540 Tel: +1 609 452 8900 Fax: +1 609 452 8211</p>	<p><b>Textainer Equipment Management (U.S.) Ltd.</b> <a href="http://www.textainer.com">www.textainer.com</a> 650 California Street, 16th Floor San Francisco, CA 94108 Tel: +1 415 434 0551 Fax: +1 415 434 0599</p>
<p><b>TRAC Lease, Inc.</b> <a href="http://www.interpool.com">www.interpool.com</a> 633 Third Avenue New York, NY 10017 Tel: +1 212 986 3388 Fax: +1 212 986 3984</p>	<p><b>Transamerica Leasing Inc.</b> <a href="http://www.tradexonline.com">www.tradexonline.com</a> 100 Manhattanville Road Purchase, NY 10577-2135 Tel: +1 914 251 9000 Fax: +1 914 697 2549</p>
<p><b>Triton Container International Ltd.</b> <a href="http://www.tritoncontainer.com">www.tritoncontainer.com</a> 55 Green Street, Suite 500 San Francisco, CA 94111 Tel: +1 415 956 6311 Fax: +1 415 421 5318</p>	

## 11.0 GLOSSARY

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

<b>ACKNOWLEDGEMENT</b>	A specific type of EDI segment used within EDI to indicate acceptance or rejection of an entity.
<b>ANSI</b>	American National Standards Institute ( <a href="http://www.ansi.org">www.ansi.org</a> ).
<b>ANSI X12</b>	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.
<b>ASYNCHRONOUS</b>	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.
<b>BISYNCHRONOUS</b>	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.
<b>COMPONENT ELEMENT</b>	In EDIFACT, a sub-element of a composite data element.
<b>COMPONENT ELEMENT SEPARATOR</b>	A character separating component data elements.
<b>COMPOSITE DATA ELEMENT</b>	In EDIFACT, an element that consists of multiple component data elements.
<b>CONTROL STRUCTURE</b>	The beginning and end (header and trailer) segments for entities in EDI.
<b>CUSTOMER INTERFACE</b>	A customer computer program to “map” data from an EDI standard into the proprietary format required by a computer application.
<b>DATA DICTIONARY</b>	The publication that defines all of the elements for which a standard exists.
<b>DATA ELEMENT</b>	The fundamental unit of EDI data (e.g. Container Number).
<b>DATA ELEMENT SEPARATOR</b>	Used to delimit the boundaries of a data element. It precedes each data element within a segment.
<b>DATA SEGMENT</b>	A data segment is the intermediate unit of information in a message. A segment consists of a pre-defined set of functionally related data elements that are identified by their sequential positions within the set. A segment

## *Preferred EDIS for the Container Industry*

<b>DATA SEGMENT (continued)</b>	begins with a segment identifier – a three-character upper case alphabetic code that identifies each segment and ends with a segment terminator.
<b>DELIMITER</b>	A character that separates elements. A delimiter tells the computer where one element ends and the next one begins.
<b>DOWNLOAD</b>	To transfer information from a large computer to a smaller computer.
<b>E-MAIL</b>	The electronic exchange of “free form” messages and letters, used primarily as a way to improve communications between people.
<b>EDI</b>	Electronic Data Interchange. The electronic exchange of standard business documents between the computers of two trading partners.
<b>EDIFACT</b>	EDI for Administration Commerce and Trade. The standard for international EDI created by the International Standards Organization (ISO).
<b>EDIS</b>	The acronym for equipment data interchange standard web site for container industry users.
<b>EDI STANDARDS</b>	A defined standardized format for transaction sets.
<b>ELEMENT</b>	The smallest item of information in the standard. Comparable to a “field”.
<b>FLAT FILE</b>	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.
<b>FIXED LENGTH FORMAT</b>	A computer flat file format that requires each line (segment) of information to be a specific length.
<b>FUNCTIONAL ACKNOWLEDGEMENT</b>	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.
<b>FUNCTIONAL GROUPS</b>	Similar transaction sets transmitted from the same location, bounded by Functional Group Header and Functional Group Trailer segments.
<b>FUNCTIONAL GROUP ENVELOPE</b>	An EDI envelope that separates different types of transaction sets.

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<b>HUB COMPANY</b>	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.
<b>INTERCHANGE</b>	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.
<b>INTERCHANGE ACKNOWLEDGEMENT</b>	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.
<b>INTERCHANGE ENVELOPE</b>	An EDI envelope that contains all the transaction sets for a particular trading partner.
<b>INTERCHANGE HEADER</b>	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).
<b>INTERCHANGE TRAILER</b>	Contains information to match it with its Interchange Header and audit trailer information to ensure that no data was lost during the transmission.
<b>ISO</b>	International Standards Organization ( <a href="http://www.iso.org">www.iso.org</a> ).
<b>PROTOCOL</b>	Methods of communicating data over telephone lines.
<b>PUBLIC STANDARDS</b>	EDI standards that are used by multiple industries and are developed and maintained by open organizations.
<b>SEGMENT</b>	Segments are related to data elements in a defined sequence, a “logical record”.
<b>SEGMENT TAG</b>	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.
<b>SEGMENT TERMINATOR</b>	A character that separates segments. A segment terminator tells the computer where one segment ends and the next begins. The terminator is defined in the Interchange Header.

## *Preferred EDIS for the Container Industry*

<b>SPOKE COMPANY</b>	A trading partner of a hub company.
<b>STANDARDS BODIES</b>	Organizations and/or committees that develop EDI standards.
<b>SUB-ELEMENT</b>	A portion of a larger composite data element.
<b>SUB-ELEMENT SEPARATOR</b>	A single character used to separate the components or an element.
<b>THIRD-PARTY NETWORK</b>	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.
<b>TRANSACTION SETS</b>	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.
<b>TRANSLATION SOFTWARE</b>	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.
<b>VARIABLE LENGTH FORMAT</b>	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.