Generic Invoice Billing

MW Input File Layouts, Edits, & Error Codes

P8 Document Location: IT-Customer Care and Billing Retail Solutions > Billing > System Documentation > Generic Invoice Billing > MW Region Documents > MW Input File Layouts, Edits, & Error Codes

Version Control Table

Version	Date	Changed by	Description of Change	Project # / Release
1.00	10/11/04	Barbara Seidman	Initial document.	N/A
1.01	08/05/05	Barbara Seidman	Added Duplicate OBID Pack header edit and error code 5040.	546834 / 0504
			Removed Call Icon and Legend edit and error codes 7065 and 7565.	550402 / 0508
			Added Marketing Message Code 3 & 4 fields, edits, and error codes 1056 and 1057.	552981 / 0510
			Increased number of text lines allowed for a Marketing message from 15 to 30.	552981 / 0510
1.02	02/21/06	Barbara Seidman	Removed post-purchase error codes 4054 and 7590 since they duplicate pre-purchase errors. Changed the description of error code 4056 from post-purchase to ACIS, since if it occurs after pre-purchase, it would be from ACIS only. The CAMPS post-purchase error was removed.	555772 / 0602
1.03	06/27/06	Barbara Seidman	Replaced 'SBC' with AT&T' due to merger.	N/A
1.04	12/26/06	Barbara Seidman	Added info about AT&T LD (CIC 05500) use of the 015127 record pos. 197 'Reserved' field for their internal purposes only for the AT&T LD Call Detail Suppression Project Phase 4. AT&T LD calls this field 'Section Indicator'. This field is not used by the LEC and there was no LEC project.	557687 / 0608
			Added IC Account Number Overflow 2 field to all records that contain the IC Account Number Overflow field. Also added edits and error codes for the new field. The specific records, field positions, and error codes for the IC Account Number Overflow 2 field are: 015121 pos. 201-202, EC 1008; 015127 pos. 211-212, EC 4008 and 4095; 015124, pos 201-202, EC 8207. This field will be used by Cingular CIC's 50009 and 50910 only.	286176 / 0702
			Added a second Invoice porting/guiding check on the Billing Number by IC Extraction Date in addition to the standard Date of Earliest Message guiding functionality. This second date check will only occur if selected for a specific carrier.	287512 / 0706
1.05	04/06/07	Barbara Seidman	Added an edit to the Multiple Summary Indicator field on the 015121 record. If the field value is not = '1' or '0' or space, then new error code 1003 is invoked and the invoice is rejected. Removed part of the edit for the Cat. 82 record Phrase Message Code (pos. 168 – 172) that matches against the TAM0815 record.	289392 / 0710

1.06	10/26/07	Barbara Seidman	Modified 'Font Indicator' (pos. 101-102) edit on the 435104 record to add value '31'. Added new field 'Bill Line Attribute' (pos. 172) on the 015127 record with new edits and error codes 4053 and 4054. Added new field 'Print Block Indicator' (pos 197) on the 015127 record with new edits and error codes 4001 and 4002. Added new field 'Code Override' (pos 75-77) on the 81/82 records with new edits and error codes 7082 for 81 record and 7582 for the 82 record. Modified 'Call Icon' (pos 186-187) edit on the 81/82 records to not allow specific data in addition to current edits for error codes 7087 for the 81 record and 7578 for the 82 record. Added new field 'Bill Line Attribute' (pos 185) on the 81/82 records with new edits and error codes 7083 for 81 record and 7583 for the 82 record.	299986 / 0802
1.07	08/08/08	Barbara Seidman	Modified edits for various fields and added some Enterprise Generic Invoice field names due to streamlining the Mobility Generic Invoice Process. IGD will no longer receive the Mobility Enterprise Generic Invoice format files and do conversions on some of the fields to MW Generic Invoice format. CAMPS will receive the Mobility files directly in the Enterprise Generic Invoice format. CAMPS will do field conversions from Enterprise to MW format before editing or have modified edits to accommodate the incoming data as is.	310765 / 0902
1.08	02/17/09	Barbara Seidman	Added CAMPS field conversion information for Enterprise to MW format to the specific records (015121, 015127, 81/82xxxx, and 015124).	310/765 / 0902
1.09	09/24/09	Barbara Seidman	Added CAMPS field conversion information and modified edits due to the addition of DirecTV as an Enterprise Generic Invoice Carrier.	PID 177094 PMT 340186 / 0910
1.10	02/16/10	Barbara Seidman	Added Edits and Error Codes for various fields to enhance the bill format for column headings and indentation issues at the request of Mobility. New error codes are: 4039, 4041, 4043, 4045, 4047, 4049, 4051, 4055, 4074, 4080, 7072, and 7572.	PID 182734 PMT 344134 / 1002

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Document Information

Document Description

This document provides the Midwest input file layouts, field edits, and errors for Invoice for the generic Invoice Ready Billing product. These layouts are based on the OBF/EMI Industry Standard Document. However there is some customization.

Invoice Input Billing Files

Invoice Input Billing files are forwarded electronically to the Midwest data center for processing. Each Invoice Input Billing file type will have a specific dataset name. Edits are included in this document for the Pack Records (202205 – header, 202206 – trailer) and the following file types:
1.   Invoice Files (015121 – Marketing Summary, 015127 - Phrase Summary, 81xxxx – Detail Charges, 82xxxx – Detail Credits) -- sent daily as needed
2.   Invoice Post Billing Adjustment Files (015124) -- sent daily as needed
3.   Invoice Text Files (435102 – Marketing Message, 435104 – Invoice Phrase) -- sent monthly or on an emergency basis as needed

Input Invoice Billing files are in fixed block record format with an LRECL of 220 bytes. Each file type may contain multiple packs. Text files are sent to a single Send To/Billing RAO combination. Separate packs are required for each Text Record Type (i.e., 435102s must be packed separately from 435104s).

Input File Layouts, Field Edits and Error Code Definitions

1.   Data Type '9' = numeric (0-9). Default = zeros when field not used.
2.   Data Type 'X' = alphanumeric (A-Z, 0-9, and spaces-unless specifically stated otherwise). Default = spaces when field not used.
3.   Error Action 'Pack Reject' means entire pack will be rejected.
4.   Error Action 'Invoice Reject' means only the specific Invoice in the pack will be rejected.
5.   Error Action 'Adjustment Reject' means only the specific Adjustment in the pack will be rejected.
6.   Error Action 'Pack Warning' means that entire pack is accepted, but a warning is listed on an error report.
7.   Error Action 'Invoice Warning' means that the specific invoice is accepted, but a warning is listed on an error report.
8.   Error Action 'Adjustment Warning' means that the specific adjustment is accepted, but a warning is listed on an error report.
9.   Error Action 'Text Warning' means that the specific text message is accepted, but a warning is listed on an error report.
10. The Error Code is also used as the Return Code.
11. Unbillable (unguidable) errors are included in this document.

Color Code Key:

1. Black is Generic Invoice.
2. Blue is IDB only.
3. **Orange is Mobility only.**

EMI Pack Header File Layout, Edits, and Error Codes -202205

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Record Id	001-006 6	X	Type of record. The field consists of three sub-fields with two digits each for the category, Group, and Record Type.	Valid values: 202205. The first record in a pack must be the pack header record with Record Id = 202205.	Header Record Missing on Pack	Pack Reject	0030
Date Created	007-012 6	9	Date the record was created.	Format: YYMMDD Valid values: YY = 00-99, MM = 01-12, DD = 01-31. 1. Must be a valid date. Day value must be valid for the associated month. 2. Date must be equal to or less than current system date.	1. Invalid Date Created 2. Date Later Than Current Date	Pack Reject	1. 5002 2. 5003
Invoice Number (aka Pack Sequence Number)	013-014 2	9	Sequentially assigned control number. Sequence is unique within a Carrier ID, Send To RAO/ Billing RAO and IC Data Center for a given pack type	Valid values: 01-99. After 99 start again at 01. 1. Must be a valid value. 2. For Invoice and Text Packs for carriers other than DirecTV, the Invoice Number must be one greater than the previous pack of the same type for a Send To RAO/Billing RAO for a sending IC Data Center for a given CIC. For DirecTV, sequence checking is only for Invoice packs. No sequence checking for DirecTV Text packs. 3. For Invoice and Text Packs for carriers other than DirecTV, the Invoice Number must not be duplicated. For DirecTV, duplicate checking is only for Invoice packs. No duplicate checking for DirecTV.	1. Pack Sequence Number Not Eq 01Thru 99. 2. Out of Sequence Pack Sequence Number 3. Duplicate Pack Sequence	Pack Reject	1. 5004 2. 5005 3. 5006

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Bell Company Id Number	015-016 2	9	Industry assigned numeric field used to uniquely identify each Midwest state Telco (previously known as AOC – Ameritech Operating Company).	Valid values: 00, 21,23,25,27,29 00 = Enterprise Default used by DirecTV for Text Packs. 21 = Ohio 23 = Michigan 25 = Indiana 27 = Wisconsin 29 = Illinois Edit is for Invoice packs only, '00' is not a valid value for Invoice packs. Note: Regional Default = 23 Must equal a valid value.	Invalid AOC Company Number	Pack Reject	5007
Carrier ID	017-019 3	9	Carrier ID unexpanded. Not used.	No edits.	None	N/A	N/A

Send To RAO	020-022
	
	3
		X	Main RAO to which a pack is directed.
			Obtained from the NPA/NXX/Bill Period/RAO file
			OR
			Generic internal Midwest RAO values when not using Industry standard RAO's:
			    980 (BTN - Line/Date guiding)
			    995 (BTN - Line/Cus Code guiding)
				Valid values:
				
				WI OH IL MI IN
				088 082 081 083 080
				              086 084
				              097 095
				              098 096
				              196
				
				Generic RAO Line/Date Guiding = 980
				Generic RAO Line/Cus Code guiding = 995
				
				For Invoice and Text Packs for carriers other than DirecTV, must be valid Send To/Billing RAO combination. For DirecTV, RAO edit is only for Invoice packs. No RAO edit for DirecTV Text packs.
				
				NOTES:
				
				If standard RAO or 980 RAO provided, then Earliest Message Date guiding will be used.
				
				If 995 RAO is provided, then CUS Code guiding will be used.
					Invalid Send To RAO Within an EC	Pack Reject	5011

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Billing RAO	023-025 3	X	RAO to which the pack is directed for billing. Obtained from the NPA/NXX/Bill Period/RAO file OR Generic internal Midwest RAO values when not using Industry standard RAO's: 980 (BTN - Line/Date guiding) 995 (BTN - Line/Cus Code guiding)	Valid values: WI OH IL MI IN 088 050 081 083 080 089 057 086 084 320 201 079 087 095 321 202 082 097 096 305 185 098 224 328 196 227 329 203 228 330 204 229 234 294 465 295 467 Generic RAO Line/Date Guiding = 980 Generic RAO Line/Cus Code guiding = 995 1. Must be valid Billing RAO within a state. 2. Must be valid Billing/Send To RAO combination within a state. For Invoice and Text Packs for carriers other than DirecTV, must be valid Send To/Billing RAO combination. For DirecTV, RAO edit is only for Invoice packs. No RAO edit for DirecTV Text packs. NOTES: If standard RAO or 980 RAO provided, then Earliest Message Date guiding will be used. If 995 RAO is provided, then CUS Code guiding will be used.	1. Invalid Billing RAO Within an EC 2. Inval Billing/Send To RAO COMB Within EC NOTE: EC = Exchange Carrier AKA Telco or LEC	Pack Reject	1. 5014 2. 5016
IC Data Center (aka IC/DC)	026-027 2	9	Invoice Originator (IO) ,aka Invoice Carrier - IC who created the Invoices.	Valid values: 00-99. Must be numeric. NOTE: Defined by the IC.	Invalid IC Data Center Code	Pack Reject	5018

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Operating Company Number (OCN) (aka Indep. ID or IEC ID)	028-031 4	X	Independent Exchange Company Identification Number (IEC ID) for this pack. (Independent OCN for this pack).	Valid values: 0000 - 9999 Must be numeric.	Invalid IEC ID Number	Pack Reject	5020
Host RAO	032-034 3	X	CMDS Host RAO. Not Used.	No edits.	None	N/A	N/A
Indicator 14	035 1	9	Indicates the Carrier Identification Code (CIC) Expanded field is populated.	Valid values: 7 7 = four digit CIC & no modules. No edits.	None	N/A	N/A
Carrier ID Expanded (aka CIC)	036-039 4	9	Billing entity for the pack.	Valid values: 0000-9999 Must be numeric and in the carrier table or an abend will occur. Carrier ID must match the carrier being processed in the file or the pack will reject.	Invalid Carrier ID.	Pack Reject	5010
Indicator 29 (aka Pseudo CIC)	040 1	9	This is the indication that the Billing Entity (CIC) is a pseudo CIC. A pseudo CIC doesn't carry messages over the network. A pseudo CIC is not assigned an Industry Standard CIC. A pseudo CIC is an other type of Billing Entity.	Valid values: 0, 1, 2, 3, 4, 5, or 9. 0 = Industry Standard Carrier 1= Alternate Carrier Billing Identification 2 = Radio Common Carrier (RCC) 3 = Enhanced Service Provider 4 = Information Provider 5 = Wireless 9 = Local Use No edits.	None	N/A	N/A
Local IC Information	041-046 6	9	Reserved for Local Inter-exchange Carrier Information. Not used. Note: Enterprise format has ACNA in pos. 44-46.	No edits.	None	N/A	N/A
Reserved	047-054 8	9	Reserved for Industry determined information. Not used.	No edits.	None	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
IC Return Code 1	055-058 4	9	Inter-exchange Carrier Return Code. Not used on input. If pack errors, Telco puts in return code on returned packs. Note: OBF/EMI format is Reserved.	No edits.	None	N/A	N/A
Reserved	059-099 41	9	Reserved for Industry determined information. Not used. Note: OBF/EMI format is IC Return Code 1 in pos. 65 – 68.	No edits.	None	N/A	N/A
Invoice Billing Pack Type Indicator (aka Pack Type Ind.)	100 1	9	Indicates type of records in the pack.	Valid values: 0, 1, 2, 4, or 6 0 = Non-Invoice Adjustments 1 = Invoice 2 = Invoice Adjustments 2 = Emergency Text (IDB only) 4 = Text 6 = Emergency Text An abend will occur if the Text packs (4 or 6) are processed in the Invoice or Adjustment streams. Invoice Pack type must match Invoice Record ID. Adjustment Pack Type must match Adjustment Record ID.	Invalid Pack Type Indicator	Pack Reject	5023
Grand Total Revenue	101-110 10	S9	Grand Total Revenue of records in pack. Not used	No edits.	None	N/A	N/A
Grand Total Record Count	111 – 117 7	9	Grand Total number of records in pack. Not used.	No edits.	None	N/A	N/A
Time Created	118-121 4	9	Indicates time record created.	Format: HHMM Valid values: HH = 00 – 23 (hours) MM = 00 – 59 (minutes) Should be numeric.	Invalid Time Created. Note: Pack is not rejected, it is a warning only.	Pack Warning	5025

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Indepen-dent EC Indicator (IEC)	122 1	9	Identifies the pack as messages to be billed by the Midwest Telco (BOC Billed).	Valid values: zero Must = zero.	Invalid IEC Indicator value	Pack Reject	5027
Reserved	123-127 5	9	Reserved for Industry determined information. Not used. Note: Enterprise format has Client ID in pos. 123-126 and Reserved in pos. 127.	No edits.	None	N/A	N/A
Status Code	128 1	9	Identifies a pack as an original transmission or a resend of invoices.	Valid values: 0,1 0 = Original transmission 1 = Resend transmission Should be 0 or 1.	Invalid Status code Note: Pack is not rejected, it is a warning only.	Pack Warning	5029
Reserved	129-175 47	X	Reserved for Industry determined information. Not used.	No edits.	None	N/A	N/A
Reserved	176-181 6	X	Not used. Note: OBF/EMI format is Process Date.	No edits.	None	N/A	N/A
Reserved	182-185 4	x	Not Used. Note: OBF/EMI format is Process Time.	No edits.	None	N/A	N/A
Obligation Id (aka OBID)	186-193 8	9	Used by Invoice Originator (IO) for Invoice tracking purposes.	Valid values: 00000000-99999999 1. For Invoice packs, OBID must be numeric but not all zeros. For Text packs, OBID must be numeric. (All zeros are allowed.) 2. For Invoice packs, OBID must be unique within a 330 day period. For Text packs, no unique OBID is required.	1. Invalid Obligation ID 2. Duplicate OBID on Pack Header	Pack Reject	1. 5031 2. 5040

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Billing Date	194-199 6	9	Telco Billing Date Note: This field is not used to determine the Telco Billing Date so it isn't important to have an actual Telco Billing Date. Any date is sufficient.	Format: YYMMDD Valid values: YY = 00-99 (Year) MM = 01-12 (Month) DD = 01-31 (all months but Feb. = 01–29) Note: All zeros are valid for text and empty invoice or adjustment packs. Should be valid date in yymmdd format.	Not a valid EC Billing Date Notes: Pack is not rejected, it is a warning only. EC = Exchange Carrier. .	Pack Warning	5033
Run Number	200-202 3	9	Used by an Invoice Originator (IO) to provide a unique number to identify a transmission on the header record of Invoice and Adjustment Packs.	Valid values: 000-999 Run Number should be numeric. Default = 001	Invalid Run Number Note: Pack is not rejected, it is a warning only.	Pack Warning	5035
Pack Accept Indicator	203 1	9	Indicates if a pack of invoices is accepted, accepted conditionally (with errors and/or warnings) or rejected by the Telco.	Valid values: zero On the original transmission from the IO to the Telco of an Invoice, Text or Adjustment Pack, this field should equal zero. For Packs sent from the Telco to the IO, this field must contain a valid value as follows: 1 = Accepted 2 = Accepted – conditionally (May contain errors and/or warnings) 3 = Rejected - Sequence Table Updated 4 = Dummy Record 5 = Rejected - Sequence Table Not Updated	Pack Accept Indicator not equal zero Note: Pack is not rejected. It is a warning only for the transmission from the IO to the Telco. The Pack Accept Indicator will be changed to zero.	Pack Warning	5036

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Percent in Error	204-207 4	9	Indicates the percent of invoices rejected (invoice rejects only) per pack. Not used on input from IO. Used by Telco on return to IO.	Valid values: zeros 1. On the original transmission from the IO to the Telco, this field should be numeric. 2. On the original transmission from the IO to the Telco of an Invoice, adjustment, or Text Pack, this field should equal all zeros. 3. On the Pack Advice File sent from the Telco to the IO, this field may contain a value of 000.0 to 100.0 depending on the percent of invoices rejected. If the pack exceeds the IO designated threshold, then the whole pack is rejected.	1. Percent in error not numeric 2. Percent in err conflicts with file type (i.e. percent in error not zeros) 3. Pack rejected – error threshold exceeded Note: Pack is not rejected, warning only for 5037 and 5038 error codes for the transmission from the IO to the Telco. Pack is rejected with 5530 error code when error threshold selected by IO is exceeded.	Pack Warning Pack Warning Pack Reject	1. 5037 2.5038 3. 5530
Warning Indicator	208 1	9	Indicates if warnings are found in a pack of invoices. Not used on input from IO. Used by Telco on return to IO.	Valid values: zero On the original transmission from the IO to the Telco of an Invoice, Adjustment, or Text pack, this field should equal zero. On the Pack Advice File from the Telco to the IO, this field must contain a valid value as follows: 0 = No Warning Errors detected by the Telco 1 = Warnings Errors detected by the Telco	Warning indicator conflicts with file type (i.e. Warning indicator not = zero) Note: Pack is not rejected. If is a warning only for the transmission form the IO to the Telco. The Pack Accept Indicator will be changed to zero.	Pack Warning	5039
File Type Indicator	209 1	9	Not Used	No edits.	None	N/A	N/A
Reserved	210-212 3	9	Reserved for Industry determined information. Not used.	No edits.	None	N/A	N/A
IC Return Code 2	213-216 4	9	Not used.	No edits.	None	N/A	N/A
IC Return Code 3	217-220 4	9	Not used.	No edits.	None	N/A	N/A

EMI Pack Trailer File Layout, Edits, and Error Codes -202206

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Record Id	001-006 6	X	Type of record. The field consists of three sub-fields with two digits each for the category, Group, and Record Type.	Valid values: 202206. The last record in a pack must be the pack trailer record.	Trailer Record Missing on Pack	Pack Reject	0040
Date Created	007-012 6	9	Date the record was created.	Format YYMMDD. Valid values: YY = 00-99, MM = 01-12, DD = 01-31. 1. Must be a valid date. Day value must be valid for the associated month. Date must be equal to or less than current system date. 2. Pack Trailer Date Created should equal Pack Header Date Created.	1. Invalid Date Created 2. Not equal to Header (20-22-05) value Note: Pack is not rejected, it is a warning only.	Pack Warning	1. 5502 2. 5598
Invoice Number (aka Pack Sequence Number)	013-014 2	9	Sequentially assigned control number. Sequence is unique within a Carrier ID, Send To RAO/ Billing RAO and IC Data Center for a given pack type.	Valid values: 01-99. After 99 start again at 01. 1. The Invoice Number must be one greater than the previous pack of the same type for a Send To RAO/Billing RAO for a sending IC Data Center for a given CIC. Invoice number must be numeric, but not zeros. 2. Pack Trailer Invoice Number must equal Pack Header Invoice Number.	1. Invalid Pack Sequence Number. 2. Not equal to Header (20-22-05) value	Pack Reject	1. 5504 2. 5599
Bell Company Id Number	015-016 2	9	Industry assigned numeric field used to uniquely identify each Midwest state Telco (previously known as AOC – Ameritech Operating Company).	Valid values: 00, 21,23,25,27,29 00 = Enterprise Text Pack default 21 = Ohio 23 = Michigan 25 = Indiana 27 =Wisconsin 29 = Illinois Note: Regional Default = 23 1. For Invoice packs, must equal 21, 23, 25, 27, or 29. For Text packs, must equal 00, 21, 23, 25, 27, or 29. 2. Pack Trailer Bell Company ID Number must equal Pack Header Bell Company ID Number.	1. Invalid AOC Company Number 2. Not equal to Header (20-22-05) value	Pack Reject	1. 5507 2. 5599

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Carrier ID	017-019 3	9	Unexpanded Carrier ID. Billing Entity for the pack.	Valid values: 000 – 9999 If Pack trailer Indicator 14 (pos. 35) not = 7, Carrier ID should be numeric and should match the Pack Header Carrier ID. If Pack trailer Indicator 14 (pos. 35) = 7, then this field is not edited. The Carrier ID Expanded (pos. 36-39) is edited instead.	Invalid Carrier ID Note: Pack is not rejected, it is a warning only.	Pack Warning	5510

Send To RAO	020-022
	
	3
		X	Main RAO to which a pack is directed.
			Obtained from the NPA/NXX/Bill Period/RAO file
			OR
			Generic internal Midwest RAO values when not using Industry standard RAO's:
			    980 (BTN - Line/Date guiding)
			    995 (BTN - Line/Cus Code guiding)
				Valid values:
				
				WI OH IL MI IN
				088 082 081 083 080
				           086 084
				           097 095
				           098 096
				           196
				
				Generic RAO Line/Date Guiding = 980
				Generic RAO Line/Cus Code guiding = 995
				
				1. Must be valid Send To RAO.
				
				2. Pack Trailer Send To RAO must equal Pack Header Send To RAO.
				
				For Invoice and Text Packs for carriers other than DirecTV, must be valid Send To/Billing RAO combination. For DirecTV, RAO edit is only for Invoice packs. No RAO edit for DirecTV Text packs.
				
				NOTES:
				
				If standard RAO or 980 RAO provided, then Earliest Message Date guiding will be used.
				
				If 995 RAO is provided, then CUS Code guiding will be used.
					1. Invalid Send To RAO Within an EC
					
					2. Not equal to Header (20-22-05) value
						Pack Warning
						
						Pack Reject
							1. 5511
							
							2.5599

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code

Billing RAO	023-025
	
	3
		X	RAO to which the pack is directed for billing. Obtained from the NPA/NXX/Bill Period/RAO file OR Generic internal Midwest RAO values when not using Industry standard RAO's:
			    980 (BTN - Line/Date guiding)
			    995 (BTN - Line/Cus Code guiding)
				Valid values:
				
				WI OH IL MI IN
				088 050 081 083 080
				089 057 086 084 320
				201 079 087 095 321
				202 082 097 096
				305 185 098 224
				328 196 227
				329 203 228
				330 204 229
				           234 294
				           465 295
				           467
				
				Generic RAO Line/Date Guiding = 980
				Generic RAO Line/Cus Code guiding = 995
				
				1. Must be valid Billing RAO within state.
				
				2. Must be valid Billing/Send To RAO combination within state.
				
				3. Pack Trailer Billing RAO must equal Pack Header Billing RAO.
				
				For Invoice and Text Packs for carriers other than DirecTV, must be valid Send To/Billing RAO combination. For DirecTV, RAO edit is only for Invoice packs. No RAO edit for DirecTV Text packs.
				
				NOTES:
				
				If standard RAO or 980 RAO provided, then Earliest Message Date guiding will be used.
				
				If 995 RAO is provided, then CUS Code guiding will be used.
					1. Invalid Billing RAO Within an EC
					
					2. Inval Billing/Send To RAO COMB Within EC
					
					3. Not Equal to Header (20-22-05) Value
						Pack Warning
						
						Pack Reject
							1. 5514
							
							2. 5516
							
							3. 5599

IC Data Center (aka IC/DC)	026-027 2	9	Invoice Originator (Invoice Carrier - IC) who created the Invoices.	Valid values: 00-99. 1. Should be numeric. 2. Pack Trailer IC/DC should equal Pack Header IC/DC. NOTE: Defined by the IC.	1. Invalid IC Data Center Code 2. Not Equal To Header (20-22-05) value Note: Pack is not rejected, it is a warning only.	Pack Warning	1. 5518 2. 5598

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Operating Company Number (OCN) (aka Indep. EC ID)	028-031 4	X	Independent Exchange Company Identification Number (IEC ID) for this pack. (Independent OCN)	Valid values: 0000 - 9999 1. Must be numeric. 2. Pack Trailer OCN (Indep. EC ID) must equal Pack Header OCN (Indep. EC ID).	1. Invalid IEC ID Number 2. Not Equal To Header (20-22-05) value Note: IEC = Independent Exchange Company	Pack Warning Pack Reject	1. 5520 2. 5599
Host RAO	032-034 3	X	CMDS Host RAO. Not used.	No edits.	None	N/A	N/A
Indicator 14	035 1	9	Indicates the Carrier Identification Code (CIC) Expanded field is populated.	Valid values: 7 Ind. 14 should = 7 (four digit CIC & no modules attached to EMI record). If Ind. 14 = 7, the Pack Trailer Carrier ID Expanded field (pos. 36-39) is edited. If Ind. 14 not = 7, the Pack Trailer Carrier ID field (pos. 17-19) is edited. No edits.	None	N/A	N/A
Carrier ID Expanded (aka CIC)	036-039 4	9	Billing entity for the pack.	Valid values: 0000-9999 If Pack Trailer Ind. 14 = 7, Carrier ID Expanded should be numeric and should match the Pack Header Carrier ID Expanded. If Pack trailer Indicator 14 not = 7, then this field is not edited. The Carrier ID (pos. 17-19) is edited instead.	Invalid Carrier ID. Note: Pack is not rejected, it is a warning only.	Pack Warning	5510
Local IC Information	040-046 7	9	Local Inter-exchange Carrier Information. Not used. Note: OBF/EMI and Enterprise formats have Indicator 29 in pos. 40. OBF/EMI format has Local IC information in 41-46. Enterprise Format has Local IC Information in pos. 41-43 and ACNA in pos. 44-46.	No edits.	None	N/A	N/A
Reserved	047-099 53	X	Reserved for Industry determined information. Not used. Note: OBF/EMI and Enterprise formats have IC Return Code in pos. 65-68	No edits.	None	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Invoice Billing Pack Type Indicator (aka Pack Type Ind.)	100 1	9	Indicates type of records in the pack.	Valid values: 0, 1, 2, 4, or 6 0 = Non-Invoice Adjustments 1 = Invoice 2 = Invoice Adjustments 4 = Text 6 = Emergency Text An abend will occur if the Text packs (4 or 6) are processed in the Invoice or Adjustment streams. 1. Invoice Pack type must match Invoice Record ID. Adjustment Pack Type must match Adjustment Record ID. 2. Pack Trailer Pack Type must equal Pack Header Pack Type.	1.Invalid Pack Type Indicator 2. Not Equal to Header (20-22-05) value	Pack Reject	1. 5523 2. 5599
Grand Total Revenue	101-110 10	S9	Grand Total Revenue of the accumulated revenue on the records in pack.	Valid values: 0000000000-9999999999 1. Must be numeric in format $$$$$$$$¢¢. 2. For Pack Type Indicator 1 (Invoice), must equal accumulated Marketing Summary Grand Total Revenue within a Pack. For Pack Type Indicator 0 (Non-Invoice Adjustments) and 2 (Invoice Adjustments), Adjustment total fields from all records must equal accumulated Adjustment Summary within a Pack. 3. For Pack Type Indicator 4 (Text), must equal zero.	1. Grand Total Revenue not numeric 2. Grd Tot Rev not = accum pack 3. Grand Total revenue not 0 for text pack	Pack Reject	1.5537 2.5538 3. 5539
Grand Total Record Count	111 – 117 7	9	Grand Total number of records accumulated in pack excluding pack header and pack trailer.	Valid values: 0000000 – 9999999 Must be numeric.	Grand Tot Rec Cnt not = accum rec cnt	Pack Reject	5541

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Time Created	118-121 4	9	Indicates time record created.	Format HHMM Valid values: HH = 00 – 23 (hours) MM = 00 – 59 (minutes) 1. Should be numeric. 2. Pack trailer Time Created should = Pack header Time Created.	1. Invalid Time Created. 2. Not equal to header (20-22-05) value Note: Pack is not rejected, it is a warning only.	Pack Warning	1. 5525 2. 5598
Indepen-dent EC Indicator (IEC)	122 1	9	Identifies the pack as messages to be billed by the Midwest Telco (BOC Billed).	Valid value: zero Must = zero.	Invalid IEC Indicator value Note: Pack is not rejected, it is a warning only.	Pack Warning	5527
Reserved	123-127 5	9	Reserved for Industry determined information. Not used. Note: Enterprise format has Client ID in pos 123-126 and Reserved in 127.	No edits.	None	N/A	N/A
Status Code	128 1	9	Identifies a pack as an original transmission or a resend of invoices.	Valid values: 0,1 Original transmission = 0 Resend transmission = 1 1. Should be 0 or 1 or pack warning only 2. Pack trailer status code must equal Pack header status code.	1. Invalid Status code 2. Not Equal to Header (20-22-05) value	Pack Warning Pack Reject	1. 5529 2. 5599
Reserved	129-185 57	X	Reserved for Industry determined information. Not used. Note: OBF/EMI format has Process Date in pos. 176-181 and Process Time in pos. 182-185	No edits.	None	N/A	N/A

Field Name	Position / Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Obligation Id (aka OBID)	186-193 / 8	9	Used by Invoice Originator (IO) for Invoice tracking purposes.	Valid values: 00000000-99999999 1. For Invoice packs, OBID must be numeric but not all zeros. For Text packs, OBID must be numeric. (All zeros are allowed.) 2. Pack trailer OBID must equal Pack Header OBID.	1. Invalid Obligation ID 2. Not Equal to Header (20-22-05) value	Pack Warning Pack Reject	1. 5531 2. 5599
Billing Date	194-199 / 6	9	Telco Billing Date Note: This field is not used for Billing so it isn't important to have an actual Telco Billing Date. Any date is sufficient.	Format: YYMMDD Valid values: YY = 00-99 (Year) MM = 01-12 (Month) DD = 01-31(all months but Feb. 01-29) Should be valid date in YYMMDD format. Should equal pack header but if not, it is a warning error only. NOTE: All zeros are valid for text and empty invoice or adjustment packs.	Not equal to header (20-22-05) value Note: Pack is not rejected, it is a warning only.	Pack Warning	5598
Run Number	200-202 / 3	9	Used by an Invoice Originator (IO) to provide a unique number to identify a transmission on the header record of Invoice and Adjustment Packs.	Valid values: 001 – 999. Should be numeric, but not all zeros. Warning only if doesn't match header. Default = 001	Not equal to header (20-22-05) value Note: Pack is not rejected, it is a warning only.	Pack Warning	5598
Reserved	203 - 220 / 18	X	Reserved. Not used. Note: OBF/EMI and Enterprise formats have Pack Accept Indicator in pos. 203, Percent in Error in pos. 204-207, Warning Indicator in pos. 208, File Type indicator in pos. 209, Reserved in pos. 210-212, IC Return Code 2 in pos. 213-216, and IC Return Code 3 in pos. 217-220.	No edits.	None	N/A	N/A

EMI Invoice Marketing Summary File Layout, Edits, and Error Codes – 015121

For Service Providers that send data in Enterprise Format (rather than MW format), certain fields are modified before editing takes place. The impacted fields are: Billing Date (pos. 32-37), Enterprise Indicator 29 (pos. 146) Enterprise Format Type (pos. 148), and Enterprise Image Code (pos. 179-181). The specific pre-edit modifications are detailed in the 'Field Description' column for the applicable field.

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Record Id	001-006 6	X	Type of record. The field consists of three sub-fields with two digits each for the category, Group, and Record Type.	Valid values: 015121.	Invalid Record ID – Invoice/Adjustment	Pack Reject	0010
Multiple Summary Indicator	007-007 1	9	Indicates first and only appearance of Invoice Marketing Summary record type within the Invoice.	Valid Values: 1, 0 (zero), or space. Must be a valid value. Note: All three valid values indicate that this is the first and only 015121 record per invoice.	Invalid Multiple Summary	Invoice Reject	1003
Master Billing Number	008-017 10	X	Not used.	No Edits.	None	N/A	N/A
Customer Code	018-020 3	9	Customer Code for Billing number	Valid values: 000-999 Must be numeric.	CUS Code not numeric	Invoice Reject	1065
IC Account Number	021-028 8	X	Invoice Carrier Account Number Note: Mobility calls this BAN (Billing Account Number)	Valid values: 0-9 and A-Z. No spaces or special characters. Must be valid values.	Invalid IC Account Number	Invoice Reject	1005
IC Account Number Overflow (aka IC Div. ID)	029-030 2	X	Invoice Carrier Account Number additional positions if needed.	Valid values: 0-9, A-Z and spaces. No special characters. Must be valid values.	Invalid IC Account Number Overflow	Invoice Reject	1007
IC Customer Type	031-031 1	9	Invoice Carrier Customer Type	Valid Values: 0,1,2 0 = Mobility 1 = Residential 2 = Business Must = 0 or 1 or 2.	Invalid IC Customer Type	Invoice Reject	1009

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Billing Date	032-037 6	9	Telco Billing Date For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The correct Telco Billing Day (pos. 36-37) is populated.	Format: YYMMDD Valid values: YY = 00-99 (Year) MM = 01-12 (Month) DD =01, 04, 07, 10, 13, 16, 19, 22, 25, 28 (MW Telco bill dates) Should be valid date in YYMMDD format with MW Telco bill dates. NOTE: All zeros are valid for text and empty invoice or adjustment packs.	Invalid EC Billing Date (YYMMDD) EC = Exchange Carrier .	Invoice Reject	1011
IC Extraction Date	038-043	9	Invoice Carrier Invoice Creation Date For DirecTV, this field will indicate AT&T received date.	Format: YYMMDD Valid values: YY = 00-99 (Year) MM = 01-12 (Month) DD = 01-31 (Day) Should be valid date in YYMMDD format.	Invalid IC Extraction Date (YYMMDD)	Invoice Reject	1012
Obligation ID (aka OBID)	044-051 8	9	Used by Invoice Originator (IO) for Invoice tracking purposes.	Valid values: 00000001-99999999 1. Must be numeric but not all zeros. 2. Must equal Pack header record.	1. Invalid Obligation ID 2. Not equal to header (20-22-05) value	Invoice Reject	1. 1014 2. 1099
Invoice Number (aka Pack Sequence Number)	052-053 2	9	Sequentially assigned control number. Sequence is unique within a Carrier ID, Send To RAO/ Billing RAO and IC Data Center for a given pack type	Valid values: 01-99. After 99 start again at 01. 1. The Invoice Number must be one greater than the previous pack of the same type for a Send To RAO/Billing RAO for a sending IC Data Center for a given CIC. Invoice number must be numeric, but not zeros. 2. Must equal Pack Header Record.	1. Invalid Pack Sequence Number. 2. Not equal to header (20-22-05) value	Invoice Reject	1. 1016 2. 1099

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Company Number	054-055 2	9	Industry assigned numeric field used to uniquely identify each Midwest state Telco (previously known as AOC – Ameritech Operating Company).	Valid values: 21,23,25,27,29 21 = Ohio 23 = Michigan 25 = Indiana 27 = Wisconsin 29 = Illinois Note: Regional Default = 23 1. Must = valid value. 2. Must equal Pack Header record.	1. Invalid AOC Company Number 2. Not equal to header (20-22-05) value	Invoice Reject	1. 1018 2. 1099

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code

Billing RAO	056-058
	
	3
		X	RAO to which the pack is directed for billing. Obtained from the NPA/NXX/Bill Period/RAO file OR
			Generic internal Midwest RAO values when not using Industry standard RAO's:
			    980 (BTN - Line/Date guiding)
			    995 (BTN - Line/Cus Code guiding)
				Valid values:
				
				WI OH IL MI IN
				088 050 081 083 080
				089 057 086 084 320
				201 079 087 095 321
				202 082 097 096
				305 185 098 224
				328 196 227
				329 203 228
				330 204 229
				          234 294
				          465 295
				          467
				
				Generic RAO Line/Date Guiding = 980
				Generic RAO Line/Cus Code guiding = 995
				
				1. Must be valid Billing RAO combination.
				
				2. Must equal Pack Header record.
				
				3. Must be valid Billing RAO for the Billing Number (pos. 69-78) NPA/NXX. This is a Post-purchase edit that is only invoked when a real RAO is used rather than a generic RAO.
				
				NOTES:
				
				If standard RAO or 980 RAO provided, then Earliest Message Date guiding will be used.
				If 995 RAO is provided, then CUS Code guiding will be used.
					1. Invalid Billing RAO Within an EC
					
					2. Not Equal to Header (20-22-05) Value
					
					3. NPA/NXX Invalid for DPO.
					
					Note: Error #3 is a post-purchase error. The error description may be misleading. It means the Billing RAO is not valid for the Billing Number NPA/NXX when a real RAO is used rather than a generic RAO.
						Invoice Reject	1. 1020
							
							2. 1099
							
							3. 1122

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code

Send To RAO	059-061
	
	3
		X	Main RAO to which a pack is directed.
			Obtained from the NPA/NXX/Bill Period/RAO file
			OR
			Generic internal Midwest RAO values when not using Industry standard RAO's:
			   980 (BTN - Line/Date guiding)
			   995 (BTN - Line/Cus Code guiding)
				Valid values:
				
				WI OH IL MI IN
				088 082 081 083 080
				           086 084
				           097 095
				           098 096
				           196
				
				Generic RAO Line/Date Guiding = 980
				Generic RAO Line/Cus Code guiding = 995
				
				1. Must be valid Send To RAO within a state
				
				2. Must be valid Send To/Billing RAO combination within a state.
				
				3. Must equal Pack Header record.
				
				NOTES:
				
				If standard RAO or 980 RAO provided, then Earliest Message Date guiding will be used.
				
				If 995 RAO is provided, then CUS Code guiding will be used.
					1. Invalid Send To RAO Within an EC
					
					2. Inval Billing/Sent to RAO Comb within EC
					
					3. Not equal to Header (20-22-05) value
						Invoice Reject	1. 1023
							
							2. 1026
							
							2. 1099

Carrier ID	062-064 3	9	Unexpanded Carrier ID. Not Used.	No edits.	None	N/A	N/A
IC Return Code 1	065-068 4	9	Inter-exchange Carrier Return Code. Not Used on input. If errors, Telco puts in return code on returned Marketing Summary records.	Valid values: zeros Must = zeros.	IC Return Code not equal to zeros	Invoice Reject	1029

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Billing Number	069-078 10	X	Telco Billing Number Note: The Billing Number Invoice date checked for porting and guiding edits is the Date of Earliest Message. In addition, the IC Extraction Date can be checked for porting (EC 1030) and guiding (EC 0950, 0959, 1120, and 1123) if indicated on the Carrier Environment Card for a specific carrier.	Valid values: Telco Billing numbers 1. If the Billing Number is numeric, it is checked against the SMS LNP File to validate that it is not ported-out. 2. NPA must be numeric but not = zeros & must be valid NPA for billing in the correct state. Also the derived DPO must be valid for the state. 3. NXX must not = zeros. NXX may be alphanumeric for Misc. Billing Numbers. 4. NPA must not be 800 or 900. 5. The NPA/NXX must have a valid Billing RAO (pos. 56-58). 6. NPA must be AT&T LEC billed 7. NXX must be AT&T LEC billed 8. Billing Number must be AT&T LEC billed 9. Billing Number guide is marked for Company Bill Blocking of the Invoices when account in Collections. 10. Billing Number account must not be marked for recoursing for certain carriers only. 11. Only one invoice per Billing Number for the same date and revenue allowed in pack. 12. Billing Number must have a guide. 13. Billing Number guide must not be cellular. 14. Billing Number guide must not be coin. 15. Billing Number must be AT&T retail billed. 16. Invoice Billing Number must not be dated before the guide date. 17. Invoice Billing Number must not be dated after the guide date. 18. Guide found for Billing Number but on Bill day, no account can be found. 19. For Directory carriers only, revenue found that shouldn't be there for an account.	1. Ported out-SMS LNP Database-not billable 2. Invalid NPA for receiving EC 3. Invalid NXX for receiving EC 4. Invalid Acct – Not eligible INV Billing 5. NPA/NXX Invalid for DPO 6. Invalid NPA for receiving EC post-pur 7. Invalid NXX for receiving EC post-pur 8. Invalid Acct-not elgbl INV bllng Post-pur 9. Company initiated Bill Blocking Error 10. Recoursing Error – Invoice 11. Duplicate invoice within a pack 12. No guide for BTN 13. Cellular class of service 14. BTN match coin guide-S&P 15. Line resold or CLEC 16. No guide for BTN (Before) 17. No guide for BTN (After) 18. ACIS unguidable 19. Directory Segment not equal zero Note 1: The Error 5 description may be misleading. It means the Billing RAO is not valid for the Billing Number NPA/NXX when a real RAO is used rather than a generic RAO. Note 2: Errors 5 – 19 are post-purchase unbillable/unguidable errors Note 3: Error 10 and 19 is only valid for certain carriers. Note 4: EC = Exchange Company (aka LEC – Local Exchange Company)	Invoice Reject	1. 1030 2. 1031 3. 1032 4. 1045 5. 1122 6. 1021 7. 1022 8. 1055 9. 0907 10.0908 11.1046 12.0950 13.0957 14.0958 15.0959 16.1120 17.1123 18.0956 19.0961

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Date of Earliest Message	079-084	9	Identifies the date of the earliest message from the Message Details records within an Invoice Billing Summary.	Format is YYMMDD. Valid values: YY = 01 – 99 MM = 01 – 12 DD = 01 –31 1. Can't be greater than current system date. 2. Detail messages (81/82 cat. Records) can't be dated before earliest message date on Invoice summary record.	1. Invalid date of earliest message 2. Dt of earliest msg not within Dt param	Invoice Reject	1. 1033 2. 1034
CRI indicator	085-085 1	X	ATTLD requested field for CRI type of product. However after Telco implementation to add this field, ATTLD decided not to use it.	Valid values: C, B, T, N, space, zero Default = spaces or zero when this field is not used. CRI-Core = 'C' CRI Bolt-on = 'B" CRI Tape-on = 'T' CRI None = 'N' No edits.	None	N/A	N/A
Price Plan Indicator (aka CRI Plan Code Indicator.)	086-086 1	X	ATTLD requested field for XBOT product. However after Telco implementation to add this field, ATTLD decided not to use it.	Valid values: X, space, zero Default = spaces or zero when this field is not used. XBOT = 'X' No edits.	None	N/A	N/A
Reserved for Local Company Use	087-089 3	9	Not used by AT&T.	No edits.	None	N/A	N/A
Number of Summary Records Within Invoice	090-096 7	9	A right-justified field that contains a count of the number of Summary Records (01-51-21 and 01-51-27) contained within the invoice. Note: OBF/EMI and IDB (CIC 00288) format for Number of Summary Records within Invoice is pos. 93–96.	Valid values = 0000002 – 9999999 1. Must be numeric and must be equal to the accumulated number of summary records within an invoice. 2. There must be one 01-51-21 and at least one 01-51-27 record for a complete invoice set.	1. Number of summary records not = accum sum recs 2. Incomplete Invoice Set	Invoice Reject	1. 1049 2. 1052

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Invoice Billing Type	097-097 1	9	Identifies the Invoice Type	Valid values: 0, 9 0 = Generic Invoice except Mobility 9 = Mobility Must be valid values.	Invalid Invoice Billing Type	Invoice Reject	1047
IC Specific	098-098 1	9	Not used.	No edits.	None	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Grand Total Revenue Summary	099-108 10	S9	Contains the invoice total amount including taxes and discounts.	Format $$$$$$$$¢¢ Valid values: 0000000000-9999999999 1. Must be numeric and the following formula must be used to obtain the Grand Total Revenue Summary for Invoices: Grand Total Revenue = 　From 01-51-27: 　　- Billable Amount (only to be added if Billable Line Indicator equal to 1) 　From 81-XX-XX (excluding 81-XX-32's) 　　- Charge Amount (only to be added if Subtotal Indicator is set to 1) 　From 81-XX-XX (including 81-XX-32's) 　　- State Tax if Indicator 13 is equal to 1 or 2 　　- Local Tax if Indicator 13 is equal to 2 or 3 　From 82-XX-XX (excluding 82-XX-32's) 　　- Subtract Credit (only if Subtotal Indicator is set to 1) 　From 82-XX-XX (including 82-XX-32's) 　　- Subtract State Tax if Indicator 13 is equal to 1 or 2 　　- Subtract Local Tax if Indicator 13 is equal to 2 or 3 2. Must be numeric and the following formula must be used to obtain the Grand Total Revenue Summary for Invoices created by the Billing EC from Service Provider files: Grand Total Revenue = 　From 01-51-21: 　　- Current balance + 　　- Payment amount + 　　- Adjustment amount + 　　- Previous balance	1. Grand Tot Rev Sum not = Accum INVC Rev 2. Grand Tot Rev Mkts not = Accum Mkts rev	Invoice Reject	1. 1035 2. 1036

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Marketing MSG Code 1	109-113 5	X	A code that indicates a marketing message text to be printed on the bill. A marketing message is a promotional, informational, or legally required communication from an IO to its customer that is printed on a page of the bill.	Valid values: A-Z, 0-9, no special characters. Should be alphanumeric with no special characters. Default is spaces or 'MMMMM'. If error occurs, for DIRECTV, the default value '99999' is populated in the field. If error occurs for other than DIRECTV, the default value 'MMMMM' is populated in the field.	Inval mmsgcd1–Default MMMMM/9999 used Note: Warning only, Invoice is accepted.	Invoice Warning	1037
Marketing MSG Code 2	114-118 5	X	A code that indicates a marketing message text to be printed on the bill. A marketing message is a promotional, informational, or legally required communication from an IO to its customer that is printed on a page of the bill. Marketing Message Code 2 designates a second text message to be printed on the bill.	Valid values: A-Z, 0-9, no special characters. Should be alphanumeric with no special characters. Default is spaces or 'MMMMM'. If error occurs, for DIRECTV, the default value '99999' is populated in the field. If error occurs for other than DIRECTV, the default value 'MMMMM' is populated in the field.	Inval mmsgcd2–Default MMMMM/99999 used Note: Warning only, Invoice is accepted.	Invoice Warning	1038
Type of Regulation Indicator	119-119 1	9	Identifies whether the amount in the record is for a regulated or non-regulated service or product as defined by the entity providing the service. Not used.	Valid values = 0,1,2,3,4,5 0 = No requirement exists 1 = Regulated Toll 2 = Regulated Non-Toll 3 = Non-Regulated Non-Toll 4 = Non-Regulated Toll 5 = Non-Regulated Adult Oriented Charges No edits.	None	N/A	N/A
Carrier ID Expanded (aka CIC)	120-123 4	9	Billing entity for the pack.	Valid values: 0000-9999 Must be numeric and equal to Pack Header Carrier ID Expanded.	Invalid Carrier ID.	Invoice Reject	1028
Indicator 14	124 1	9	Indicates the Carrier Identification Code (CIC) Expanded field is populated.	Valid values: 7 Ind. 14 should = 7 (four digit CIC & no modules attached to EMI record). No edits.	None	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
LSPID (aka Local Service Provider ID)	125-128 4	X	If the Telco can't bill an Invoice due to non-ownership, portability, or resale of the line, the Local Service Provider ID or Reseller OCN of the owning company is placed in this field when the Invoice is returned. This field is not used on input.	Valid values: zeros or spaces Default zeros or spaces. Not used on input.	None	N/A	N/A
Marketing MSG Code 3	129-133 5	X	A code that indicates a marketing message text to be printed on the bill. A marketing message is a promotional, informational, or legally required communication from an IO to its customer that is printed on a page of the bill. Marketing Message Code 3 designates a third text message to be printed on the bill.	Valid values: A-Z, 0-9, no special characters. Should be alphanumeric with no special characters. Default is spaces or 'MMMMM'. If error occurs, for DIRECTV, the default value '99999' is populated in the field. If error occurs for other than DIRECTV, the default value 'MMMMM' is populated in the field.	Inval mmsgcd3–Default MMMMM/99999 used Note: Warning only, Invoice is accepted.	Invoice Warning	1056
Marketing MSG Code 4	134-138 5	X	A code that indicates a marketing message text to be printed on the bill. A marketing message is a promotional, informational, or legally required communication from an IO to its customer that is printed on a page of the bill. Marketing Message Code 4 designates a fourth text message to be printed on the bill.	Valid values: A-Z, 0-9, no special characters. Should be alphanumeric with no special characters. Default is spaces or 'MMMMM'. If error occurs, for DIRECTV, the default value '99999' is populated in the field. If error occurs for other than DIRECTV, the default value 'MMMMM' is populated in the field.	Inval mmsgcd4–Default MMMMM/99999 used Note: Warning only, Invoice is accepted.	Invoice Warning	1057
Total Number of Messages - Summary	139-145 7	9	Represents the count of all message detail records within an invoice.	Valid values: 0000000-9999999 Must be numeric. Must equal the accumulation of cat. 81 and 82 detail record count.	Tot num msgs sum not = accum invc recs	Invoice Reject	1039

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Total Revenue Domestic FGA/FGD OR Previous Balance	146-156 11	S9	For Invoices created by the Service Provider, except Mobility, this is a field called Total Revenue Domestic FGA/FGD in the format $$$$$$$$$¢¢. This field equals the accumulated Domestic FGA/FGD revenues for an invoice. Domestic FGA/FGD is defined as the accumulated revenue from all 81-XX-XX records minus all 82-XX-XX with Message Type = 1, 2, 4, or 5 and Settlement Code = 3, 5, 6, 8, 9, G, J, or Q. Note: Mobility does not have FGA/FGD wireline network usage. Mobility has wireless usage. For Invoices created by the Billing EC (Exchange Carrier) from Service Provider files, this is a field called Previous Balance. The format is $$$$$$$$$¢¢. It is used as an accumulation field for the Grand Total Revenue Summary. Notes: This field does not follow OBF/EMI standard fields and positions. The OBF/EMI standard fields are: Indicator 29 in pos. 146 Reserved in pos. 147-148 Total Revenue Domestic FGA/FGD in pos. 149-156. In addition, this field does not follow Enterprise format which matches OBF/EMI format except Reserved is only in pos. 147 and a Format Indicator is in pos. 148. The Enterprise valid values for the Format Indicator are: E = Enterprise 0 (zero) – Regional L = Lightspeed For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Enterprise Indicator 29 (pos. 146) is populated with '0' (zero). The Enterprise Format Type (pos. 148) is populated with '0' (zero).	Valid values: Dollars $$$$$$$$$ = 000000000–999999999 Cents ¢¢ = 00 – 99 Must be numeric. Accumulated domestic revenue must = Total Revenue Domestic FGA/FGD for Invoices created by the Service Provider except for Mobility. Note: This edit is bypassed for Mobility and invoices created by the Billing EC from Service Provider files.	Tot Rev Dom FGA/FGD Not = Accum Dom Rev Note: Also included in the Error Code is the edit that the field must be numeric, although the Error Description doesn't say so.	Invoice Reject	1041

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Total Revenue Domestic Calling Card OR Payment Amount	157-167 11	S9	For Invoices created by the Service Provider, this is a field called Total revenue Domestic Calling Card in the format $$$$$$$$$¢¢. This field equals the accumulated Domestic Calling Card revenue for an invoice. Domestic Calling Card revenue is defined as the accumulated revenue from all 81-XX-XX & 82-XX-XX records with Message Type = 3 and Settlement Code = 3, 5, 6, 8, 9, G, J, or Q. For Invoices created by the Billing EC from Service Provider files, this is a field called Payment Amount. The format is $$$$$$$$$¢¢. It is used as an accumulation field for the Grand Total Revenue Summary. Note: This field does not follow OBF/EMI standard fields and positions. The OBF/EMI standard fields are: Treatable Indicator in pos. 157 Reserved in pos. 158-159 Total Revenue Domestic Calling Card in pos. 160-167.	Valid values: Dollars $$$$$$$$$ = 000000000–999999999 Cents ¢¢ = 00 – 99 Must be numeric. Accumulated domestic calling card revenue must = Total Revenue Calling Card for Invoices created by the Service Provider.	Tot Rev Dom CC Not = Accum Dom Card Rev	Invoice Reject	1043
Total Revenue Internatnal Calling Card OR Adjustment Amount	168-178 11	S9	For Invoices created by the Service Provider, this is a field in the format $$$$$$$$$¢¢ which equals the accumulated International Calling Card revenue for an invoice. International Calling Card is defined as the accumulated revenue from all 81-XX-XX records, minus all 82-XX-XX, with Message Type = 3 and Settlement Code = K, L, N, P, or R. For Invoices created by the Billing EC from Service Provider files, this is a field called Adjustment Amount. The format is $$$$$$$$$¢¢. It is used as an accumulation field for the Grand Total Revenue Summary. Note: This field does not follow OBF/EMI standard fields and positions. The standard fields are: Reserved in pos. 168-170 Total Revenue International Calling Card in pos. 171-178.	Valid values: Dollars $$$$$$$$$ = 000000000–999999999 Cents ¢¢ = 00 – 99 Must be numeric. Accumulated International Calling card revenue must = Total Revenue International Calling Card for Invoices created by the Service Provider.	Tot Rev int'l CC Not = Accum Rev	Invoice Reject	1053

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Total Revenue Special IC Card OR Current Balance	179-189 11	S9	For Invoices created by the Service Provider, this field is not used. For Invoices created by the Billing EC from Service Provider files, this is a field called Current Ballance. The format is $$$$$$$$$¢¢. It is used as an accumulation field for the Grand Total Revenue Summary. Note: This field does not follow OBF/EMI and Enterprise standard fields and positions. The standard fields are: Enterprise Image Code in pos. 179-181 Total Revenue Special IC Card in pos. 182-189. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Enterprise Image Code (pos. 179-181) is populated with '000' (zeros).	Valid values: Dollars $$$$$$$$$ = 000000000–999999999 Cents ¢¢ = 00 – 99 Must be numeric.	Invalid total Revenue Spec IC Card	Invoice Reject	1044
IC Customer Inquiry Number	190-199 10	9	A field that represents the customer service telephone number that is passed to an Exchange Carrier for printing on the customer's bill. IOs requiring alpha/alphanumeric telephone numbers for customer inquiry will pass the data on the 01-51-27 record (the 01-51-21 record can be used for numeric data only).	Format is NPANXXLINE Valid values: IC TN's Must be numeric.	IC Customer Inquiry Number not numeric	Invoice Reject	1060
Language Indicator	200-200 1	9	Not Used for MW Generic Invoice. Enterprise Generic Invoice format uses this field. Have edit for IDB (CIC 00288) to indicate language of Invoice. Value E, 0, & space = English and value S = Spanish. The IDB invoice is rejected without a valid value with error code 1019.	No edits.	None	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
IC Account Number Overflow 2	201-202 2	X	Invoice Carrier Account Number additional positions if needed when the IC Account Number (8 positions) and IC Account Number Overflow (2 positions) are filled. By using all three fields, the IC Account Number can contain a maximum of 12 characters. Notes: Only Mobility uses these additional positions. The OBF/EMI format is Reserved.	Valid values: 0-9, A-Z and spaces. No special characters allowed. Edit for Mobility only. Must be valid values.	Invalid IC Account Number Overflow 2	Invoice Reject	1008
IC Data Center (aka IC/DC)	203-204 2	9	Invoice Originator (Invoice Carrier - IC) who created the Invoices.	No edits.	None	N/A	N/A
Billing Inventory Number	205-212 8	9	Not used.	No edits.	None	N/A	N/A
IC Return Code 2	213-216 4	9	Not Used as a return code. Pos. 214 used as necessary in a non-OBF standard way. A special indicator is used for re-entry of erred invoices in specific circumstances. This indicator is only to be used at the direction of AT&T MW Telco Billing. Some of the usual Invoice processing is bypassed when the Re-Entry Indicator = '1'. Pos. 215 is used as necessary in a non-OBF standard way. A special Indicator is used to bypass the Duplicate Invoice Check in extraordinary circumstances. This indicator is only to be used at the direction of AT&T MW Telco Billing. The Duplicate Invoice check will be bypassed when the Duplicate Invoice Check bypass Indicator = '1'. Note: Enterprise format has IC Account Number Overflow 3 for Lightspeed in pos. 213-216.	No edits.	None	N/A	N/A
IC Return Code 3	217-220 4	9	Not used. Note: Enterprise format has Returning Program in pos. 217 and Julian Day of CRIS Cycle When Returned in pos. 218-220.	No edits.	None	N/A	N/A

EMI Invoice Marketing Phrase Summary File Layout, Edits, and Error Codes – 015127

For Service Providers that send data in Enterprise Format (rather than MW format), certain fields are modified before editing takes place. The impacted fields are: Billing Date (pos. 32-37), Bill Category Type (pos. 69-70), Bill Sub-Category Sequence Numbers (pos. 74-75), Billable Line Indicator (pos. 76), Classification (pos. 78), and Phrase Type Indicator (pos. 198). The specific pre-edit modifications are detailed in the 'Field Description' column for the applicable field.

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Record Id	001-006 6	X	Type of record. The field consists of three sub-fields with two digits each for the category, Group, and Record Type.	Valid values: 015127.	Invalid Record ID – Invoice/Adjustment	Pack Reject	0010
Multiple Summary Indicator	007-007 1	9	Not used.	No edits.	None	N/A	N/A
Master Billing Number	008-017 10	X	Not used.	No edits.	None	N/A	N/A
Customer Code	018-020 3	9	Customer Code for Billing number Not Used.	Valid values: 000-999 Should be same as Marketing Summary Customer Code. No edits.	None	N/A	N/A
IC Account Number	021-028 8	X	Invoice Carrier Account Number Mobility calls this BAN.	Valid values: 0-9 and A-Z. No spaces or special characters. 1. Must be valid values. 2. Must equal Marketing Summary IC Account Number.	1. Invalid IC Account Number 2. Not equal to (01-51-21) value	Invoice Reject	1. 4005 2. 4095
IC Account Number Overflow (aka IC Div. ID)	029-030 2	X	Invoice Carrier Account Number additional positions if needed.	Valid values: 0-9, A-Z and spaces. 1. Must be valid values. No special characters. 2. Must equal Marketing Summary IC Account Number Overflow	1. Invalid IC Account Number Overflow 2. Not equal to (01-51-21) value	Invoice Reject	1. 4007 2. 4095

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
IC Customer Type	031-031 1	9	Invoice Carrier Customer Type	Valid values: 0, 1, 2 0 = Mobility 1 = Residential 2 = Business 1. Must = 0 or 1 or 2. 2. Must equal Marketing Summary IC Customer type.	1. Invalid IC Customer Type 2. Not equal to (01-51-21) value	Invoice Reject	1. 4009 2. 4095
Billing Date	032-037 6	9	Telco Billing Date Note: For Mobility, the correct Telco Bill day will be populated before field editing.	Format YYMMDD. Valid values: YY = 00-99 (Year) MM = 01-12 (Month) DD = 01, 04, 07, 10, 13, 16, 19, 22, 25, 28 (MW Telco bill dates) Should be valid date in YYMMDD format with MW Telco bill dates. NOTE: All zeros are valid for text and empty invoice or adjustment packs.	Invalid EC Billing Date (YYMMDD) Note: Invoice is not rejected, it is a warning only. EC = Exchange Carrier .	Invoice Warning	4011
IC Extraction Date	038-043 6	9	Invoice Carrier Invoice Creation Date	Format YYMMDD Valid values: YY = 00-99 (Year) MM = 01-12 (Month) DD = 01-31 (Day) Should be valid date in YYMMDD format.	Invalid IC Extraction Date (YYMMDD) Note: Invoice is not rejected, it is a warning only.	Invoice Warning	4012
Obligation ID (aka OBID)	044-051 8	9	Used by Invoice Originator (IO) for Invoice tracking purposes.	Valid values: 00000001-99999999 1. Must be numeric but not all zeros. 2. Must equal Pack Header record.	1. Invalid Obligation ID 2. Not equal to header (20-22-05) value	Invoice Reject	1. 4014 2. 4099
Invoice Number (aka Pack Sequence Number)	052-053 2	9	Sequentially assigned control number. Sequence is unique within a Carrier ID, Send To RAO/Billing RAO and IC Data Center for a given pack type	Valid values: 01-99. After 99 start again at 01. 1. The Invoice Number must be one greater than the previous pack of the same type for a Send To RAO/Billing RAO for a sending IC Data Center for a given CIC. Invoice number must be numeric, but not zeros. 2. Must equal Pack Header Record.	1. Invalid Pack Sequence Number. 2. Not equal to header (20-22-05) value	Invoice Reject	1. 4016 2. 4099

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Company Number	054-055 2	9	Industry assigned numeric field used to uniquely identify each Midwest state Telco (previously known as AOC – Ameritech Operating Company).	Valid values: 21,23,25,27,29 21 = Ohio 23 = Michigan 25 = Indiana 27 =Wisconsin 29 = Illinois 1. Must equal valid values. 2. Must = Pack Header record. Note: Regional Default = 23	1. Invalid AOC Company Number 2. Not equal to header (20-22-05) value	Invoice Reject	1. 4018 2. 4099

Billing RAO	056-058
	3
		X	RAO to which the pack is directed for billing. Obtained from the NPA/NXX/Bill Period/RAO file OR
			Generic internal Midwest RAO values when not using Industry standard RAO's:
			    980 (BTN - Line/Date guiding)
			    995 (BTN - Line/Cus Code guiding)
				Valid values:
				WI OH IL MI IN
				088 050 081 083 080
				089 057 086 084 320
				201 079 087 095 321
				202 082 097 096
				305 185 098 224
				328 196 227
				329 203 228
				330 204 229
				           234 294
				           465 295
				           467
				
				Generic RAO Line/Date Guiding = 980
				Generic RAO Line/Cus Code guiding = 995
				
				1. Must be valid Billing RAO within the state.
				
				2. Must = Pack Header record.
				
				NOTES:
				
				If standard RAO or 980 RAO provided, then Earliest Message Date guiding will be used.
				If 995 RAO is provided, then CUS Code guiding will be used.
					1. Invalid Billing RAO Within an EC
					
					2. Not Equal to Header (20-22-05) Value
						Invoice Reject	1. 4020
							
							2. 4099

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code

Send To RAO	059-061
	
	3
		X	Main RAO to which a pack is directed.
			Obtained from the NPA/NXX/Bill Period/RAO file
			OR
			Generic internal Midwest RAO values when not using Industry standard RAO's:
			    980 (BTN - Line/Date guiding)
			    995 (BTN - Line/Cus Code guiding)
				Valid Values:
				
				WI OH IL MI IN
				088 082 081 083 080
				            086 084
				            097 095
				            098 096
				            196
				
				Generic RAO Line/Date Guiding = 980
				Generic RAO Line/Cus Code guiding = 995
				
				1. Must be valid Send To RAO within the state.
				
				2. Must be valid Send To/Billing RAO combination within the state.
				
				3. Must = Pack Header record.
				
				NOTES:
				
				If standard RAO or 980 RAO provided, then Earliest Message Date guiding will be used.
				
				If 995 RAO is provided, then CUS Code guiding will be used.
					1. Invalid Send To RAO Within an EC
					
					2. Inval Billing/Sent to RAO Comb within EC
					
					3. Not equal to Header (20-22-05) value
						Invoice Reject	1. 4023
							2. 4026
							2. 4099

Carrier ID	062-064 3	9	Unexpanded Carrier ID. Not used.	No edits.	None	N/A	N/A
IC Return Code 1	065-068 4	9	Inter-exchange Carrier Return Code. Not used on input. If errors, Telco puts in return code on returned Marketing Summary records.	Valid values: zeros Must = zeros	IC Return Code not equal to zeros	Invoice Reject	4029

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Bill Category Type	069-070 2	9	Identifies the type of charge for bill display purposes. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Bill Category Type (pos. 69-70) is populated with '07'.	Valid values: 01, 02, 03, 05, 07, or 09. Must be numeric. Must not be zero.	Invalid Bill Category Type	Invoice Reject	4030
Bill Sub-Category ID	071-073 3	X	Further identifies the type of charge for bill display purposes.	Valid values: A-Z, 0-9, no special characters. Must be valid values.	Invalid Bill Sub-Category ID	Invoice Reject	4031
Bill Sub-Category Sequence Number	74-75 2	9	Identifies the sequence of Phrase Summary records within the invoice for bill display purposes. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Bill Sub-Category Sequence Number (pos. 74-75) is populated with '01' for the first 015127 record in an Invoice. The following Bill Sub-Category Sequence Numbers for the same invoice are in sequential order incrementing by 1 each time. The numbers restart at '01' after '99.	Valid values: 01-99. 1. Must be numeric and not zeros. 2. The first 01-51-27 record in an invoice must contain a value of 01. All the following Phrase Summary records for the same invoice must be sequential.	1. Non-numeric Bill Sub-cat Sequence Number 2. Bill sub-cat sequence num out of seq	Invoice Reject	1. 4032 2. 4033

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Billable Line Indicator	076-076 1	9	Indicates if a billable amount is populated on the Phrase Summary Record (01-51-27). For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Billable Line Indicator (pos. 76) is populated as follows: If Classification (pos. 78) = 'D, F, N, S, or U', then '1' is moved to Billable Line Indicator. If Classification = 'Z' and Billable Line Indicator not = '0' (zero), then '2' is moved to Billable Line Indicator. If Phrase Type (pos. 198) = 'T or V', then '2' is moved to Billable Line Indicator. If Billable Line Indicator = '0' (zero) and Billable Amount (pos. 175-185) not = '0' (zero), then '2' is moved to Billable Line Indicator.	Valid values = 0, 1, 2, or 3. 0 = (No Billable Amount) 1 = (Billable Amount Present; adds to Grand Total Revenue in 01-51-21 record) 2 = (Billable Amount Present; use with Phrase Type Indicator 3 (Sub-Total) and A (Sub-Total Line within Section) 3 = (Double Charge Amount; used with Phrase Variable fields) Must be numeric.	Invalid Billable Line Indicator	Invoice Reject	4034

Field Name	Position / Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Charge Type	077-077 1	X	Identifies the type of charge for Bill Format purposes.	Valid values = A, B, C, D, E, K, N, Q, R, S, T, V, Z. Additional valid values for AAS CIC 0014 or DonTech CIC 0020 = F,G, H, I, J A = Air Time B = Local Call C = Access Line D = Roaming Charge E = Surcharge K = Usage/Detail N = Other Charges & Credits) Q = Savings Amounrt R = Monthly Service S = Data Charge T = Tax V Z = Summary/Other 1. Must be valid value. 2. If Charge Type equal to T (Tax) and Billable Line Indicator equal to 1 (Billable Amount), then classification must be equal to 7 (Federal Tax), 8 (State Tax), 4, or D.	1. Invalid Charge Type 2. Chrg type in conflict with class	Invoice Reject	1. 4035 2. 4090

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code

Classifica-tion	078-078
	
	1
		X	Identifies the revenue classification of the charge in the record.
			
			For Service Providers that send data in Enterprise format, the following modification takes place before the edits.
			The Classification (pos. 78) is populated as follows:
			If Billable Amount (pos. 175-185) is numeric and > '0' (zero), then '4' is moved to Classification, else 'Z' is moved to Classification.
				Valid values = 1,2,3,4,5,6,7,8,A,B,C,D,E,M,Z
				1 = Regulated Interstate
				2 = Regulated Intrastate
				3 = Regulated International
				4 = Non-Regulated Revenue
				5 = Non-Regulated Liability
				6 = Surcharge – print only
				7 = Federal Tax - Print Only
				8 = State/Local Tax - Print Only
				A = State
				B = City
				C = Local
				D = Other
				E = Federal
				M = Multiple Revenue Classification Indicator (IDB only – CIC 00288)
				Z = Other
				
				1. Must be valid value.
				2. If Classification = 1, 2, 3, 5
				    Charge Type can't = T.
				
				3. If Classification = M
				    Billable Amount must equal sum of Memo Amount 1, Memo Amount 2, and Memo Amount 3. (IDB only – CIC 00288).
					1. Invalid Classification
					
					2. Class in conflict with Chrg Type
					
					3. Class = M; Bill Amt not = memo amts
						Invoice Reject	1.4067
							
							2. 4068
							
							3. 4069

Phrase message Code	079-083 5	X	Contains a code used in conjunction with the Invoice Billing Phrase Text Record (43-51-04) for bill presentation.	Valid values = AAAAA-99999 1. Must be alphanumeric and no special characters and must match entry in the TAM0815 Text Phase Message table. 2. Must have matching Phrase Message Code on the TAM0815 Text Phrase Message Table. (ACIS edit) 3. Complete Phrase Text for non-header and non-total line items must be < 53 characters. 4. Complete Phrase Text for header and total line items must be < 58 characters.	1. Invalid Phrase Message Code 2. Invalid Phrase Message Code – ACIS 3. Phrase Text Non-Hdr/Totl Line > 52 4. Phrase Text Header/Total Line > 57 Note 1: Error 2 is an ACIS unbillable error. Note 2: Errors 3 & 4 are only applicable when the Phrase Text Length Indicator on the Environment Card is set for the selected CIC for these errors.	Invoice Reject	1. 4036 2. 4056 3. 4055 4. 4080

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Multiple Variable Counter	084-084 1	9	Used in conjunction with Phrase Variables to indicate the number of variable fields that will be populated in the associated Phrase Text Message.	Valid values = 0, 1, 2, 3, 4, 5, 6, 7 1. Must be numeric and equal a valid value. 2. Number of Phrase Variables must be < or = the Multiple Variable Counter. 3. Multiple Variable Counter must be < or = last of Variables start position in Text Phrase table.	1. Non-numeric multiple variable counter 2. Number of Variables not = counter value 3. Var cntr not = num of var in phrase text	Invoice Reject	1. 4037 2. 4038 3. 4064
Phrase Variable 1	085-094 10	X	Contains the variable data that will populate the first variable field in a Phrase Text Message. This field is used in conjunction with the Multiple Variable Counter.	Valid values: A-Z, 0-9, spaces. 1. Should match Multiple Variable Counter. 2. Phrase Variable 1 length must be < or = to TAM0815 Variable 1 length.	1. Mult var cntr < 1; Var 1 contains data Note 1: Warning only Invoice accepted. 2. Phrase Var 1 Length > TAM815 Var 1 Len Note 2: Error 2 is only applicable when the Phrase Text Length Indicator on the Environment Card is set for the selected CIC for this error.	Invoice Warning Invoice Reject	1. 4040 2. 4039
Phrase Variable 2	095-104 10	X	Contains the variable data that will populate the second variable field in a Phrase Text Message. This field is used in conjunction with the Multiple Variable Counter.	Valid values: A-Z, 0-9, spaces. 1. Should match Multiple Variable Counter. 2. Phrase Variable 2 length must be < or = to TAM0815 Variable 2 length.	1. Mult var cntr < 2; Var 2 contains data Note 1: Warning only Invoice accepted. 2. Phrase Var 2 Length > TAM815 Var 2 Len Note 2: Error 2 is only applicable when the Phrase Text Length Indicator on the Environment Card is set for the selected CIC for this error.	Invoice Warning Invoice Reject	1. 4042 2..4041
Phrase Variable 3	105-114 10	X	Contains the variable data that will populate the third variable field in a Phrase Text Message. This field is used in conjunction with the Multiple Variable Counter.	Valid values: A-Z, 0-9, spaces. 1. Should match Multiple Variable Counter. 2. Phrase Variable 3 length must be < or = to TAM0815 Variable 3 length.	1. Mult var cntr < 3; Var 3 contains data Note 1: Warning only Invoice accepted. 2. Phrase Var 3 Length > TAM815 Var 3 Len Note 2: Error 2 is only applicable when the Phrase Text Length Indicator on the Environment Card is set for the selected CIC for this error.	Invoice Warning Invoice Reject	1. 4044 2. 4043

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Phrase Variable 4	115-124 10	X	Contains the variable data that will populate the fourth variable field in a Phrase Text Message. This field is used in conjunction with the Multiple Variable Counter.	Valid values: A-Z, 0-9, spaces. 1. Should match Multiple Variable Counter. 2. Phrase Variable 4 length must be < or = to TAM0815 Variable 4 length.	1. Mult var cntr < 4; Var 4 contains data Note 1: Warning only Invoice accepted. 2. Phrase Var 4 Length > TAM815 Var 4 Len Note 2: Error 2 is only applicable when the Phrase Text Length Indicator on the Environment Card is set for the selected CIC for this error.	Invoice Warning Invoice Reject	1. 4046 2.4045
Phrase Variable 5	125-134 10	X	Contains the variable data that will populate the fifth variable field in a Phrase Text Message. This field is used in conjunction with the Multiple Variable Counter.	Valid values: A-Z, 0-9, spaces. 1. Should match Multiple Variable Counter. 2. Phrase Variable 5 length must be < or = to TAM0815 Variable 5 length.	1. Mult var cntr < 5; Var 5 contains data Note 1: Warning only Invoice accepted. 2. Phrase Var 5 Length > TAM815 Var 5 Len Note 2: Error 2 is only applicable when the Phrase Text Length Indicator on the Environment Card is set for the selected CIC for this error.	Invoice Warning Invoice Reject	1. 4048 2. 4047
Phrase Variable 6	135-144 10	X	Contains the variable data that will populate the sixth variable field in a Phrase Text Message. This field is used in conjunction with the Multiple Variable Counter.	Valid values: A-Z, 0-9, spaces. 1. Should match Multiple Variable Counter. 2. Phrase Variable 6 length must be < or = to TAM0815 Variable 6 length.	1. Mult var cntr < 6; Var 6 contains data Note 1: Warning only Invoice accepted. 2. Phrase Var 6 Length > TAM815 Var 6 Len Note 2: Error 2 is only applicable when the Phrase Text Length Indicator on the Environment Card is set for the selected CIC for this error.	Invoice Warning Invoice Reject	1. 4050 2. 4049
Phrase Variable 7	145-154 10	X	Contains the variable data that will populate the seventh variable field in a Phrase Text Message. This field is used in conjunction with the Multiple Variable Counter.	Valid values: A-Z, 0-9, spaces. 1. Should match Multiple Variable Counter. 2. Phrase Variable 7 length must be < or = to TAM0815 Variable 7 length.	1. Mult var cntr < 7; Var 7 contains data Note 1: Warning only Invoice accepted. 2. Phrase Var 7 Length > TAM815 Var 7 Len Note 2: Error 2 is only applicable when the Phrase Text Length Indicator on the Environment Card is set for the selected CIC for this error.	Invoice Warning Invoice Reject	1. 4052 2. 4051

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Language Indicator	155 1	X	Indicates language of Phrase Summary.	Valid values = E, Space, Zero, and S. E = English Space = English Zero = English S = Spanish No edits.	None	N/A	N/A
************ Memo Classifca-tion 1 (IDB only)	*********** 155 1	****** X	*** Indicates the revenue classification of Memo Amount 1. Memo Classification 1 is an IDB (CIC 00288) only field.	** Valid values = blank, 1, 2, 3, 4, 5 Blank = No Entry (default) 1 = Regulated Inter-State 2 = Regulated Intra-State 3 = Regulated International 4 = Non-Regulated Revenue 5 = Non-Regulated Liability 1. Must be a valid value. 2. If valid value and Classification = M, Memo Classification 1 must be one of the numeric valid values. If Classification not = M, Memo Classification 1 must be blank. Memo Classification 1 edits are for IDB only.	*** 1. Invalid Memo Classification 1 2. Memo Class 1 in conflict with class Note: These errors are for IDB only.	********** Invoice Reject	******** 1. 4070 2. 4071

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Reserved for Local Company Use	156-164 9	9	Reserved for later use.	No edits.	None	N/A	N/A
**********	**********	******	**	**	**	*********	********
Memo Amount 1 (IDB only)	156 – 164 9	S9	Contains portions of the billable amount. This field is only populated when the billable amount is multi-jurisdictional. Memo Amount 1 is an IDB (CIC 00288) only field.	Format $$$$$$$¢¢ Valid values: 000000000-999999999 1. Memo Amount 1 must be numeric. 2. If Classification not = M, Memo Amount 1 must be zeros and Memo Classification 1 must be blank. Memo Amount 1 edits are for IDB only.	1. Memo Amount 1 is non-numeric 2. Memo Amt 1 in conflict with Memo Class These errors are for IDB only.	Invoice Reject	1. 4058 2. 4073
Reserved for Local Company Use	165 1	X	Reserved for later use.	No edits.	None	N/A	N/A
***********	**********	******	**	**	**	***********	********
Memo Classifca-tion 2 (IDB only)	165 1	X	Contains information identifying the revenue classification of Memo Amount 2. Memo Classification 2 is an IDB (CIC 00288) only field.	Valid values: blank, 1, 2, 3, 4, 5 Blank = No Entry (default) 1 = Regulated Inter-State 2 = Regulated Intra-State 3 = Regulated International 4 = Non-Regulated Revenue 5 = Non-Regulated Liability 1. Must be a valid value. 2. If valid value and Classification = M, Memo Classification 2 must be one of the numeric valid values. If Classification not = M, Memo Classification 2 must be blank. Memo Classification 2 edits are for IDB only.	1. Invalid Memo Classification 2 2. Memo Class 2 in conflict with class These errors are for IDB only.	Invoice Reject	1. 4075 2. 4076

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
AT&T Discount Indicator	166	X	Indicates if a discount (savings) informational amount is on the record. Currently only ATTLD (CIC 5500) uses this field.	Valid Values: Q or Space or zero Q = Discount (savings) amount is on the record. Space or zero = No discount (savings) amount is on the record. No edits. **	None **	N/A *************	N/A ********
************ Memo Amount 2 (IDB Only)	*********** 166-174 9	****** S9	** May contain portions of the billable amount. If it does contain a portion of the billable amount it is only if the billable amount is multi-jurisdictional. Memo Amount 2 is an IDB (CIC 00288) only field.	Format $$$$$$$¢¢ Valid values: 000000000-999999999 1. Memo Amount 1 must be numeric. 2. If Classification not = M, Memo Amount 1 must be zeros and Memo Classification 1 must be blank. Memo Amount 1 edits are for IDB only.	1. Memo Amount 1 is non-numeric 2. Memo Amt 2 in conflict with Memo Class These errors are for IDB only.	Invoice Reject	1. 4078 2. 4079
AT&T Discount Informa-tional Amount	167-171 5	S9	Contains an Informational Discount (savings) amount if the AT&T Discount Indicator (pos. 166 on 015127) = Q. Currently only ATTLD (CIC 5500) uses this field.	Format: $$$¢¢ Valid values: 00000-99999 No edits.	None	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Bill Line Attribute	172	X	Identifies Bill Line attributes for Bill Format Display.	Valid values: 0, 1, 2, or space. 0 = N/A 1 = Print floating $ (West only) 2 = Print amount in bold font Space = N/A 1, Must be valid value. 2. If Bill Line Attribute = '1' or '2' then Billable Line Indicator (pos. 76 on 015127) must = '1'.	1. Invalid Bill Line Attribute 2. Bill Line Att in cnflct w/ Bill Line Ind	1. Invoice Reject 2. Invoice Reject	1. 4053 2. 4054
Reserved for Local Company Use	173	X	Reserved for later use. Note: This field is called Jurisdiction Indicator in the Enterprise Format.	No edits	None	N/A	N/A
Reserved for Local Company Use	174	X	Reserved for later use.	No edits	None	N/A	N/A
Billable Amount	175-185 11	S9	Contains the billable amount associated with the Phrase Text Message. This field identifies the billable amount when the Billable Line Indicator field contains a value of 1 (Billable Amount Present). Also contains Savings Amount if Charge Type = 'Q'.	Format: $$$$$$$$$¢¢ Valid values: 000000000-999999999 1. Must be numeric. 2. If Billable Line Indicator = 0, Billable Amount must = zero.	1. Non-numeric Billable amount 2. Bill Amt in conflict with Bill Line Ind	Invoice Reject	1. 4057 2. 4062

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Treatable Indicator	186 1	9	Indicates if the amount associated with a product or service is treatable and the end user can be denied access due to non-payment. Not used.	Valid values: 0-9 0 = No requirements exist. 1 = Non-deniable 2 = Local Service Deny 3 = toll deny 4 = Both Toll and local Service deny 5-7 = Reserved 8-9 = Local company use No edits.	None	N/A	N/A
Cellular Telephone Number – CTN (Mobility Only) ************ Memo Classifca-tion 3 (IDB Only)	**187-196 10** ************ 187 1	**9** ***** X	**Contains the Mobility Telephone Number.** **CTN is a Mobility only field in the Enterprise Format.** Note: This is a Reserved for Local Company Use field for OBF/EMI. ** Contains information identifying the revenue classification of Memo Amount 3. Memo Classification 3 is an IDB (CIC 00288) field only.	**No edits.** ** Valid values = blank, 1, 2, 3, 4, 5 Blank = No Entry (default) 1 = Regulated Inter-State 2 = Regulated Intra-State 3 = Regulated International 4 = Non-Regulated Revenue 5 = Non-Regulated Liability 1. Must be a valid value. 2. If valid value and Classification = M, Memo Classification 3 must be one of the numeric valid values. If Classification not = M, Memo Classification 3 must be blank. Memo Classification 3 edits are for IDB only.	**None** ** 1. Invalid Memo Classification 3 2. Memo Class 3 in conflict with class These errors are for IDB only.	**N/A** ************ Invoice Reject	**N/A** ********* 1. 4081 2. 4082

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Memo Amount 3	188-196 9	S9	Contains portions of the billable amount. This field is only populated when the billable amount is multi-jurisdictional. Memo Amount 3 is an IDB (CIC 00288).	Format $$$$$$$¢¢ Valid values: 000000000-999999999 1. Memo Amount 3 must be numeric. 2. If Classification not = M, Memo Amount 3 must be zeros and Memo Classification 3 must be blank. Memo Amount 3 edits are for IDB only.	1. Memo Amount 3 is not numeric 2. Memo Amt 3 in conflict with Memo Class These errors are for IDB Only.	Invoice Reject	1. 4084 2. 4085
Print Block Indicator	197 1	X	Identifies Summary Section attributes for Bill Display. Value 1 identifies the end of the Domestic Usage Summary Section for ATTLD (CIC 05500) for their internal systems. AT&T Telco does not use the value. It is pass-thru only. Values A & B identify the block of text within a summary section that is intended to print within a single logical page on the bill if a Generic Invoice Provider decides to use this for AT&T Telco Bill Display. Note: This is a Reserved field in the OBF/EMI format.	Valid values: 0 - 9, A, B or space. 0 = default or not end of a section) 1 = End of Section 2 – 9 = unused (not defined) A = Beginning of Summary Section to print within a single logical page B = End of Summary Section to print within a single logical page 1. Must be numeric, A, B, or space. 2. A group of records defined as a summary section must begin with Print Block Indicator = A and end with Print Block Indicator = B and contain only Phrase Types = 9 or F.	1. Invalid Print Block Indicator 2. Invalid Print Block of Text.	1. Invoice Reject 2. Invoice Reject	1. 4001 2. 4002

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Phrase Type Indicator	198 1	X	Identifies special bill phrase entries being entered through the 01-51-27 record. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Phrase Type Indicator is populated as follows: If Phrase Type = 'B', then '1' is populated. If Phrase Type = 'S', then '2' is populated. If Phrase Type = 'H', then 'H' is populated. If Phrase Type = 'T', then '3' is populated. If Phrase Type = 'V', then 'A' is populated. If Phrase Type = 'U', then 'A' is populated. If Phrase Type = other value, then '9' is populated.	Valid values = 0, 1, 2, 3, 4, 5, 9, A, F, H, M 0 = Non-Printable Line 1 = Header Line (L1) 2 = Sub-Header Line (L2) 3 = Section Total Line (L1 Total) 4 = Legend Line 5 = Legend Line Continuation 9 = Detail, other A = Sub-Total Line within Section (L2 or L3 Total) F = First line of multi-line detail H = Sub-Header Line (L3) 1. Must be valid value. 2. If Phrase Type Indicator = 5, the Bill Category Type, Bill Sub-Category Type, and the Phrase Charge Type must equal the previous Phrase Summary record values for these fields. 3. Cat. 81/82 record Indicator 30 must be the same within a section. A section is bounded by 015127 records with Phrase Type Indicator = 1, 2, 3, A, H or the start of a new invoice.	1. Invalid phrase type value. 2. Miss Legend; Legend continuation recv'd 3. Invalid 81/82 record Ind 30 in section	Invoice Reject	1. 4059 2. 4060 3. 4074
Type of Regulation Indicator	199 1	9	Identifies whether the amount in the record is for a regulated or non-regulated service or product as defined by the entity providing the service.	Valid values = 0,1,2,3,4,5 0 = No requirement exists 1 = Regulated Toll 2 = Regulated Non-Toll 3 = Non-Regulated Non-Toll 4 = Non-Regulated Toll 5 = Non-Regulated Adult Oriented Charges No edits.	None	N/A	N/A
Carrier ID Expanded (aka CIC)	200-203 4	9	Billing entity for the pack.	Valid values: 0000-9999 Must be numeric and equal to Pack Header Carrier ID Expanded.	Invalid Carrier ID.	Invoice Reject	4028

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Indicator 14	204 1	9	Indicates the Carrier Identification Code (CIC) Expanded field is populated.	Valid values: 7 Ind. 14 should = 7 (four digit CIC & no modules attached to EMI record). No edits.	None	N/A	N/A
Tax Indicator	205-206 1	X	Tax indicator for Illinois IMF tax. Only certain Miscellaneous Service Providers use this. Note: OBF/EMI format is: Indicator29 in pos. 205 and Reserved in pos 206.	No edits.	None	N/A	N/A
Deniable Indicator	207 1	X	Indicates Deniability Status for Certain Miscellaneous Service Providers. For all others not used. Note: OBF/EMI format is Reserved.	Valid values = 1, 2, 3, 4, spaces, or zero For certain Service Providers, If Billable Line Ind = 1, must = 1, 2, 3, or 4. For other Service Providers, this field is not used. Default is space or zero.	Invalid Deniable Ind value for MMBS CAR	Invoice Reject	4087
Reserved	208	X	Not used	No edits.	None	N/A	N/A
CUBS Book Cd	209-212 4	X	Book Code Only certain Directory Advertising Service Providers use this. Note: OBF/EMI format is Reserved for pos. 209-212.	No edits.	None	N/A	N/A
*********** IC Account Number Overflow 2	*********** 211-212 2	****** X	** Invoice Carrier Account Number additional positions if needed when the IC Account Number (8 positions) and IC Account Number Overflow (2 positions) are filled. By using all three fields the IC Account Number can contain a maximum of 12 characters.	** Valid values: 0-9, A-Z and spaces. No special characters allowed. Edit for Mobility only. 1. Must be valid values. 2. Must equal Marketing Summary IC Account Number Overflow 2	*** 1. Invalid IC Account Number Overflow 2. 2. Not equal to (01-51-21)	************ Invoice Reject	********* 1. 4008 2. 4095
IC Return Code 2	213-216 4	9	Not used. Note: Enterprise format is IC Account Number Overflow 3. This is for Lightspeed only.	No edits.	None	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
IC Return Code 3	217-220 4	9	Not used.	No edits.	None	N/A	N/A

EMI Invoice Charge Message Detail File Layout, Edits, and Error Codes – 81XXXX

For Service Providers that send data in Enterprise Format (rather than MW format), certain fields are modified before editing takes place. The impacted fields are: Indicator 19 (pos. 100), Call Icon (pos. 186-187), Bill Category (pos. 208-209), Charge Type (pos. 213), Classification (pos. 214), and Sub-Total Indicator (pos. 215). The specific pre-edit modifications are detailed in the 'Field Description' column for the applicable field.

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Record Id	001-006 6	X	Type of record. The field consists of three sub-fields with two digits each for the category, Group, and Record Type.	Valid values: 81XXXX.	Invalid Record ID Invoice/Adjustment	Invoice Reject	0010
Date of Record	007-012 6	9	This is the date the message was recorded.	Format = YYMMDD Valid Values: YY = 00-99 MM = 01-12 DD = 01-31 1. Must = a valid date. 2. Must not be dated before earliest message date on Invoice summary record (01-51-21).	1.Invalid Date of Record (YYMMDD) 2. Dt earlier than 01-51-21 earliest msg dt	Invoice Reject	1. 7002 2. 7003
From Number Length	013-014 2	9	Contains the actual number of digits in the From Number plus any overflow digits for overseas messages.	Valid values: 03-16. Must be valid values.	Invalid From Number Length	Invoice Reject	7004
From Number	015-024 10	9	A field that identifies the number from which the call was made. For messages originating within the North American Numbering Plan, the From Number is in the format NPA NXX LLLL. For messages originating outside the North American Numbering Plan where the From Number is more than 10 digits, this field is used in conjunction with the Overflow Digits field. For overseas-originated messages where the From Number is less than 10 digits, the digits will be left-justified with trailing zeros. On international originated messages, the From Number should begin with a leading zero which will be suppressed before printing on a customer's bill.	Valid values: 0-9 Must be numeric.	From Number is not numeric	Invoice Reject	7005

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Overflow Digits	025-027 3	9	A field used in conjunction with the From Number on messages originating overseas or with the To Number on messages terminating overseas when the overseas number exceeds ten digits. On a Group 07 record, the "overflow" field is used for the "To Number." Note: OBF/EMI format and Enterprise has Reserved for Local Company Use.	Valid values: 000-9999 Must be numeric	Overflow Digits are non-numeric	Invoice Reject	7006
To Number Length	028-029 2	9	Contains the actual number of digits in the To Number plus any overflow digits for overseas messages.	Valid values: 00 or 03-16 Must = valid values.	Invalid To Number Length	Invoice Reject	7007
To Number	030-039 10	9	A field that identifies the number to which a call was made.	Valid values: 0-9 1. Data must be numeric; zeros are acceptable for default. 2. For 81-XX-16 Records, NPA cannot equal 800 series. 3. To number must not be identified as objectionable.	1. To Number is non-numeric 2. To Number unacceptable for EC Billing. 3. To nmbr unacceptbl for EC Bllng post-pur Note: Error 3 is a post-purchase unbillable error.	Invoice Reject	1. 7008 2. 7066 3. 7076
Charge or Amount Collected	040-046 7	9	This field contains the amount for which a customer is to be billed, including Other Line Charges, excluding any taxes.	Format $$$$¢¢M Valid values: 0000000-9999999 1. Must be numeric. 2. If Indicator 13 = 4 (Other Line/Surcharge Present), then charge must be equal to or greater than Surcharge.	1. Charge is non-numeric 2. Ind 13 = 4; Charge is less than surcharge	Invoice Reject	1. 7009 2. 7073
Type of Regulation Indicator	047 1	9	Identifies whether the amount in the record is for a regulated or non-regulated service or product as defined by the entity providing the service.	Valid values: 0,1,2,3,4,5 0 = No requirement exists 1 = Regulated Toll 2 = Regulated Non-Toll 3 = Non-Regulated Non-Toll 4 = Non-Regulated Toll 5 = Non-Regulated Adult Oriented Charges No edits.	None	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
State Tax	048-051 4	9	Contains the total State Tax amount billed on a message.	Format $$¢¢ Valid values: 0000-9999 1. Must be numeric. 2. If Indicator 13 equals 1 or 2, then field cannot equal zero.	1. State tax is non-numeric. 2. State tax value in conflict with Ind 13	Invoice Reject	1. 7010 2. 7011
Local Tax	052-054 3	9	Contains the total Local Tax amount billed on a message	Format $¢¢ Valid values: 000-999 1. Must be numeric. 2. If Indicator 13 equals 2 or 3, then field cannot equal zero.	1. Local tax is non-numeric. 2. Local tax value in conflict with Ind 13	Invoice Reject	1. 7012 2. 7013
Other Line/Sur-charge	048-052 5	9	Represents Mexican Other Line, Canadian Other Line, or Ship Surcharge. The Other Line/Surcharge amount is included in the Charge field. When this field is present, Indicator 13 must have a value of 4. The Settlement Code field (Position 149) must be checked to determine whether the Other Line is Mexican (Settlement Code R) or Canadian (Settlement Code K). Ship Surcharge will appear only in a Record Type 80.	Format $$$¢¢ Valid values: 00000-99999 1. Must be numeric. 2. If Indicator 13 equals 4, then field cannot equal zero.	1. Surcharge amount is non-numeric 2. Zero Surcharge amount when Ind 13 = 4	Invoice Reject	1. 7067 2. 7014
Connect Time	055-060 6	9	Represents the time of day that the transaction began.	Format = HHMMSS (Hrs, Mins, Secs) Valid Values: HH = 00 to 23 or 25 if hour not available MM = 00 to 59 or 99 if minutes not available SS = 00 to 59 or 99 if seconds not available Must be numeric.	Invalid Connect Time	Invoice Reject	7016
Billable Time	061-067 7	9	Contains the time interval used to determine the charge for the transaction. This field is used in conjunction with Indicator 6 - Rounding of Billable Time.	Format = MMMMSST (Mins, Secs, Tenths) Valid Values: MMMM = 0000 - 9999 SS = 00 - 59 T = 0 - 9 Must be numeric.	Invalid Billable Time	Invoice Reject	7017

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Method of Recording	068-069 2	9	Describes the operating, ticketing, or recording process used to record the message details on the wireline network. Refer to the OBF/EMI document for additional information.	Valid Values: 00 = Default 01, 02, 03, or 04 = Customer dialed not Operator Serviced 11 or 12 = Customer dialed, Operator Serviced 21 or 22 = Operator Completed 31, 32, or 33 = Operator Handled – Ticketed 41, 42, or 43 = Operator Handled – Keyed 51 or 52 = Register Recording Must be valid values. Note: Mobility uses 00 Default.	Invalid Method of Recording	Invoice Reject	7018
Return Code	070-071 2	X	Describes the reason for returning an unbillable message. Refer to the ATIS/OBF EMI document for value descriptions. Not used by IO to Telco on input. Used by Telco to IO for returns.	Valid values: zeros On records received from an IO, this field must contain zero. On records returned to an IO from AT&T Telco MW, this field will be populated with a valid Return Code value.	Return Code not equal to zero	Invoice Reject	7019
From RAO	072-074 3	X	Contains the RAO assigned to the interfacing LEC. Note: OBF/EMI format is Reserved.	Valid values: 0 – 9 and A – Z. No special characters or spaces. Must be valid values.	From RAO is not valid	Invoice Reject	7020

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Code Override	075-077 3	X	Identifies the specific data to be used in the Detail Message 'Code' Column on the Bill Format Display. Service Providers may or may not use this field. If they don't use this field, then the Detail Message 'Code' Column will be determined by Bill Format using other fields. If Service Providers are not using this field, it should be populated with all zeroes.	Valid values: 0-9, A-Z & trailing spaces. Invalid values: • Leading or imbedded spaces • Lower case alpha (a-z) • Special Characters • BJ , BS , CR, FB , FU , or MF (two char. followed by space) • ASS, BFD, BFE, BRA, BUD, BUN, BUT, CON, CRS, CUM, DAM, DIC, DIE, DIK, DUI, DUM, DWI, FAG, FAT, FIB, FUC, FUK, GAS, GAY, HAG, NIP, PEE, PIS, POO, POS, PRO, SEX, SIN, SOB, SUC, SUK, SUX, TAX, TIT, WAR, WET, YES, YUC, YUK Must be valid values. Listed invalid values not allowed.	Invalid Code Override	Invoice Reject	7082
Rate Period	078 1	9	Identifies the element of a tariff used for rating a message.	Valid values: 0 = Default 1 = Day/Full Rate 2 = Evening/Discount Rate 3 = Night/Economy Rate 4 = Carrier Specific or Anytime 5 = Carrier Specific or Late night 6 = Carrier Specific or Weekend 7 = Regular – Peak Overseas 8 = Discount Overseas 9 = Economy - Off Peak Overseas Must be numeric.	Rate period not equal to zero thru 9	Invoice Reject	7022

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Rate Class	079 1	9	Identifies whether the message was person or station and customer dialed or operator handled.	Valid Values: 0 = Default 1 = Person 2 = Person Call Back (PCB) 3 = Operator Station 4 = Dial Station 5 = Operator Completed & Dial Rate Applied 6 = 0+ Calling Card 9 = IP Dialed Station Must be numeric.	Rate Class not equal to 1 thru 6	Invoice Reject	7023
Message Type	080 1	9	Identifies the billing arrangement applicable to the transaction.	Valid Values: 1 = Send Paid 2 = Third Number 3 = Calling Card 4 = Collect 5 = Special Collect Must be numeric and valid value. If REC ID = 810104, then any value is valid.	Invalid Message Type	Invoice Reject	7024
IOC Code Or Type of DA Service Indicator Or Treatable Indicator (Industry Standard)	081 1	9	Identifies the International Operating Center (IOC) that recorded the message. Or Identifies Type of DA Service if the Record ID (pos. 5 – 6) = '32' Or Identifies if the amount of the product/service is treatable and the end user can be denied access due to non-payment.	Valid values for Treatable Ind: 0 = No requirements exist 1 = Non-deniable 2 = Local Service deny 3 = Toll Service deny 4 = Both Local and Toll deny 5 = Reserved 6 = Reserved 7 = Reserved 8 = Local Company Use 9 = Local Company Use Must be numeric.	IOC Code is non-numeric	Invoice Reject	7025
Indicator 1	082 1	9	Coin/Hotel Guest/OUTWATS out of band. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicator 1, 2, or 3 is non-numeric	Invoice Reject	7026

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Indicator 2	083 1	9	Credit Applied/Customer Requested Recharge. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicator 1, 2, or 3 is non-numeric	Invoice Reject	7026
Indicator 3	084 1	9	Returns/Rebill. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicator 1, 2, or 3 is non-numeric	Invoice Reject	7026
Indicator 4	085 1	9	Other Place. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0,1,3,or 8 0 = Default 1 = Other Place Originated (a non-dialable rate center – with pseudo NPA/NXX's assigned) 3 = Other Place Originated and Terminated 8 = Other Place terminated Must be numeric.	Invalid value for Indicator 4	Invoice Reject	7027
Indicator 5	086 1	9	Identifies a billable message as the first call detail or subsequent call detail record of a Multiple Rate Period call that qualifies for an Invoice Originator Calling Plan.	Valid values: 0, 3, 4 0 = Default/Not Applicable 3 = First detail call record 4 = Subsequent detail call record 1. Must be a valid value. 2. If value is 3 or 4, then Ind. 18 (Multiple Rate Period) must be set to 1 or 3. 3. If value is 3, must be first record in sequence and have at least one associated record with a value of 4. 4. If value is 4, then preceding call record must have a value of 3 or 4 for Ind. 5.	1. Invalid Value for Indicator 5. 2. Indicator 5 value conflicts with Ind 18. 3. Ind 5 value conflicts with Rec sequence. 4. Ind 5 value conflicts with Prev call rec	Invoice Reject	1. 7028 2. 7029 3. 7074 4. 7030

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Indicator 6	087 1	9	Tariff Applied/Rounding of Billable Time. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0, 1, 2, 3, 7 0 = Default/Not Applicable 1 = One minute Tariff applied - Billable time rounded (+1 minute) 2 = 30 second Tariff applied – Billable time unrounded 3 = 1/10th minute Tariff applied – Billable time unrounded 7 = One second Tariff applied – Billable time unrounded. Must be valid value.	Invalid value for Indicator 6	Invoice Reject	7033
Indicator 7	088 1	9	CDAR/30+ Connect Time/Optional Calling Plan (OCP) Data. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0-9 1. Must be numeric. 2. If Indicator 7 is equal to 5, then CDAR # (pos 123-130) on the 81-XX-XX record cannot equal blanks. 5 = Customer dialed sub-account billing code	1. Indicator 7 is non-numeric 2. Indicator 7=5, Blanks present in pos 123-130	Invoice Reject	1. 7034 2. 7080
Indicator 8	089 1	9	Serial Number/Operator Unit/Recording Point ID/Library Phone Number/Departmental ID/IC Serial Number/Obligation ID present. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicator 8 is non-numeric	Invoice Reject	7035
Indicator 9	090 1	9	Radio Services Originated. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicator9 or 10 is non-numeric	Invoice Reject	7036
Indicator 10	091 1	9	Radio Services Terminated. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicator9 or 10 is non-numeric	Invoice Reject	7036

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Indicator 11	092 1	9	Billing Number Characteristics. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0 – 8 Must be valid value.	Invalid value for Indicator 11	Invoice Reject	7037
Indicator 12	093 1	9	Time and Charges/ Field Overflow/Long Duration. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0 – 7 Must be valid value.	Invalid value for Indicator 12	Invoice Reject	7038
Indicator 13	094 1	9	Tax/Other Line Charge Unrated/800 Service. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0 – 6 1. Must be valid value. 2. If Indicator 13 equals 4 and the date of this cat. 81 record equals the date of the previous cat. 81 record, then the surcharge amount must equal the charge amount.	1. Invalid value for Indicator 13 2. Ind 13 conflicts with T/DT 1st call rec	Invoice Reject	1. 7039 2. 7032
Indicator 14	095 1	9	Record Revision. Refer to the ATIS/OBF EMI document for additional information.	Valid value: 7 7 = Record is without modules attached and the Carrier ID is four positions Must be valid value.	Invalid value for Indicator 14	Invoice Reject	7040
Indicator 15	096 1	9	BCC/IEC, CLEC/IC Rated/Originated. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0-9 Must be numeric.	Invalid value for Indicator 15	Invoice Reject	7041
Indicator 16	097 1	9	Part Charge/Specialized calling. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0 – 8 Must be valid value.	Invalid value for Indicator 16	Invoice Reject	7042
Indicator 17	098 1	9	Redirected Message/Billing Validation Database (BVDB). Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicator 17 is non-numeric	Invoice Reject	7043

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Indicator 18	099 1	9	Multiple Rate Periods/Attempts. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0 – 3 0 = Default/Not applicable 1 = Multi-rate period message 2 = Attempt message 3 = Multi-rate period attempt message Must be valid value. If record ID = 810104, Ind. 18 must = zero.	Invalid value for Indicator 18	Invoice Reject	7044
Indicator 19	100 1	9	Local Access Transport Area (LATA) Identifier. Refer to the OBF/EMI document for additional information. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Indicator 19 (pos. 100) is populated as follows: If Indicator 19 is a space, then Indicator 19 is populated with '0' (zero).	Valid values: 0 – 6 Must be valid value.	Invalid value for Indicator 19	Invoice Reject	7045
Indicator 20	101 1	9	Locally Negotiated. Not used.	Valid values: zero Must be zero.	Indicator 20 is not equal to zero	Invoice Reject	7046
Obligation ID (aka OBID)	102-109 8	9	Used by Invoice Originator (IO) for Invoice tracking purposes.	Valid values: 000000001-999999999 Must equal OBID on header record (20-22-05)	Not equal to header (20-22-05) value	Invoice Reject	7099
Billing RAO	110-112 3	X	RAO to which the pack is directed for billing. See Header Record for detailed information on this field.	Valid values: 000000001-999999999 Must equal Billing RAO on header record (20-22-05)	Not equal to header (20-22-05) value	Invoice Reject	7099
Billing Number	113-122 10	9	Contains the NPA, NXX and four position line number to which the transaction is to be billed.	Format NPANXXLINE Valid values: 0-9 Must be numeric and not equal to zero.	Invalid Billing Number (data is = zero)	Invoice Reject	7049

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
From Location/ Service Name Or CDAR No. (pos. 123-130)	123-134 12	X	Contains the location from which the transaction originated. Usually, the standard abbreviation of the city or location from which the transaction originated is populated in positions 123-132 and the two position alpha standard abbreviation of the state or province in positions 133-134. On Record Type 17, this field contains the voice message service name. On Record Types 18 and 32, this field contains the literal that describes the specialized service charge.	Valid values: 0-9, A-Z,*, #, &, -, spaces May = all zeros or all spaces. Field must be populated with valid values for all Category 81 and Category 82 records unless Indicator 23 is equal to 4 and Indicator 19 is equal to 4 or 6. If Indicator 7 = 5, then this is used for the CDAR number.	From LOC in conflict with Ind 23 and 19	Invoice Reject	7050
To Location/ Service Name	135-146 12	X	Contains the location at which a transaction was terminated. The setting of indicator 10 may affect the detail contained in this field. On Record Type 17, this field contains the voice message name. On Record Types 18 and 32, this field contains the literal that describes the specialized service charge.	No edits.	None	N/A	N/A
Reserved	147-148 2	X	Not used by Generic Invoice. MCI & Sprint use.	No edits.	None	N/A	N/A
Settlement Code	149 1	X	Used for the classification of messages and revenues. Refer to the OBF/EMI document for additional information.	Valid Values: 3,5,6,8,9,G,J,K,L,N,P,Q,R Must be valid value.	Invalid settlement code	Invoice Reject	7052
Carrier Id	150-152 3	9	Not used.	No edits.	None	N/A	N/A
IC Specific	153-157 5	X	Not used.	No edits.	None	N/A	N/A
Indicator 21	158 1	9	Equal Access Dialing Method. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0 – 7 Must be valid value.	Invalid value for Indicator 21	Invoice Reject	7055
Indicator 22	159 1	9	Recording Entity. Refer to the OBF/EMI document for additional information.	Valid values: 0 – 5 Must be valid value.	Invalid value for Indicator 22	Invoice Reject	7056
Indicator 23	160 1	9	Type of Credit Card. Refer to the OBF/EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicator 23 is non-numeric	Invoice Reject	7057

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Indicator 24	161 1	9	Specialized Services. Refer to the OBF/EMI document for additional information.	Valid values: 0 – 3 Must be valid value.	Invalid value for Indicator 24	Invoice Reject	7058
Indicator 25	162 1	9	Locally Negotiated	Valid values: 0-9 Must be numeric.	Indicators 25 thru 30 is/are non-numeric	Invoice Reject	7059
Indicator 26	163 1	9	Locally Negotiated	Valid values: 0-9 Must be numeric.	Indicators 25 thru 30 is/are non-numeric	Invoice Reject	7059
Indicator 27	164 1	9	Tax Exempt. Refer to the OBF/EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicators 25 thru 30 is/are non-numeric	Invoice Reject	7059
Indicator 28	165 1	9	Locally Negotiated. Refer to the OBF/EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicators 25 thru 30 is/are non-numeric	Invoice Reject	7059
Indicator 29	166 1	9	Other Billing Entity. Refer to the OBF/EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicators 25 thru 30 is/are non-numeric	Invoice Reject	7059

Indicator 30	167 1	9	Locally Negotiated.
			Type of Billable Units.
				Valid values: 0-3
				0 = Billable unit default:
				    Mobility – 'Units'
				    All others – 'Min'
				1 = Billable units measured in 'Min''
				2 = Billable unit measured in 'Msg'
				3 = Billable units measured in 'KB'
				1. Must be numeric.
				2. Must be valid value.
					1. Indicators 25 thru 30 is/are non-numeric
					
					2. Invalid value for Indicator 30
						Invoice Reject	1. 7059
							2. 7072

Reserved For Local Company Use	168-175	9	Not used.	No edits.	N/A	N/A	N/A
IC Specific	176-184 9	X	Not used.	No edits.	N/A	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Bill Line Attribute	185 1	X	Identifies Bill Line attributes for Bill Format Display.	Valid values: 0, 2, or space. 0 = N/A 2 = Print amount in bold font Space = N/A Must be a valid value. Note: 0 and space are default setting for N/A.	Invalid Bill Line Attribute	Invoice Reject	7083
Call ICON	186-187 2	X	Identifies messages that require an icon (mark, symbol) on the Bill Display. A legend is present for customer explanation. Note: OBF/EMI and Enterprise format are IC Specific. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Call Icon (pos. 186-187) is populated by moving the new Enterprise Plan Indicator (pos. 213-214) to Call Icon. This is done before the Charge Type (pos. 213) and Classification (pos. 214) are modified.	Valid values: A-Z and space (pos. 186); A-Z, 0-9, and space (pos. 187). Invalid values: • Lower case alpha (a-z) • Special Characters • BJ, BS, CR, FB, FU, or MF • Alpha 'O' followed by space • Numeric in 1st position. Must be valid values. Listed invalid values not allowed.	Invalid Call ICON	Invoice Reject	7078
From Number Overseas Overflow Digits	188-193 6	9	Contains the digits 11-16 of the "From Number" on messages that originate overseas when the overseas number exceeds 10 digits (as identified in the "From Number Length"). When this field is populated positions 25-27 ("Overflow Digits") of the record should be Zero.	Valid values: 0-9 If the International Expansion Indicator (pos. 200) = 1 or 3, From Number Overseas Overflow Digits must be numeric.	Non-numer. From Overseas Num (CAT 81 REC).	Invoice Reject	7416
To Number Overseas Overflow Digits	194-199 6	9	Contains the digits 11-16 of the "To Number" on messages terminating overseas when the overseas number exceeds 10 digits (as identified in the "To Number Length"). When this field is populated positions 25-27 ("Overflow Digits") of the record should be zero.	Valid values: 0-9 If the International Expansion Indicator (pos. 200) = 2 or 3, To Number Overseas Overflow Digits must be numeric.	Non-numer. To Overseas Num (CAT 81 REC).	Invoice Reject	7417

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Internationl Expansion Indicator	200 1	9	Identifies the locations of the overflow digits of an International Number.	Valid Values: 0, 1, 2, 3 0= No overflow digits are provided 1=The from number overflow digits are provided in 'From Number Overseas Overflow Digits' field 2= The to number overflow digits are provided in 'To Number Overseas Overflow Digits' field 3= The from and to number overflow digits are provided in the respective Overseas Overflow Digits fields Should be a valid value, but no edits.	N/A	N/A	N/A
Reserved	201-203 3	X	Not used.	No edits.	None	N/A	N/A
Carrier Id Expanded	204-207 4	9	Billing Entity for the pack. (AKA CIC)	Valid values: 0000-9999 Must be numeric and match the Header (20-22-05) CIC.	Invalid Carrier ID	Invoice Reject	7053
Bill Category Type	208-209 2	9	Identifies the type of charge for bill display purposes. Note: OBF/EMI format is IC Specific. Enterprise format is Electronic Serial Number in pos. 208-211. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Bill Category Type (pos. 208-209) is populated with '07'.	Valid Values: 01,02,03,05,07,09 Must be valid value.	Invalid Bill Category Type	Invoice Reject	7060

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Bill Sub-category Type	210-212 3	X	Further identifies the type of charge for bill display purposes. Commonly used to identify messages included in specific Calling Plans, messages that are discounted, messages that are non-billable, or type of messages such as Directory Assistance or Calling Card messages. Note: OBF/EMI format is IC Specific. Enterprise format is Electronic Serial Number in pos. 208-211 and Amount Indicator in pos. 212.	Valid values: 0-9, A-Z Must be alphanumeric. No blanks or special characters allowed.	Invalid Bill Sub-Category ID	Invoice Reject	7061
Charge Type	213 1	X	Identifies the type of charge, i.e., Tax, Usage, etc., for bill format purposes. Note: OBF/EMI format is IC Specific. Enterprise format is Plan Indicator in pos. 213-214. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Charge Type (pos. 213) is populated with 'Z'. This is done after the Call Icon (pos. 186-187 is updated.	Valid Values: E,K,N,R,T,Z E = Surcharge K = Usage/Detail N = Other Charges & Credits) R = Monthly Service T = Tax Z = Summary/Other Must be valid value.	Invalid Charge Type	Invoice Reject	7062
Classification	214 1	X	Identifies the revenue classification of the charge in the record. Note: OBF/EMI format is IC Specific. Enterprise format is Plan Indicator in pos. 213-214. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Classification (pos. 214) is populated with 'Z'. This is done after the Call Icon (pos. 186-187 is updated.	Valid values = 1,2,3,4,5,6,7,8,A,B,C,D,E,M,Z 1 = Regulated Interstate 2 = Regulated Intrastate 3 = Regulated International 4 = Non-Regulated Revenue 5 = Non-Regulated Liability 6 = Surcharge – print only 7 = Federal Tax - Print Only 8 = State/Local Tax - Print Only A = State B = City C = Local D = Other E = Federal M = Multiple Revenue Classification Indicator Z = Other Must be valid value.	Invalid Classification Value	Invoice Reject	7068

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Sub-total Indicator	215 1	9	Identifies if the billable message is to be included in a Sub-Total entry on the bill. Note: OBF/EMI format is IC Specific. Enterprise format is Amount Text in pos. 215-220. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Sub-Total Indicator (pos. 215) is populated with '1'.	Valid values: 1 or 2 1 = Include in sub-total 2 = Do not include in sub-total Must be valid value.	Invalid Sub-total Indicator	Invoice Reject	7063
IDB Call Plan Indicator (IDB Only)	216-217 2	X	Identifies that the detail message applies to a specific OCP Plan. IDB Call Plan Indicator is an IDB (CIC 0288) only field. Note: OBF/EMI format is IC Specific. Enterprise format is Amount Text in pos. 215-220.	Valid values: A-Z and space (pos. 216); A-Z, 0-9, and space (pos. 217) Invalid values: • Lower case alpha (a-z) • Special Characters • BJ, BS, CR, FB, FU, or MF • Alpha O followed by a space • numeric in 1st position Must be valid values. Listed invalid values not allowed. IDB Call Plan Indicator Edits are for IDB only.	Invalid IDB Call Plan Indicator This error is only for IDB.	Invoice Reject	7064
IC Specific	218-220 3	X	Not used. Note: Enterprise format is Amount Text in pos. 215-220.	No edits.	None	N/A	N/A

EMI Invoice Credit Message Detail File Layout, Edits, and Error Codes – 82XXXX

For Service Providers that send data in Enterprise Format (rather than MW format), certain fields are modified before editing takes place. The impacted fields are: Indicator 19 (pos. 100), Call Icon (pos. 186-187), Bill Category (pos. 208-209), Charge Type (pos. 213), Classification (pos. 214), and Sub-Total Indicator (pos. 215). The specific pre-edit modifications are detailed in the 'Field Description' column for the applicable field.

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Record Id	001-006 6	X	Type of record. The field consists of three sub-fields with two digits each for the category, Group, and Record Type.	Valid values: 82XXXX.	Invalid Record ID Invoice/Adjustment	Invoice Reject	0010
Date of Record	007-012 6	9	This is the date the message was recorded.	Format = YYMMDD Valid values: YY = 00-99 MM = 01-12 DD = 01-31 1. Must = a valid date. 2. Must not be dated before earliest message date on Invoice summary record (01-51-21).	1.Invalid Date of Record (YYMMDD) 2. Dt earlier than 01-51-21 earliest msg dt	Invoice Reject	1. 7502 2. 7503
From Number Length	013-014 2	9	Contains the actual number of digits in the From Number plus any overflow digits for overseas messages.	Valid values: 03-16 Must be valid value.	Invalid From Number Length	Invoice Reject	7504
From Number	015-024 10	9	A field that identifies the number from which the call was made. For messages originating within the North American Numbering Plan, the From Number is in the format NPA NXX LLLL. For messages originating outside the North American Numbering Plan where the From Number is more than 10 digits, this field is used in conjunction with the Overflow Digits field. For overseas-originated messages where the From Number is less than 10 digits, the digits will be left-justified with trailing zeros. On international originated messages, the From Number should begin with a leading zero which will be suppressed before printing on a customer's bill.	Format NPANXXLINE Valid values: 0-9 Must be numeric.	From Number is not numeric	Invoice Reject	7505

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Overflow Digits	025-027 3	9	A field used in conjunction with the From Number on messages originating overseas or with the To Number on messages terminating overseas when the overseas number exceeds ten digits. On a Group 07 record, the "overflow" field is used for the "To Number."	Valid values: 0-9 Must be numeric	Overflow Digits are non-numeric	Invoice Reject	7506
To Number Length	028-029 2	9	Contains the actual number of digits in the To Number plus any overflow digits for overseas messages.	Valid values: 00 or 03-16 Must be valid value.	Invalid To Number Length	Invoice Reject	7507
To Number	030-039 10	9	A field that identifies the number to which a call was made.	Format NPANXXLINE Valid values: 0-9 1. Data must be numeric; zeros are acceptable for default. 2. To Number must represent message detail that AT&T MW considers acceptable for billing. For 81-XX-16 Records, NPA cannot equal 800 series. 3. Must not be an objectionable message.	1. To Number is non-numeric 2. To Number unacceptable for EC Billing. 3. To nmbr unacceptbl for EC Bllng post-pur Note: Error 3 is a post-purchase unbillable error.	Invoice Reject	1. 7508 2. 7571 3. 7581
Credit Amount	040-046 7	9	This field contains the amount for which a customer is to be billed, including Other Line Charges, excluding any taxes.	Format $$$$¢¢M Valid values: 000000000-999999999 Must be numeric. 1. If Indicator 13 = 4 (Other Line/Surcharge Present), then charge must be equal to or greater than Surcharge.	1. Credit is non-numeric 2. Ind 13 = 4; Charge is less than surcharge	Invoice Reject	1. 7509 2. 7573
Type of Regulation Indicator	047 1	9	Identifies whether the amount in the record is for a regulated or non-regulated service or product as defined by the entity providing the service.	Valid values = 0,1,2,3,4,5 0 = No requirement exists 1 = Regulated Toll 2 = Regulated Non-Toll 3 = Non-Regulated Non-Toll 4 = Non-Regulated Toll 5 = Non-Regulated Adult Oriented Charges No edits.	None	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
State Tax	048-051 4	9	Contains the total State Tax amount billed on a message.	Format $$¢¢ Valid values: 0000-9999 1. Must be numeric. 2. If Indicator 13 equals 1 or 2, then field cannot equal zero.	1.Credit State tax is non-numeric. 2. Credit State tax conflicts with Ind 13	Invoice Reject	1. 7510 2. 7511
Local Tax	052-054 3	9	Contains the total Local Tax amount billed on a message	Format $¢¢ Valid values: 000-999 1. Must be numeric. 2. If Indicator 13 equals 2 or 3, then field cannot equal zero.	1. Credit Local tax is non-numeric. 2. Credit Local tax conflicts with Ind 13	Invoice Reject	1. 7512 2. 7513
Other Line/Sur-charge	048-052 5	9	Represents Mexican Other Line, Canadian Other Line, or Ship Surcharge. The Other Line/Surcharge amount is included in the Charge field. When this field is present, Indicator 13 must have a value of 4. The Settlement Code field (Position 149) must be checked to determine whether the Other Line is Mexican (Settlement Code R) or Canadian (Settlement Code K). Ship Surcharge will appear only in a Record Type 80.	Format $$$¢¢ Valid values: 00000-99999 1. Must be numeric. 2. If Indicator 13 equals 4, then field cannot equal zero.	1. Surcharge amount is non-numeric 2. Zero Surcharge amount when Ind 13 = 4	Invoice Reject	1. 7564 2. 7514
Connect Time	055-060 6	9	Represents the time of day that the transaction began.	Format = HHMMSS (Hrs, Mins, Secs) Valid Values: HH = 00 to 23 or 25 if hour not available MM = 00 to 59 or 99 if minutes not available SS = 00 to 59 or 99 if seconds not available Must be numeric.	Invalid Connect Time	Invoice Reject	7516
Credit Time	061-067 7	9	Contains the time interval used to determine the charge for the transaction. This field is used in conjunction with Indicator 6 - Rounding of Billable Time.	Format = MMMMSST (Mins, Secs, Tenths) Valid Values: MMMM = 0000 - 9999 SS = 00 - 59 T = 0 - 9 Must be numeric.	Invalid Credit Time	Invoice Reject	7517

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Method of Recording	068-069 2	9	Describes the operating, ticketing, or recording process used to record the message details on the wireline network. Refer to the ATIS/OBF EMI document for additional information.	Valid Values: 00 = Default 01, 02, 03, or 04 = Customer dialed not Operator Serviced 11 or 12 = Customer dialed, Operator Serviced 21 or 22 = Operator Completed 31, 32, or 33 = Operator Handled – Ticketed 41, 42, or 43 = Operator Handled – Keyed 51 or 52 = Register Recording Must be valid value. Note: Mobility uses 00 Default.	Invalid Method of Recording	Invoice Reject	7518
Return Code	070-071 2	X	Describes the reason for returning an unbillable message. Refer to the ATIS/OBF EMI document for value descriptions. Not used on IO to Telco input. Used by Telco to IO for returns.	Valid values: zeros On records received from an IO, this field must contain zero. On records returned to an IO from AT&T Telco MW, this field will be populated with a valid Return Code value.	Return Code not equal to zero	Invoice Reject	7519
From RAO	072-074 3	X	Contains the RAO assigned to the interfacing LEC. Note: OBF/EMI format is Reserved.	Valid values: 0 – 9 and A – Z. No special characters or spaces. Must be valid value.	From RAO is not valid	Invoice Reject	7520
Code Override	075-077 3	X	Identifies the specific data to be used in the Detail Message 'Code' Column Bill Format Display. Service Providers may or may not use this field. If they don't use this field, then the Detail Message 'Code' Column will be determined by Bill Format using other fields. If Service Providers are not using this field, it should be populated with all zeroes.	Valid values: 0-9, A-Z & trailing spaces. Invalid values: - Leading or imbedded spaces - Lower case alpha s (a-z) - Special Characters - BJ , BS , CR, FB , FU , or MF (two char. followed by space) - ASS, BFD, BFE, BRA, BUD, BUN, BUT, CON, CRS, CUM, DAM, DIC, DIE, DIK, DUI, DUM, DWI, FAG, FAT, FIB, FUC, FUK, GAS, GAY, HAG, NIP, PEE, PIS, POO, POS, PRO, SEX, SIN, SOB, SUC, SUK, SUX, TAX, TIT, WAR, WET, YES, YUC, YUK Must be valid values. Listed invalid values not allowed.	Invalid Code Override	Invoice Reject	7582

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Rate Period	078 1	9	Identifies the element of a tariff used for rating a message.	Valid values: 0-9 0 = Default 1 = Day/Full Rate 2 = Evening/Discount Rate 3 = Night/Economy Rate 4 = Carrier Specific or Anytime 5 = Carrier Specific or Late night 6 = Carrier Specific or Weekend 7 = Regular – Peak Overseas 8 = Discount Overseas 9 = Economy - Off Peak Overseas Must be valid value.	Rate period not equal to zero thru 9	Invoice Reject	7522
Rate Class	079 1	9	Identifies whether the message was person or station and customer dialed or operator handled.	Valid Values: 0 = Default 1 = Person 2 = Person Call Back (PCB) 3 = Operator Station 4 = Dial Station 5 = Operator Completed & Dial Rate Applied 6 = 0+ Calling Card 9 = IP Dialed Station Must be numeric.	Rate Class not equal to 1 thru 6	Invoice Reject	7523
Message Type	080 1	9	Identifies the billing arrangement applicable to the transaction.	Valid Values: 1 = Send Paid 2 = Third Number 3 = Calling Card 4 = Collect 5 = Special Collect Must be numeric and valid value. If REC ID = 810104, then any value is valid.	Invalid Message Type	Invoice Reject	7524

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
IOC Code Or Type of DA Service Indicator Or Treatable Indicator (Industry Standard)	081 1	9	Identifies the International Operating Center (IOC) that recorded the message. Or Type of DA Service Indicator if the Record Type (pos. 5 – 6) = '32' Or Identifies if the amount of the product/service is treatable and the end user can be denied access due to non-payment.	Valid values for Treatable Ind: 0 = No requirements exist 1 = Non-deniable 2 = Local Service deny 3 = Toll Service deny 4 = Both Local and Toll deny 5 = Reserved 6 = Reserved 7 = Reserved 8 = Local Company Use 9 = Local Company Use Must be numeric.	IOC Code is non-numeric	Invoice Reject	7525
Indicator 1	082 1	9	Coin/Hotel Guest/OUTWATS out of band. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0-9. Must be numeric.	Indicator 1, 2, or 3 is non-numeric	Invoice Reject	7526
Indicator 2	083 1	9	Credit Applied/Customer Requested Recharge. Refer to the OBF/EMI document for additional information.	Valid values: 0-9. Must be numeric.	Indicator 1, 2, or 3 is non-numeric	Invoice Reject	7526
Indicator 3	084 1	9	Returns/Rebill. Refer to the OBF/EMI document for additional information.	Valid values: 0-9. Must be numeric.	Indicator 1, 2, or 3 is non-numeric	Invoice Reject	7526
Indicator 4	085 1	9	Other Place. Refer to the OBF/EMI document for additional information.	Valid values: 0,1,3,or 8 0 = Default 1 = Other Place Originated (a non-dialable rate center – with pseudo NPA/NXX's assigned) 3 = Other Place Originated and Terminated 8 = Other Place terminated Must be numeric.	Invalid value for Indicator 4	Invoice Reject	7527

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Indicator 5	086 1	9	Identifies a billable message as the first call detail or subsequent call detail record of a Multiple Rate Period call that qualifies for an Invoice Originator Calling Plan.	Valid values: 0, 3, 4 0 = Default/Not Applicable 3 = First detail call record 4 = Subsequent detail call record 1. Must be valid value. 2. If value is 3 or 4, then Ind. 18 (Multiple Rate Period) must be set to 1 or 3. 3. If value is 3, must be first record in sequence and have at least one associated record with a value of 4. 4. If value is 4, then preceding call record must have a value of 3 or 4 for Ind. 5.	1. Invalid Value for Indicator 5. 2. Indicator 5 value conflicts with Ind 18. 3. Ind 5 value conflicts with Rec sequence. 4. Ind 5 value conflicts with Prev call rec	Invoice Reject	1. 7528 2. 7529 3. 7574 4. 7530
Indicator 6	087 1	9	Tariff Applied/Rounding of Billable Time. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0, 1, 2, 3, 7 0 = Default/Not Applicable 1 = One minute Tariff applied - Billable time rounded (+1 minute) 2 = 30 second Tariff applied – Billable time unrounded 3 = 1/10th minute Tariff applied – Billable time unrounded 7 = One second Tariff applied – Billable time unrounded. Must be valid value.	Invalid value for Indicator 6	Invoice Reject	7533
Indicator 7	088 1	9	CDAR/30+ Connect Time/Optional Calling Plan (OCP) Data. Refer to the ATIS/OBF EMI document for additional information.	Valid values: 0-9 1. Must be numeric. 2. If Indicator 7 is equal to 5, then CDAR # (pos 123-130) on the 81-XX-XX record cannot equal blanks. 5 = Customer dialed sub-account billing code	1. Indicator 7 is non-numeric 2. Indicator 7=5, Blanks present in pos 123-130	Invoice Reject	1. 7534 2. 7580

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Indicator 8	089 1	9	Serial Number/Operator Unit/Recording Point ID/Library Phone Number/Departmental ID/IC Serial Number/Obligation ID present. Refer to the OBF/EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicator 8 is non-numeric	Invoice Reject	7535
Indicator 9	090 1	9	Radio Services Originated. Refer to the OBF/EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicator9 or 10 is non-numeric	Invoice Reject	7536
Indicator 10	091 1	9	Radio Services Terminated. Refer to the OBF/EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicator9 or 10 is non-numeric	Invoice Reject	7536
Indicator 11	092 1	9	Billing Number Characteristics. Refer to the OBF/EMI document for additional information.	Valid values: 0 – 8 Must be valid value.	Invalid value for Indicator 11	Invoice Reject	7537
Indicator 12	093 1	9	Time and Charges/ Field Overflow/Long Duration. Refer to the OBF/EMI document for additional information.	Valid values: 0 – 7 Must be valid value.	Invalid value for Indicator 12	Invoice Reject	7538
Indicator 13	094 1	9	Tax/Other Line Charge Unrated/800 Service. Refer to the OBF/EMI document for additional information.	Valid values: 0 – 6 1. Must be numeric and valid value. 2. If Indicator 13 equals 4 and the date of this cat. 81 record equals the date of the previous cat. 81 record, then the surcharge amount must equal the charge amount.	1. Invalid value for Indicator 13 2. Ind 13 conflicts with T/DT 1st call rec	Invoice Reject	1. 7539 2. 7532
Indicator 14	095 1	9	Record Revision. Refer to the ATIS/OBF EMI document for additional information.	Valid value: 7 7 = Record is without modules attached and the Carrier ID is four positions Must be valid value.	Invalid value for Indicator 14	Invoice Reject	7540

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Indicator 15	096 1	9	BCC/IEC, CLEC/IC Rated/Originated. Refer to the OBF/EMI document for additional information.	Valid values: 0-9 Must be numeric.	Invalid value for Indicator 15	Invoice Reject	7541
Indicator 16	097 1	9	Part Charge/Specialized calling. Refer to the OBF/EMI document for additional information.	Valid values: 0 – 8 Must be valid value.	Invalid value for Indicator 16	Invoice Reject	7542
Indicator 17	098 1	9	Redirected Message/Billing Validation Database (BVDB). Refer to the OBF/EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicator 17 is non-numeric	Invoice Reject	7543
Indicator 18	099 1	9	Multiple Rate Periods/Attempts. Refer to the OBF/EMI document for additional information.	Valid values: 0 – 3 0 = Default/Not applicable 1 = Multi-rate period message 2 = Attempt message 3 = Multi-rate period attempt message Must be valid value. If record ID = 810104, Ind. 18 must = zero.	Invalid value for Indicator 18	Invoice Reject	7544
Indicator 19	100 1	9	Local Access Transport Area (LATA) Identifier. Refer to the ATIS/OBF EMI document for additional information. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Indicator 19 (pos. 100) is populated as follows: If Indicator 19 is a space, then Indicator 19 is populated with '0' (zero).	Valid values: 0 – 6 Must be valid value.	Invalid value for Indicator 19	Invoice Reject	7545
Indicator 20	101 1	9	Locally Negotiated. Not used.	Valid values: zero. Must be zero.	Indicator 20 is not equal to zero	Invoice Reject	7546

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Obligation ID (aka OBID)	102-109 8	9	Used by Invoice Originator (IO) for Invoice tracking purposes.	Valid values: 00000001-99999999 Must equal OBID on header record (20-22-05)	Not equal to header (20-22-05) value	Invoice Reject	7599
Billing RAO	110-112 3	X	RAO to which the pack is directed for billing. See Header Record for detailed information on this field.	Valid values: A-Z, 0-9 Must equal OBID on header record (20-22-05)	Not equal to header (20-22-05) value	Invoice Reject	7599
Billing Number	113-122 10	9	Contains the NPA, NXX and four position line number to which the transaction is to be billed.	Format NPANXXLINE Valid Values: 0-9 Must be numeric and not all equal to zero.	Invalid Billing Number (data is = zero)	Invoice Reject	7549
From Location/ Service Name Or CDAR No. (pos. 123-130)	123-134 12	X	Contains the location from which the transaction originated. Usually, the standard abbreviation of the city or location from which the transaction originated is populated in positions 123-132 and the two position alpha standard abbreviation of the state or province in positions 133-134. On Record Type 17, this field contains the voice message service name. On Record Types 18 and 32, this field contains the literal that describes the specialized service charge.	Valid values: 0-9, A-Z,*, #, &, -, spaces May = all zeros or all spaces. Field must be populated with valid values for all Category 81 and Category 82 records unless Indicator 23 is equal to 4 and Indicator 19 is equal to 4 or 6. If Indicator 7 = 5, then this is used for the CDAR number.	From LOC in conflict with Ind 23 and 19	Invoice Reject	7550
To Location/ Service Name	135-146 12	X	Contains the location at which a transaction was terminated. The setting of indicator 10 may affect the detail contained in this field. On Record Type 17, this field contains the voice message name. On Record Types 18 and 32, this field contains the literal that describes the specialized service charge.	No edits.	None	N/A	N/A
Reserved	147-148 2	X	Not used.	No edits.	None	N/A	N/A
Settlement Code	149 1	X	Used for the classification of messages and revenues. Refer to the ATIS/OBF EMI document for additional information.	Valid Values: 3,5,6,8,9,G,J,K,L,N,P,Q,R Must be valid value.	Invalid settlement code	Invoice Reject	7552
Carrier Id	150-152 3	9	Unused.	No edits.	None	N/A	N/A
IC Specific	153-157 5	X	Unused.	No edits.	None	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Indicator 21	158 1	9	Equal Access Dialing Method. Refer to the OBF/EMI document for additional information.	Valid values: 0 – 7 Must be valid value.	Invalid value for Indicator 21	Invoice Reject	7555
Indicator 22	159 1	9	Recording Entity. Refer to the OBF/EMI document for additional information.	Valid values: 0 – 5 Must be valid value.	Invalid value for Indicator 22	Invoice Reject	7556
Indicator 23	160 1	9	Type of Credit Card. Refer to the OBF/EMI document for additional information.	Valid Values: 0-9 Must be numeric.	Indicator 23 is non-numeric	Invoice Reject	7557
Indicator 24	161 1	9	Specialized Services. Refer to the OBF/EMI document for additional information.	Valid values: 0 – 3 Must be valid value.	Invalid value for Indicator 24	Invoice Reject	7558
Indicator 25	162 1	9	Locally Negotiated	Valid values: 0-9 Must be numeric.	Indicators 25 thru 30 is/are non-numeric	Invoice Reject	7559
Indicator 26	163 1	9	Locally Negotiated	Valid values: 0-9 Must be numeric.	Indicators 25 thru 30 is/are non-numeric	Invoice Reject	7559
Indicator 27	164 1	9	Tax Exempt. Refer to the OBF/EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicators 25 thru 30 is/are non-numeric	Invoice Reject	7559
Indicator 28	165 1	9	Locally Negotiated. Refer to the OBF/EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicators 25 thru 30 is/are non-numeric	Invoice Reject	7559
Indicator 29	166 1	9	Other Billing Entity. Refer to the OBF/EMI document for additional information.	Valid values: 0-9 Must be numeric.	Indicators 25 thru 30 is/are non-numeric	Invoice Reject	7559

Indicator 30	167 1	9	Locally Negotiated
			Type of Billable Units
				Valid values: 0-3
				0 = Billable unit default:
				    Mobility – 'Units'
				    All others – 'Min'
				1 = Billable units measured in 'Min''
				2 = Billable unit measured in 'Msg'
				3 = Billable units measured in 'KB'
				
				1. Must be numeric.
				
				2. Must be valid value.
					1.Indicators 25 thru 30 is/are non-numeric
					
					2. Invalid value for Indicator 30
						Invoice Reject	1. 7559
							2. 7572

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Phrase Code	168-172 5	X	Contains a code used in conjunction with the Invoice Billing Phrase Text Record (43-51-04) for bill presentation. Note: OBF/EMI and Enterprise format is Reserved for Local Company use.	Valid Values: 0-9, A-Z, or all spaces Must be valid values.	Invalid Phrase Message Code	Invoice Reject	7560
Type of Credit	173 1	X	Not used.	No edits.	None	N/A	N/A
Original Category	174-175 2	X	Not used.	No edits.	None	N/A	N/A
IC Specific	176-184 9	X	Not used.	No edits.	None	N/A	N/A
Bill Line Attribute	185 1	X	Identifies Bill Line attributes for Bill Format Display	Valid values: 0, 2, or space. 0 = N/A 2 = Print amount in bold font Space = N/A Must be a valid value. Note: 0 and space are default setting for N/A.	Invalid Bill Line Attribute	Invoice Reject	7583
Call ICON	186-187 2	X	Identifies messages that require an icon (mark, symbol) on the Bill Display. A legend is present for customer explanation. Note: OBF/EMI format is IC Specific. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Call Icon (pos. 186-187) is populated by moving the new Enterprise Plan Indicator (pos. 213-214) to Call Icon. This is done before the Charge Type (pos. 213) and Classification (pos. 214) are modified.	Valid values: A-Z and space (pos. 186); A-Z, 0-9, and space (pos. 187). Invalid values: • Lower case alpha (a-z) • Special Characters • BJ, BS, CR, FB, FU, or MF • Alpha 'O' followed by space • Numeric in 1st position Must be valid values. Listed invalid values not allowed.	Invalid Call ICON	Invoice Reject	7578

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
From Number Overseas Overflow Digits	188-193 6	9	Contains the digits 11-16 of the "From Number" on messages that originate overseas when the overseas number exceeds 10 digits (as identified in the "From Number Length"). When this field is populated positions 25-27 ("Overflow Digits") of the record should be Zero.	Valid values: 0-9 If the International Expansion Indicator (pos. 200) = 1 or 3, From Number Overseas Overflow Digits must be numeric.	Non-numer. From Overseas Num (CAT 82 REC).	Invoice Reject	7616
To Number Overseas Overflow Digits	194-199 6	9	Contains the digits 11-16 of the "To Number" on messages terminating overseas when the overseas number exceeds 10 digits (as identified in the "To Number Length"). When this field is populated positions 25-27 ("Overflow Digits") of the record should be zero.	Valid values: 0-9 If the International Expansion Indicator (pos. 200) = 2 or 3, To Number Overseas Overflow Digits must be numeric.	Non-numer. To Overseas Num (CAT 82 REC).	Invoice Reject	7617
Internationl Expansion Indicator	200 1	9	Identifies the locations of the overflow digits of an International Number. The assigned values are:	Valid Values: 0, 1, 2, 3 0= No overflow digits are provided 1=The from number overflow digits are provided in 'From Number Overseas Overflow Digits' field 2= The to number overflow digits are provided in 'To Number Overseas Overflow Digits' field 3= The from and to number overflow digits are provided in the respective Overseas Overflow Digits fields Should be a valid value, but no edits.	None	N/A	N/A
Reserved	201-203 3	X	Not used.	No edits.	None	N/A	N/A
Carrier Id Expanded	204-207 4	9	Billing Entity for the pack. (AKA CIC)	Valid values: 0000-9999 Must be numeric and match the Header (20-22-05) CIC.	Invalid Carrier ID	Invoice Reject	7553

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Bill Category Type	208-209 2	9	Identifies the type of charge for bill display purposes. Note: OBF/EMI format is IC Specific. Enterprise format is Electronic Serial Number in pos. 208-211. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Bill Category Type (pos. 208-209) is populated with '07'.	Valid Values: 01,02,03,05,07,09. Must be valid value.	Invalid Bill Category Type	Invoice Reject	7566
Bill Sub-category Type	210-212 3	X	Further identifies the type of charge for bill display purposes. Commonly used to identify messages included in specific Calling Plans, messages that are discounted, messages that are non-billable, or type of messages such as Directory Assistance or Calling Card messages. Note: OBF/EMI format is IC Specific. Enterprise format is Electronic Serial Number in pos. 208-211 and Amount Indicator in pos. 212.	Valid values: 0-9, A-Z Must be alphanumeric. No blanks or special characters allowed.	Invalid Bill Sub-Category ID	Invoice Reject	7567
Charge Type	213 1	X	Identifies the type of charge, i.e., Tax, Usage, etc., for bill format purposes. Note: OBF/EMI format is IC Specific. Enterprise format is Plan Indicator in pos. 213-214. See below. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Charge Type is populated with 'Z'. This must be done after the Call Icon (pos. 186-187) update.	Valid Values: E,K,N,R,T,Z E = Surcharge K = Usage/Detail N = Other Charges & Credits) R = Monthly Service T = Tax Z = Summary/Other Must be valid value.	Invalid Charge Type	Invoice Reject	7568

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Classifica-tion (part of IC Specific)	214 1	X	Identifies the revenue classification of the charge in the record. Note: OBF/EMI format is IC Specific. Enterprise format is Plan Indicator in pos. 213-214. See below. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Classification is populated with 'Z'. This must be done after the Call Icon (pos. 186-187) update.	Valid values = 1,2,3,4,5,6,7,8,A,B,C,D,E,M,Z 1 = Regulated Interstate 2 = Regulated Intrastate 3 = Regulated International 4 = Non-Regulated Revenue 5 = Non-Regulated Liability 6 = Surcharge – print only 7 = Federal Tax - Print Only 8 = State/Local Tax - Print Only A = State B = City C = Local D = Other E = Federal M = Multiple Revenue Classification Indicator Z = Other Must be valid value.	Invalid Classification Value	Invoice Reject	7570
Sub-total Indicator (part of IC Specific)	215 1	9	Identifies if the billable message is to be included in a Sub-Total entry on the bill. Note: OBF/EMI format is IC Specific. Enterprise format is Amount Text in pos. 215-220. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The Sub-Total Indicator (pos 215) is populated with '1'.	Valid values: 1 or 2 1 = Include in sub-total 2 = Do not include in sub-total Must be valid value.	Invalid Sub-total Indicator	Invoice Reject	7569

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
IDB Call Plan Indicator	216-217 2	X	Identifies that the detail message applies to a specific OCP Plan. IDB Call Plan Indicator only used by AT&T IDB (CIC 0288). Note: OBF/EMI format is IC Specific. Enterprise format is Amount Text in pos. 215-220.	Valid values: A-Z and space (pos. 216); A-Z, 0-9, and space (pos. 217) Invalid values: • Lower case alpha (a-z) • Special Characters • BJ, BS, CR, FB, FU, or MF • Alpha O followed by a space • numeric in 1st position Must be valid values. Listed invalid values not allowed.	Invalid IDB Call Plan Indicator	Invoice Reject	7064
IC Specific	218-220 3	X	Not used. Note: Enterprise format is Amount Text in pos. 215-220.	No edits.	None.	N/A	N/A

EMI Invoice Adjustment Summary File Layout, Edits, and Error Codes – 015124

For Service Providers that send data in Enterprise Format (rather than MW format), certain fields are modified before editing takes place. The impacted fields are: Customer Code (pos. 18-20), Billing Date (pos. 32-37), and IC Return Code 1 (pos. 65-68). The specific modifications are detailed in the 'Field Description' column for the applicable field.

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Record Id	001-006 6	X	Type of record. The field consists of three sub-fields with two digits each for the category, Group, and Record Type.	Valid value: 015124.	Invalid Record ID – Invoice/Adjustment	Pack Reject	0010
Multiple Summary Indicator	007-007 1	9	Not used.	No edits.	None	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Master Billing Number	008-017 10	X	Identifies the customer account number to which a bill is rendered.	Format: NPANXXLINE Valid values: 0-9. 1. NPA must be numeric but not = zeros. LINE must be numeric. If NXX is numeric, must not be zeros. NXX may be alpha for Misc. TN's. 2. Must not be an NPA = 900 or 800 series (800,822,833,844,855,866,877,888). Must be valid MW Telco NPA for the particular state being processed. 3. Billing Number Must not be ported on the Adjustment Date of Record. SMS File lookup 4. Must be valid NXX. This is an unbillable edit not an upfront edit. 5. Only one adjustment per Billing Number for the same date and revenue allowed in pack. 6. NPA must be AT&T LEC billed. 7. Billing Number must be AT&T LEC billed on the Adjustment Date of Record. 8. The NPA/NXX must have a valid Billing RAO (pos. 56-58). 9. Billing Number account must not be marked for recoursing for certain carriers only. 10. Billing Number must have a guide for the Adjustment Date of Record. 11. Billing Number guide must not be cellular. 12. Billing Number guide must not be coin. 13. Billing Number must be AT&T retail billed. 14. Adjustment Date of Record for the Billing Number must not be dated before the guide date. 15. Adjustment Date of Record for the Billing Number must not be dated after the guide date.	1. Master Billing Number not numeric 2. Invalid NPA for Receiving EC 3. Invalid Acct-not eligible INV Billg(Adj) 4. Invalid NXX for receiving EC. 5. Duplicate adjustment within pack 6. Invalid NPA for Receiving EC post-pur 7. Invld acct-not elgbl INV Bllng post-pur 8. NPA/NXX Invalid for DPO 9. Recoursing Error – Adjustment 10. No guide for BTN 11. Cellular class of service 12. BTN match coin guide-S&P 13. Line resold or CLEC 14. No guide for BTN (Before) 15. No guide for BTN (After) Note 1: The Error 8 description may be misleading. It means the Billing RAO is not valid for the Billing Number NPA/NXX when a real RAO is used rather than a generic RAO. Note 2: Errors 4 – 15 are adjustment unbillable/unguidable errors Note 3: Error 9 is only valid for certain carriers. Note 4: EC = Exchange Company (aka LEC – Local Exchange Company) Note 5: Error 5 may only apply to certain carriers.	Adjustment Reject	1. 8202 2. 8203 3. 8206 4. 8204 5. 8240 6. 8253 7. 1055 8. 1122 9. 0909 10.0950 11.0957 12.0958 13.0959 14.1120 15.1123

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Customer Code	018-020 3	9	Customer Code for Billing number For Service Providers that send data in Enterprise format, the following modification takes place before the edits. If Customer Code (pos 18-20) is spaces, then '000' (zeros) is moved to Customer Code.	Valid values: 0-9. Must be numeric.	CUS Code not numeric	Adjustment Reject	8247
IC Account Number	021-028 8	X	Invoice Carrier Account Number Mobility calls this BAN.	Valid values: 0-9, A-Z. Must contain only 0-9 and A-Z. No spaces or special characters allowed.	Invalid IC Account Number	Adjustment Reject	8205
IC Account Number Overflow (aka IC Div. ID)	029-030 2	X	Invoice Carrier Account Number additional positions if needed.	Valid values: 0-9, A-Z and spaces. Must be valid values. No special characters allowed.	Invalid IC Account Number Overflow	Adjustment Reject	8208
IC Customer Type	031-031 1	9	Invoice Carrier Customer Type	Valid Values: 0, 1, 2 Mobility = 0 Residential = 1 Business = 2 Must = 0 or 1 or 2.	Invalid IC Customer Type	Adjustment Reject	8209
Billing Date	032-037 6	9	Telco Billing Date For Service Providers that send data in Enterprise format, the following modification takes place before the edits. The correct Telco Billing Day (pos. 36-37) is populated.	Format: YYMMDD Valid values: YY = 00-99 (Year) MM = 01-12 (Month) DD = 01, 04, 07, 10, 13, 16, 19, 22, 25, 28 (MW Telco bill dates) NOTE: All zeros are valid for text and empty invoice or adjustment packs. Should be valid date in YYMMDD format with MW Telco bill dates.	Invalid EC Billing Date (YYMMDD) Note: Invoice is processed. Warning appears on Error report. .	Adjustment Warning	8210

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
IC Extraction Date	038-043	9	Invoice Carrier Invoice Creation Date	Format: YYMMDD Valid values: YY = 00-99 (Year) MM = 01-12 (Month) DD = 01-31 (Day) Should be valid date in yymmdd format.	Invalid IC Extraction Date (YYMMDD)	Adjustment Warning	8211
Obligation ID (aka OBID)	044-051 8	9	Used by Invoice Originator (IO) for Invoice tracking purposes.	Valid values: 0-9. OBID must be numeric but not all zeros. OBID must equal Header (202205) OBID.	1. Invalid Obligation ID 2. Adjustment Obligation ID Not eq header	Adjustment Reject	1. 8212 2. 8213
Invoice Number (aka Pack Sequence Number)	052-053 2	9	Sequentially assigned control number. Sequence is unique within a Carrier ID, Send To RAO/ Billing RAO and IC Data Center for a given pack type	Valid values: 01-99. 1. Invoice Number = 01-99. After 99 start again at 01. The Invoice Number must be one greater than the previous pack of the same type for a Send To RAO/Billing RAO for a sending IC Data Center for a given CIC. Invoice number must be numeric, but not zeros. 2. Invoice Number on Marketing Summary record must equal Invoice Number on Pack Header Record.	1. Invalid Pack Sequence Number. 2. Pack Sequence Number Not eq Header value	Adjustment Reject	1. 8214 2. 8215
Company Number	054-055 2	9	Industry assigned numeric field used to uniquely identify each Midwest state Telco (previously known as AOC – Ameritech Operating Company).	Valid values: 21, 23, 25, 27, or 29. 21 = Ohio 23 = Michigan 25 = Indiana 27 = Wisconsin 29 = Illinois Note: Regional Default = 23 1. Must equal 21, 23, 25, 27, or 29. 2. Company Number on Marketing Summary record must equal Bell Company ID Number on Pack Header record.	1. Invalid AOC Company Number 2. AOC Company Number Not eq Header value	Adjustment Reject	1. 8216 2. 8217

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code

Billing RAO	056-058
	
	3
		X	RAO to which the pack is directed for billing. Obtained from the NPA/NXX/Bill Period/RAO file OR Generic internal Midwest RAO values when not using Industry standard RAO's:
			980 (BTN - Line/Date guiding)
			995 (BTN - Line/Cus Code guiding)
				Valid values:
				
				WI OH IL MI IN
				088 050 081 083 080
				089 057 086 084 320
				201 079 087 095 321
				202 082 097 096
				305 185 098 224
				328 196 227
				329 203 228
				330 204 229
				           234 294
				           465 295
				           467
				
				Generic RAO Line/Date Guiding = 980
				Generic RAO Line/Cus Code guiding = 995
				
				1. Must be matching Send To/Billing RAO combination with Header.
				
				2. 8. The Master Billing Number (8-17) must have a valid Billing RAO.
				
				NOTES:
				
				If standard RAO or 980 RAO provided, then Earliest Message Date guiding will be used.
				
				If 995 RAO is provided, then CUS Code guiding will be used.
					1. Billing RAO not EQ Header Value
					
					2. NPA/NXX Invalid for DPO
					
					Note: The Error 2 description may be misleading. It means the Billing RAO is not valid for the Billing Number NPA/NXX when a real RAO is used rather than a generic RAO.
						Adjustment Reject	1. 8220
							
							2. 1122

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code

Send To RAO	059-061
	
	3
		X	Main RAO to which a pack is directed.
			Obtained from the NPA/NXX/Bill Period/RAO file
			OR
			Generic internal Midwest RAO values when not using Industry standard RAO's:
			    980 (BTN - Line/Date guiding)
			    995 (BTN - Line/Cus Code guiding)
				Valid values:
				
				WI OH IL MI IN
				088 082 081 083 080
				             086 084
				             097 095
				             098 096
				             196
				
				Generic RAO Line/Date Guiding = 980
				Generic RAO Line/Cus Code guiding = 995
				
				Must be valid Send To/Billing RAO combination.
				
				NOTES:
				
				If standard RAO or 980 RAO provided, then Earliest Message Date guiding will be used.
				
				If 995 RAO is provided, then CUS Code guiding will be used.
				
				Marketing Summary Send To RAO must equal Pack Header Send To RAO.
					Adjustment Send To RAO not EQ Header	Adjustment Reject	8224

Carrier ID	062-064 3	9	Unexpanded Carrier ID. Not Used.	No edits.	None	N/A	N/A
IC Return Code 1	065-068 4	9	Inter-exchange Carrier Return Code. Not Used on input. If errors, Telco puts in return code on returned Marketing Summary records. For Service Providers that send data in Enterprise format, the following modification takes place before the edits. If the IC Return Code (pos. 65-68) is spaces, then it is populated with '0000' zeros.	Valid values: zeros. Must = zeros	IC Return Code not equal to zeros	Adjustment Reject	1029

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Type of Regulation Indicator	69 1	9	Identifies whether the amount in the record is for a regulated or non-regulated service or product as defined by the entity providing the service.	Valid values =1,2,3 1 = Regulated Toll 2 = Regulated Non-Toll 3 = Non-Regulated Non-Toll	Invalid Type of Regulation Indicator	Adjustment Reject	8226
Carrier ID Expanded (aks CIC)	70-73 4	9	Billing entity for the pack.	Valid values: 000-999. Must be numeric and equal to Pack Header Carrier ID Expanded.	Invalid Carrier ID.	Adjustment Reject	8225
Indicator 14	74 1	9	Indicates the Carrier Identification Code (CIC) Expanded field is populated.	Valid value: 7 Ind. 14 should = 7 (four digit CIC & no modules attached to EMI record). No edits.	None	N/A	N/A
Adjustment Text Code	75-79 5	X	Not used.	No edits.	None	N/A	N/A
Indicator 29	80 1	X	Not used.	No edits.	None	N/A	N/A
Reserved	81-84 4	X	Not used. Note: Enterprise format has Format Indicator in pos 84.	No edits.	None	N/A	N/A
Reserved for Local Company Use	85-94 10	X	Not used.	No edits.	None	N/A	N/A
************	************	******	**	**	***	*************	*********
Cellular Telephone Number – CTN (Mobility Only)	**85-94 10**	**X**	**Contains the Mobility Telephone Number (CTN).** **CTN is a Mobility only field in the Enterprise Format.**	**No edits.**	**None**	**N/A**	**N/A**

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Reserved	95-116 22	X	Not used.	No edits.	None	N/A	N/A
Settlement Code	117 1	X	Used for the classification of messages and revenues. Refer to the ATIS/OBF EMI document for additional information.	Valid Values: 8,J,K,N,P, or space 8 = Intrastate – U.S./U.S J = Interstate – U.S./U.S K =International - U.S./Canada N = International - U.S. or Canada/International Point P = International – International/International Space = Default Must be valid value. Note: Mobility uses space.	Invalid Adjustment Settlement Code	Adjustment Reject	8299
IC Reason Code	118-120 3	X	Not used.	No edit.	None	N/A	N/A
Date of Record	121-126 6	9	This is the date of the original charge to be adjusted.	Format = YYMMDD Valid values: YY = 00-99 MM = 01-12 DD = 01-31 Must equal a valid date before current date.	Invalid Date of Record	Adjustment Reject	8227
Adjustment Amount	127-135 9	S9	Right justified signed numeric field that contains the total credit/debit adjustment amount, excluding taxes, on an Invoice Billing Adjustment Summary.	Format $$$$$$$¢¢ Valid values: 0-9. Must be numeric.	Non-numeric Adjustment Amount	Adjustment Reject	8229
Federal Tax	136-142 7	S9	Right justified signed numeric field that contains the total Federal Tax amount billed on an Adjustment Summary.	Format $$$$$¢¢ Valid values: 0-9 Must be numeric.	Non-numeric Federal Tax	Adjustment Reject	8230
State/Local Tax	143-149 7	S9	Right justified signed numeric field that contains the total State and/or Local Tax amount billed on an Adjustment Summary.	Format $$$$$¢¢ Valid values: 0-9 Must be numeric.	Non-numeric State/Local Tax	Adjustment Reject	8231

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Adjustment Total	150-158 9	S9	Right justified signed numeric field that contains the total credit/debit adjustment amount, including taxes, on an Invoice Billing Adjustment Summary.	Format $$$$$$$¢¢ Valid values: 000000000-999999999 1. Must be numeric. 2. Must equal sum of the Adjustment Amount (Pos. 127-135), Federal Tax (Pos. 136-142), and State/Local Tax (Pos. 143-149) fields.	1. Non-numeric Adjustment Total 2. Adj Total not eq Adj amt Fed/local tax	Adjustment Reject	1. 8232 2. 8233
Adjustment Date	159-164 6	9	Identifies the date on which an adjustment was made on the customer's account.	Format YYMMDD Valid values: YY = 00-99 MM = 01-12 DD = 01-31 Must = a valid date, and not greater than the current system date.	Invalid Adjustment Date	Adjustment Reject	8234
Adjustment Time	165-170 6	9	Contains the time that the adjustment was made.	Format HHMMSS. Valid values: HH = 00-23 MM = 00-59 SS = 00-59 Must = a valid time.	Invalid Adjustment Time	Adjustment Reject	8235
Non-deniable Status	171 1	X	Identifies adjustment of charges for which the governing PUC has determined to be non-deniable. Note: IC Claim Line Number is the OBF/EMI field in pos 171-172.	Valid Values: 0,1,2, or space 0 = N/A 1 = Deniable Charges 2 = Non-deniable Charges Space = N/A Must = valid value.	Invalid Non-Deniable Status	Adjustment Reject	8236
Multi-Quest Indicator (aka 900 Indicator)	172	X	Identifies 900 call adjustments. Note: IC Claim Line Number is the OBF/EMI field in pos 171-172.	Valid Values: 0,1, or space 0 = Not Applicable 1 = 900 NPA Space = N/A Must = valid value.	Invalid 900 Indicator	Adjustment Reject	8237
Adjustment Status	173 1	9	Not used.	No edits.	None	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Adjustment To Number	174-183 10	9	Identifies the Terminating number for adjustment. Note: IC Claim Number is the OBF/EMI field that is in pos. 174-185.	Valid values: zeros, Valid 800 series/900 NPA, or spaces. 1. Must either be zero or a valid NPA = 800,822,833,844,855,866,877,888,900 or all spaces. 2. If Valid 800 series/900 NPA, then the 900 Indicator must = 1.	1. Invalid 900 NPA 2. To Number/900 Indicator in Conflict	Adjustment Reject	1. 8238 2. 8239
IC Claim Number	184-185	X	Not used.	No edits.	None	N/A	N/A
Treatable Indicator	186	9	Identifies if the adjustment amount is treatable and the end user can be denied access due to non-payment. Not used.	Valid values: 0 = No requirements exist 1 = Non-deniable 2 = Local Service deny 3 = Toll Service deny 4 = Both Local and Toll deny 5 = Reserved 6 = Reserved 7 = Reserved 8 = Local Company Use 9 = Local Company Use No edits.	None	N/A	N/A
LSPID (Local Service Provider ID)	187-190 4	X	If the Telco can't bill an Invoice due to non-ownership, portability, or resale of the line, the Local Service Provider ID or Reseller OCN of the owning company is placed in this field when the Invoice is returned.	No edits.	None	N/A	N/A
Reserved	191-200 10	9	Not used.	No edits.	None	N/A	N/A
IC Account Number Overflow 2	201-202 2	X	Invoice Carrier Account Number additional positions if needed when the IC Account Number (8 positions) and IC Account Number Overflow (2 positions) are filled. By using all three fields the IC Account Number can contain a maximum of 12 characters. Note: OBF/EMI format is Reserved.	Valid values: 0-9, A-Z and spaces. Must be valid values. No special characters allowed. Edit for Mobility only.	Invalid IC Account Number Overflow 2	Adjustment Reject	8207

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
IC Data Center (AKA IC/DC)	203-204 2	9	Not Used.	No edits.	None	N/A	N/A
Billing Inventory Number	205-212 8	9	Not Used.	No edits.	None	N/A	N/A
IC Return Code 2	213-216 4	9	Not Used for Return Code. A special Indicator in pos. 215 is used to bypass the Duplicate Adjustment Check in extraordinary circumstances. This indicator is only to be used at the direction of AT&T MW Telco Billing. The Duplicate Adjustment check will be bypassed when the Duplicate Adjustment Check bypass Indicator in pos. 215 = '1'.	No edits.	None	N/A	N/A
IC Return Code 3	217-220 4	9	Not used. Enterprise Format has Returning Program in pos. 217 and Julian Day of CRIS Cycle When Returned in pos. 218-220.	No edits.	None	N/A	N/A

EMI Invoice Marketing Message Text, File Layout, Edits, and Error Codes – 435102

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Record Id	001-006 6	X	Type of record. The field consists of three sub-fields with two digits each for the category, Group, and Record Type.	Valid values: 435102.	Invalid Record ID - Text	Pack Reject	0020
Date Created	007-012 6	9	This is the date the message was created.	Format = YYMMDD Valid values: YY = 00-99 MM = 01-12 Must = a valid date.	Invalid Date of Record (YYMMDD)	Pack Reject	6002
Date Data Applies	013-016 4	9	Indicates the effective date for a Marketing Message. No message will be used on an invoice prior to the Date Data Applies. If this occurs, a default message will be used.	Format = YYMM Valid values: YY = 00-99 MM = 01-12 Must = a valid date.	Invalid Date data applies (YYMM)	Pack Reject	6003
Time Created	017-020 4	9	This is the time the message was created	Format = HHMM Valid Values: HH = 00-23 MM = 00-59 Must = valid time.	Invalid Time (HHMM) This is a warning only. Pack is not rejected.	Text Warning	6004
Local IC Information	021-027 7	9	Not used. Note: Enterprise format has Message Location in pos. 21.	No edits.	None	N/A	N/A
Reserved	028-034 7	X	Not used	No edits.	None	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Message Code	035-039 5	X	Designates the unique code associated with a specific Marketing Message. This field is used to create/update the table of Marketing Messages. An Invoice record 015121 will have the same Marketing Message Code.	Valid Values: 0-9, A-Z, no spaces, no special characters. 1.a For DirecTV, must have one Default message code = '99999'. For all other carriers, must have one Default message code = 'MMMMM'. 1.b Must be valid value. 2. Must not have a duplicate Message Code/Message Text Sequence Number in the same file.	1. Invalid Message Code 2. Duplicate Mkts Text Code/Seq	Pack Reject	1. 6005 2. 6001
Message Text Sequence Number	040-041 2	9	Contains the sequence number assigned to each text line within a Marketing Message to establish the necessary order. A Marketing Message consists of multiple lines of text.	Valid values: 01-30 1. Must be valid value. 2. Message Text Sequence Number must be equal to or less than Count Of Message Lines (Position 42-43) value. Marketing Messages cannot exceed 30 lines.	1. Invalid Message Text Sequence Number 2. Msg Text Seq No >count of Msg Lines	Pack Reject	1. 6007 2. 6008
Count of Message Lines	042-043 2	9	Contains the total number of text lines associated with a specific message text and message code.	Valid values: 01-30 Must be valid value.	Invalid Count of Message Lines	Pack Reject	6009
Message Text	044-118 75	X	Contains the Marketing Message text associated with a complete Marketing Message and Message Code. Only 72 of the 75 positions are allowed for Marketing Messages.	Valid values: A-Z, 0-9 Should be left justified, blank filled. The last three positions must = spaces.	Text of Marketing Msg > 72 Characters	Pack Reject	6063
Reserved	119-148 30	X	Not used.	No edits.	None	N/A	N/A
Indicator 14	149 1	9	Record Revision. Refer to the OBF/EMI document for additional information. Not used.	Valid value: 7 7 = Record is without modules attached and the Carrier ID is four positions Should be numeric and valid value. No edits.	None	N/A	N/A
Carrier Id	150-153 4	9	Billing entity for the pack.	Valid values: 0000-9999 Must be numeric and = to Pack Header.	Invalid Carrier ID.	Pack Reject	6010

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Reserved	154-206 53	X	Not used.	No edits.	None	N/A	N/A
Message Status Indicator	207 1	X	Indicates if a message text has been changed, is being added, or remains unchanged.	Valid Values: A, C, N, 3, or space A = Add new message text C = Change to message text N = No change to message text 3 = Add new message text (Default used by DirecTV) Space = Add new message Text (Default used by Mobility) Must = valid value.	Invalid Message Status Indicator	Pack Reject	6011
Language Indicator	208 1	X	Not used.	No edits.	None	N/A	N/A
Reserved	209-212 4	X	Not used.	No edits.	None	N/A	N/A
IC Return Code 1	213-216 4	9	Not used.	No edits.	None	N/A	N/A
IC Return Code 2	217-220 4	9	Not used.	No edits.	None	N/A	N/A

EMI Invoice Phrase Text, File Layout, Edits, and Error Codes – 435104

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Record Id	001-006 6	X	Type of record. The field consists of three sub-fields with two digits each for the category, Group, and Record Type.	Valid values: 435104. Must = 435104.	Invalid Record ID - Text	Pack Reject	0020
Date Created	007-012 6	9	This is the date the message was created.	Format = YYMMDD Valid values: YY = 01-99 MM = 01-12 DD = 01-31 Must = a valid date.	Invalid Date of Record (YYMMDD)	Pack Reject	6102
Date Data Applies	013-016 4	9	Indicates the effective date for a Text Phrase Message. No message will be used on an invoice prior to the Date Data Applies. If this occurs, a default message will be used.	Format = YYMM Valid values: YY = 01-99 MM = 01-12 Must = a valid date.	Invalid Date data applies (YYMM)	Pack Reject	6103
Time Created	017-020 4	9	This is the time the message was created	Format = HHMM Valid values: HH = 00-23 MM = 00-59 Must = valid time.	Invalid Time (HHMM) This is a warning only. Pack is not rejected.	Text Warning	6104
Local IC Information	021-027	9	Not Used.	No Edits.	N/A	N/A	N/A
Reserved	028-034 7	X	Not Used	No Edits.	N/A	N/A	N/A
Phrase Message Code	035-039 5	X	Contains a code used in conjunction with the Invoice record (015127) for bill presentation. The Code that applies to the table of Phrase Message Text to be printed on the bill.	Valid Values: 0-9, A-Z, no spaces, no special characters. 1. Must be valid value. 2. Must not be duplicate Phrase Message Code in the same file.	1. Invalid Phrase Message Code 2, Duplicate Phrt text Code	Pack Reject	1. 6105 2, 6101

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Phrase Text	040-099 60	X	Details the text to be applied to the Invoice Billing Text record based on the Phrase Message Code found in positions 35-39. Only 57 of the 60 positions are allowed for phrase text. If the line is to be adjustable in the MW Telco on-line systems, the IO must leave the first five (5) positions of the 57 available positions blank for the addition of an item number.	Valid values: A-Z, 0-9 Should be left justified, blank filled. The last three positions must = spaces (except in a few cases of IGD created non-Mobility carriers).	Phrase Text msg exceeds Char Restrictions	Pack Reject	6211
Count of Variables Used	100 1	X	Not used.	No edits.	None	N/A	N/A
Font Indicator	101-102 2	9	Identifies a particular font to be used when printing the end user invoice.	Valid values: 10,20,30,31,40,60,70,80 10 = Bolded Text 20 = Bolded Underline 30 = Normal Text 31 = Normal Proportional 40 = Italics 60 = Large Bold 70 = Bold Revenue Only (balance of line will be normal text) 80 = Wide Bolded Underline Must = valid value.	Invalid Font Indicator	Pack Reject	6112
Reserved	103-148 46	X	Not used.	No edits.	None	N/A	N/A
Indicator 14	149 1	9	Record Revision. Refer to the ATIS/OBF EMI document for additional information. Not used.	Should be numeric and valid value. Valid value: 7 7 = Record is without modules attached and the Carrier ID is four positions No edits.	None	N/A	N/A
Carrier Id	150-152 3	9	Billing entity for the pack. Not used. Four position Carr ID in pos. 181-184 is used.	No edits.	None	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Variable Descriptor 1	153-156 4	9	Indicates the start position and the length of the variable descriptors in the Phrase Text. This field consists of two sub fields, each field contains two digits specifying the start position of the Variable Descriptor (PP1) and the length of the Variable Descriptor (LL1).	Valid Values: PP1 = 00 – 57 (Non-IGD) PP1 = 01 – 62) (IGD) LL1 = 01 – 10 1. PP1 must be numeric. 2. If Invoice Generated (AIG or IGD) PP1 must = 62 or less or if Non-Invoice Generated, PP1 must = 57 or less. 3. LL1 must be numeric. 4. LL1 must = 10 or less. 5. If LL1 = zeros, then PP1 must = zeros. 6. If LL1 > zeros, then PP1 must be > zeros. 7. LL1 + PP1 must = 71 or less for Invoice Generated or must = 58 or less for non-Invoice Generated.	1. Variable 1 position is non-numeric 2. Var 1 start position > max allowed 3. Variable 1 length is non-numeric 4. Variable 1 length > ten 5. Var 1 length = zero; position > zero 6. Var 1 length > zero; position = zero 7. Var 1 length + position > max allowed	Pack Reject	1. 6115 2. 6116 3. 6184 4. 6120 5. 6185 6. 6121 7. 6186
Variable Descriptor 2	157-160 4	9	Indicates the start position and the length of the variable descriptors in the Phrase Text. This field consists of two sub fields, each field contains two digits specifying the start position of the Variable Descriptor (PP2) and the length of the Variable Descriptor (LL2).	Valid Values: PP2 = 00 – 57 LL2 = 01 – 10 1. PP2 must be numeric. 2. If Invoice Generated (AIG or IGD) PP2 must = 62 or less or if Non-Invoice Generated, PP2 must = 57 or less. 3. LL2 must be numeric. 4. LL2 must = 10 or less. 5. If LL2 = zeros, then PP2 must = zeros. 6. If LL2 > zeros, then PP2 must be > zeros. 7. LL2 + PP2 must = 71 or less for Invoice Generated or must = 58 or less for non-Invoice Generated. 8. If PP2 > zero, it must be = or > sum of PP1 + LL1. 9. If PP1 + LL1 = zero, PP2 must = zero.	1. Variable 2 position is non-numeric 2. Var 2 start position > max allowed 3. Variable 2 length is non-numeric 4. Variable 2 length > ten 5. Var 2 length = zero; position > zero 6. Var 2 length > zero; position = zero 7. Var 2 length + position > max allowed 8. Variable 2 position < sum of variable 1 9. Inv var 2 position; sum of var 1 = zero	Pack Reject	1. 6125 2. 6126 3. 6188 4. 6130 5. 6189 6. 6131 7. 6190 8. 6187 9. 6127

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Variable Descriptor 3	161-164 4	9	Indicates the start position and the length of the variable descriptors in the Phrase Text. This field consists of two sub fields, each field contains two digits specifying the start position of the Variable Descriptor (PP3) and the length of the Variable Descriptor (LL3).	Valid Values: PP3 = 00 – 57 LL3 = 01 – 10 1. PP3 must be numeric. 2. If Invoice Generated (AIG or IGD) PP3 must = 62 or less or if Non-Invoice Generated, PP3 must = 57 or less. 3. LL3 must be numeric. 4. LL3 must = 10 or less. 5. If LL3 = zeros, then PP3 must = zeros. 6. If LL3 > zeros, then PP3 must be > zeros. 7. LL3 + PP3 must = 71 or less for Invoice Generated or must = 58 or less for non-Invoice Generated. 8. If PP3 > zero, it must be = or > sum of PP2 + LL2. 9. If PP2 + LL2 = zero, PP3 must = zero.	1. Variable 3 position is non-numeric 2. Var 3 start position > max allowed 3. Variable 3 length is non-numeric 4. Variable 3 length > ten 5. Var 3 length = zero; position > zero 6. Var 3 length > zero; position = zero 7. Var 3 length + position > max allowed 8. Variable 3 position < sum of variable 2 9. Inv var 3 position; sum of var 2 = zero	Pack Reject	1. 6135 2. 6136 3. 6192 4. 6140 5. 6193 6. 6141 7. 6194 8. 6191 9. 6137

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Variable Descriptor 4	165-168 4	9	Indicates the start position and the length of the variable descriptors in the Phrase Text. This field consists of two sub fields, each field contains two digits specifying the start position of the Variable Descriptor (PP4) and the length of the Variable Descriptor (LL4).	Valid Values: PP4 = 00 – 57 LL4 = 01 – 10 1. PP4 must be numeric. 2. If Invoice Generated (AIG or IGD) PP4 must = 62 or less or if Non-Invoice Generated, PP4 must = 57 or less. 3. LL4 must be numeric. 4. LL4 must = 10 or less. 5. If LL4 = zeros, then PP4 must = zeros. 6. If LL4 > zeros, then PP4 must be > zeros. 7. LL4 + PP4 must = 71 or less for Invoice Generated or must = 58 or less for non-Invoice Generated. 8. If PP4 > zero, it must be = or > sum of PP3 + LL3. 9. If PP3 + LL3 = zero, PP4 must = zero.	1. Variable 4 position is non-numeric 2. Var 4 start position > max allowed 3. Variable 4 length is non-numeric 4. Variable 4 length > ten 5. Var 4 length = zero; position > zero 6. Var 4 length > zero; position = zero 7. Var 4 length + position > max allowed 8. Variable 4 position < sum of variable 3 9. Inv var 4 position; sum of var 3 = zero	Pack Reject	1. 6145 2. 6146 3. 6196 4. 6150 5. 6197 6. 6151 7. 6198 8. 6195 9. 6147

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Variable Descriptor 5	169-172 4	9	Indicates the start position and the length of the variable descriptors in the Phrase Text. This field consists of two sub fields, each field contains two digits specifying the start position of the Variable Descriptor (PP5) and the length of the Variable Descriptor (LL5).	Valid Values: PP5 = 00 – 57 LL5 = 01 – 10 1. PP5 must be numeric. 2. If Invoice Generated (AIG or IGD) PP5 must = 62 or less or if Non-Invoice Generated, PP5 must = 57 or less. 3. LL5 must be numeric. 4. LL5 must = 10 or less. 5. If LL5 = zeros, then PP4 must = zeros. 6. If LL5 > zeros, then PP4 must be > zeros. 7. LL5 + PP5 must = 71 or less for Invoice Generated or must = 58 or less for non-Invoice Generated. 8. If PP5 > zero, it must be = or > sum of PP4 + LL4. 9. If PP4 + LL4 = zero, PP5 must = zero.	1. Variable 5 position is non-numeric 2. Var 5 start position > max allowed 3. Variable 5 length is non-numeric 4. Variable 5 length > ten 5. Var 5 length = zero; position > zero 6. Var 5 length > zero; position = zero 7. Var 5 length + position > max allowed 8. Variable 5 position < sum of variable 4 9. Inv var 5 position; sum of var 4 = zero	Pack Reject	1. 6155 2. 6156 3. 6200 4. 6160 5. 6201 6. 6161 7. 6202 8. 6199 9. 6157

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Variable Descriptor 6	173-176 4	9	Indicates the start position and the length of the variable descriptors in the Phrase Text. This field consists of two sub-fields, each field contains two digits specifying the start position of the Variable Descriptor (PP6) and the length of the Variable Descriptor (LL6). Special conversion logic before edit for Error Code '6206' for DirecTV only is as follows: If the DirecTV Variable Descriptor 6 start position = '51' and the Variable Descriptor 6 length = '10', then update the Variable Descriptor 6 length to '07' before the Error Code '6206' edit. If the DirecTV Variable Descriptor 6 start position is not = '51' and the Variable descriptor 6 length is not = '10', then no update to the Variable Descriptor 6 length occurs before the Error Code '6206' edit.	Valid Values: PP6 = 00 – 57 LL6 = 01 – 10 1. PP6 must be numeric. 2. If Invoice Generated (AIG or IGD) PP6 must = 62 or less or if Non-Invoice Generated, PP6 must = 57 or less. 3. LL6 must be numeric. 4. LL6 must = 10 or less. 5. If LL6 = zeros, then PP6 must = zeros. 6. If LL6 > zeros, then PP6 must be > zeros. 7. LL6 + PP6 must = 71 or less for Invoice Generated or must = 58 or less for non-Invoice Generated. 8. If PP6 > zero, it must be = or > sum of PP5 + LL5. 9. If PP5 + LL5 = zero, PP6 must = zero.	1. Variable 6 position is non-numeric 2. Var 6 start position > max allowed 3. Variable 6 length is non-numeric 4. Variable 6 length > ten 5. Var 6 length = zero; position > zero 6. Var 6 length > zero; position = zero 7. Var 6 length + position > max allowed 8. Variable 6 position < sum of variable 5 9. Inv var 6 position; sum of var 5 = zero	Pack Reject	1. 6165 2. 6166 3. 6204 4. 6170 5. 6205 6. 6171 7. 6206 8. 6203 9. 6167

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Variable Descriptor 7	177-180 4	9	Indicates the start position and the length of the variable descriptors in the Phrase Text. This field consists of two sub fields, each field contains two digits specifying the start position of the Variable Descriptor (PP7) and the length of the Variable Descriptor (LL7).	Valid Values: PP7 = 00 – 57 LL7 = 01 – 10 1. PP7 must be numeric. 2. If Invoice Generated (AIG or IGD) PP7 must = 62 or less or if Non-Invoice Generated, PP7 must = 57 or less. 3. LL7 must be numeric. 4. LL7 must = 10 or less. 5. If LL7 = zeros, then PP7 must = zeros. 6. If LL7 > zeros, then PP7 must be > zeros. 7. LL7 + PP7 must = 71 or less for Invoice Generated or must = 58 or less for non-Invoice Generated. 8. If PP7 > zero, it must be = or > sum of PP6 + LL6. 9. If PP6 + LL6 = zero, PP7 must = zero.	1. Variable 7 position is non-numeric 2. Var 7 start position > max allowed 3. Variable 7 length is non-numeric 4. Variable 7 length > ten 5. Var 7 length = zero; position > zero 6. Var 7 length > zero; position = zero 7. Var 7 length + position > max allowed 8. Variable 7 position < sum of variable 6 9. Inv var 7 position; sum of var 6 = zero	Pack Reject	1. 6175 2. 6176 3. 6208 4. 6180 5. 6209 6. 6181 7. 6210 8. 6207 9. 6177
Carrier ID Expanded	181-184 4	9	Billing entity for the pack.	Valid values: 0000-9999 Must be numeric and = to Pack Header	Invalid Carrier Code	Pack Reject	6110
Reserved	185-206 53	X	Not used.	No edits.	None	N/A	N/A
Message Status Indicator	207 1	X	Indicates if a message text has been changed, is being added, or remains unchanged.	Valid Values: A, C, N, 3, or space A = Add new message text C = Change to message text N = No change to message text 3= Add new message text (Default used by DirecTV) Space = Add new message text (Default used by Mobility) Must = valid value.	Invalid Message Status Indicator	Pack Reject	6183
Language Indicator	208 1	X	Not used.	No edits.	None	N/A	N/A

Field Name	Position Length	Data Type	Field Description	Valid Values/Edits	Error Description	Error Action	Error Code
Reserved	209-212 4	X	Not used.	No edits.	None	N/A	N/A
IC Return Code 1	213-216 4	9	Not used.	No edits.	None	N/A	N/A
IC Return Code 2	217-220 4	9	Not used.	No edits.	None	N/A	N/A