

**Alliance for Telecommunications  
Industry Solutions**

**ATIS Standard**

**ATIS-0406000-2200**

**EXCHANGE MESSAGE INTERFACE (EMI)**


**Industry Support Interface**

**Issue 22**

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January, 2005

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*Exchange Message Interface (EMI)*

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**RECORD DESCRIPTION**

<u>11</u>	<u>01</u>	<u>01</u>
Category	Group	Record Type
<b>Category:</b> 11	CARRIER ACCESS USAGE	
<b>Group:</b> 01	NORTH AMERICAN ORIGINATED AND TERMINATED	
<b>Record Type:</b> 01	MESSAGE TELEPHONE SERVICE	

**Use of Record:**

This record is used to report Access Minutes of use for Message Telephone Service.  
This record may also be used for interconnection (e.g. unbundled, local, wireless, etc.) services.

**Headers/Trailers**

	<u>CMDS</u>	<u>Local</u>
20-20-09/10	Y	Y
20-21-09/10	N	Y
20-22-31/32	N	Y
20-24-09/10	N	Y

**Special Considerations:**

When Indicator 4 = 7 and Originating/Terminating ID = 1, the ULEC's OCN should be populated in the Originating OCN field (positions 167-170).

When Indicator 4 = 7 and Originating/Terminating ID = 2, the ULEC's OCN should be populated in the Terminating OCN field (positions 182-185).

For originating calls, the Originating OCN field in positions 167-170 should be populated with the OCN of the company that originated the call when the From Number, positions 15-24, is ported and the Originating LRN, positions 157-166 is populated.

For terminating LEC carried calls, the Originating OCN field in positions 167-170 should be populated with the OCN of the company that originated the call. Carrier Identification Code may or may not be populated.

For terminating IC-Carried calls, the Originating OCN should not be populated even when Originating LRN is populated.

To identify Cellular/Wireless originating and terminating traffic, the Type of Access Service (position 78-79) and Indicator 9 or 10 (position 90 & 91) should be populated.

The matrix below lists what fields are shaded on the 11-01-01 based on Feature Group. A value of "X" in a given column means that the field is shaded for that Feature Group.

Field Name	Position	FGA	FGB	FGC	FGD
Overflow Digits	25-27	X	X	X	X
BSA/FGD Trunk Group No.	41-44	X	X	X	
Carrier Identification Code	46-49	X			
Carrier Access Method	50	X		X	
Routing Method	51	X			
Dialing Method	52	X	X	X	X
ANI	53	X		X	
NCTA	54	X	X	X	X
Customer Bill Format	75	X	X	X	X
Conference Leg Number	76-77	X	X	X	X
Method of Signaling	81	X		X	
NPA-BSA/FGA Access No.	123-125		X	X	X
NXX-BSA/FGA Access No.	126-128		X	X	X
Line No./BSA FGA Access No.	129-132		X	X	X
NECA Company Code	138-141	X			
BSA/FGD Call Event Status	142-143	X	X	X	
Settlement Code	149	X	X		
Min-Conversation Time	150-153	X	X	X	
Sec-Conversation Time	154-155	X	X	X	
1/10-Conversation Time	156	X	X	X	

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CARRIER ACCESS USAGE  
NORTH AMERICAN ORIGINATED AND TERMINATED  
MESSAGE TELEPHONE SERVICE

11 Category			01 Group			01 Record Type					
Field Description			Field Description			Field Description					
Pos.		Char.	Pos.		Char.	Pos.		Char.			
1	Category		68	Method Of Recording	9	135	Reserved for Local Company Use (continued)	9			
2	Record Identification	X	69	Return Code	X	136	Reserved	9			
3			Group						137		
4			Record Type						138		
5	Date Of Record	9	72	From RAO	X	139	NECA Company Code	X			
6			Year						140		
7			Month						141		
8	From Number	9	75	Local Company Information	9	142	BSA / Feature Group D Call Event Status	9			
9			Day						143		
10			Record Type						144		
11	To Number	9	76	Cust. Bill Format Conference Leg Number	9	145	Reserved	9			
12			Year						146		
13			Month						147		
14	Indicators	9	77	Type of Access Service	9	148	BSA / Feature Group ID Code	X			
15			Day						149		
16			Record Type						150		
17	From Number	9	78	Reserved	9	151	Library Code	X			
18			Year						152		
19			Month						153		
20	To Number	9	79	Method Of Signaling	9	154	Settlement Code	X			
21			Day						155		
22			Record Type						156		
23	From Number	9	82	Operator Unit	9	157	Conversation Time	9			
24			Year						158		
25			Month						159		
26	To Number	9	83	Recording Point Identification (AMA)	9	160	Originating LRN	9			
27			Day						161		
28			Record Type						162		
29	Indicators	9	84	Serial Number	9	163	Originating OCN	X			
30			Year						164		
31			Month						165		
32	From Number	9	85	CABS Billing RAO	X	166	Originating LRN Source Indicator	9			
33			Year						167		
34			Month						168		
35	To Number	9	86	Indicators	9	169	Terminating LRN	9			
36			Day						170		
37			Record Type						171		
38	From Number	9	87	NPA	9	172	Terminating OCN	X			
39			Year						173		
40			Month						174		
41	To Number	9	88	NXX	9	175	Terminating LRN Source Indicator	9			
42			Day						176		
43			Record Type						177		
44	From Number	9	89	Line Number	9	178	Send To OCN	X			
45			Year						179		
46			Month						180		
47	To Number	9	90	BSA / Feature Group A Access Number	9	181	Reserved	9			
48			Day						182		
49			Record Type						183		
50	From Number	9	91	Reserved for Local Company Use	9	184					
51			Year						185		
52			Month						186		
53	To Number	9	92			187					
54			Day						188		
55			Record Type						189		
56	From Number	9	93			190					
57			Year						191		
58			Month						206		
59	To Number	9	94			207					
60			Day						208		
61			Record Type						209		
62	From Number	9	95			210					
63			Year								
64			Month								
65	To Number	9	96								
66			Day								
67			Record Type								

Field Characteristic  
 9 = Numeric  
 X = Alphanumeric  
 S 9 = Signed Numeric  
 ↓ = Confined on Next Column  
 ↑ = Confined on Next Column

### **Indicator 28 - Locally Negotiated**

Negotiated between the billing and sending companies.

### **Indicator 29 - Other Billing Entity**

<u>Value</u>	<u>Indicates</u>	<u>Definition</u>
1	Alternate Carrier Billing Identification	Indicates the Billing Entity appearing in the Carrier Identification field (non-access record) or Carrier Identification Code field (Category 11 access record) does not subscribe to Feature Group B or D, does not have a carrier identification code assigned and is an ABEC.
2	Radio Common Carrier (RCC)	Indicates that the message is being billed by a LEC on behalf of an RCC. The Billing Entity appearing in the message is the LEC Carrier Code 000 or 0000.  The IC/DC field in the Header and Trailer record will contain a value of "90."
3	Enhanced Service Provider	Indicates the message was completed using an enhanced service provider.
4	Information Provider	Indicates the message terminated to an Information Provider (IP). There is a Special Billing Agreement between the IP and the Exchange Carrier using a locally assigned IP Billing Entity Code.
5	Wireless	Indicates the message was completed or summarized for a Wireless Carrier.
6	Unbundled Local Exchange Carrier	Indicates the message was originated by a ULEC and a non-default billing arrangement is in effect and applies to Category 11 Access Records. Intercarrier compensation credit is due to the UNE Services Provider (USP) identified by the NECA Company Code field. Intercarrier compensation is billable to the ULEC identified by the Originating OCN field.
9	Local Use	Indicates the value in the Carrier Identification field (non-access record) or Carrier Identification Code field (Category 11 access record) has been locally negotiated by the billing and sending company.

### **Indicator 30 - Locally Negotiated**

Negotiated between the billing and sending companies.