

**Case No. 12-M-0476 et al.**  
**EDI Business/Technical Working Groups**  
**NFG ECB Prohibition Order Requirements**  
**4/13/2018**

Excerpts from CASES 12-M-0476, et al. PROCEDURAL ORDER REVISING IMPLEMENTATION DATES (“Procedural Order”), issued and effective November 22, 2017.

Selected ESCO Consolidated Billing Model (“ECB”) Ordering Clauses (Procedural Order, pages 2-4)

*3. Energy service companies that participate in the ESCO Consolidated Billing Model in National Fuel Distribution Corporation’s service territory are directed to, by December 6, 2017, communicate to National Fuel Distribution Corporation which accounts the ESCO, on behalf of the customer, is receiving a HEAP payment.*

*7. Energy service companies that participate in the ESCO Consolidated Billing Model in National Fuel Distribution Corporation’s service territory are directed to, on a rolling basis, communicate to National Fuel Distribution Corporation which accounts the ESCO is receiving a HEAP payment on the customer’s behalf.*

NFG has a similar issue with implementation of CASE 14-M-0565 - Proceeding on Motion of the Commission to Examine Programs to Address Energy Affordability for Low Income Utility Customers, ORDER APPROVING IMPLEMENTATION PLANS WITH MODIFICATIONS, Issued and Effective February 17, 2017. It needs to know both which ECB ESCO customers receive HEAP payments and the amounts of those payments. In terms of 12-M-0476 et al. this information would qualify the customers as APP customers.

For both 12-M-0476 et al. and 14-M-0565, NFG also needs to know when ECB ESCOs determine that customers are no longer APP customers. In both cases, even though most ECB ESCOs do not have waivers to serve ineligible customers and therefore would eventually be de-enrolling the customer, the date of de-enrollment is dependent upon the expiration date of the ESCO contract with the APP customer. In the interim, NFG would calculate discounted delivery charges for the APP customers which would presumably be reflected on the ECB ESCO’s bill to the APP customer.

**DESIGN CONSIDERATIONS:**

NFG believes this information should be communicated from the ESCOs through EDI. There are two basic approaches: 1) Creation of a new “incoming” 810SR transaction based upon a comparable transaction from the TX market and 2) Addition of a change reason code and AMT segment to the 814C.

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New 814C Segment: REF~5E – Optional Utility to ESCO

**Segment:** **REF** Reference Identification (APP Status)  
**Position:** 030  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
2 If either C04003 or C04004 is present, then the other is required.  
3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Notes:** Utility Request: If supported by a utility as specified in its Utility Maintained EDI Guide, used to notify the ESCO of a change in that the customer's is no longer eligible for APP benefits.  
ESCO Response: Not Used  
ESCO Request: Not Used  
Utility Response: Not Used  
REF~5E~N

**Data Element Summary**

	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			Identifies a public or private group that aggregates customers and contracts load on their behalf.	
			5E Consumer Identifier	
			APP Status	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Aggregator Code in format specified by utility in their Utility Maintained EDI GuideThe following codes are to be used:-	
			N No, the customer is not currently eligible for APP benefits.	
			Y Yes, the customer is currently eligible for APP benefits.	

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Change to 814C Segment: REF~TD – ESCO to Utility ECB Requirement – Optional Utility to ESCO

**Segment:** REF Reference Identification (Reason for Change - Account Level)  
**Position:** 030  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** >1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
2 If either C04003 or C04004 is present, then the other is required.  
3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Notes:** Request: Conditional  
Response: Optional

This segment is used to identify the data segment(s) sent at the account level that are being changed. See [REF\\*TD Segment \(Reason for Change – Meter Level\) page 48](#) of this Implementation Guide for a description of the codes used to identify a change in the data segment(s) sent at the meter level.  
REF~TD~N18R

**Data Element Summary**

Mand.	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			TD Reason for Change	
	REF02	127	Reference Identification	X AN 1/30
			AMT7 Change ESCO Pricing Adjustment Credit	
			Used to report a credit to the customer's account when the ESCO has charged a customer that receives service subject to a price guarantee more than what the customer would have paid the utility and the ESCO is required to provide a credit to the customer. The Utility will include this one-time credit on the customer's next bill.	
			AMT9M Change Customers' Tax Rate 1	
			Utility Rate Ready Consolidated Billing Only. Used to report a change in the customer's tax rate when the utility is calculating ESCO charges. The 9M code may also be used to report a change in the residential tax rate applicable to a portion of the service (i.e. a REF*RP was present in the Enrollment transaction) when URR billing is in effect. The AMT9N code may be used to report a change in the portion of the account taxed at a commercial rate.	
			AMT9N Change Customers' Tax Rate 2	
			Utility Rate Ready Consolidated Billing Only. This code may only be used to report a change in the customer's tax rate applicable to the portion of the service taxed at a commercial rate in instances	

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	when part of the service is taxed at a residential rate and the balance at a commercial rate (i.e. REF*RP was present in the Enrollment transaction). The AMT9M code may be used to report a change in the residential tax rate on that account.
<u>AMTB1</u>	<u>Change Benefit Amount</u> <u>Used to report receipt of a HEAP Payment under ESCO Combined Billing using Single Retailer transactions.</u>
AMTB5	Change ESCO Budget Plan Installment Amount Supported only if indicated within a utility's Utility Maintained EDI Guide.
AMTBD	Change ESCO Budget Plan Balance Supported only if indicated within a utility's Utility Maintained EDI Guide.
<u>AMTBK</u>	<u>Change Disbursements for Protection and Preservation</u> <u>Used to report receipt of an Emergency HEAP Payment under ESCO Combined Billing using Single Retailer transactions.</u>
AMTDP	Change Percentage of Service Tax Exempt
AMTFW	Change ESCO Fixed Charge
AMTKZ	Change ICAP ELECTRIC Service Only.
AMTRJ	Change ESCO Commodity Price
DTM007	Change Effective Date
DTM150	Change Service Period Start Date Enrollment is pending. This code is used by the Utility to report a change in the Assigned Service Start Date.
DTM151	Change Service Period End Date A Drop is pending. This code is used by the Utility to report a change in the Assigned Service End Date.
N18R	Change Contact Information or Service Address Use this code when the Customer contact information, e.g. name, phone, fax or email, on the account is being changed and/or a change of service address is being reported.
N1BT	Change Contact Information for Mailing or Mailing Address Use this code when the Customer contact information, e.g. name, phone, fax or email, for mailing and/or the mailing address is being changed.
REF11	Change ESCO Customer Account Number
REF12	Change Utility Account Number
<u>REF5E</u>	<u>Change Consumer Identifier (APP Status)</u>
REF65	Change Meter Read Cycle
REFBF	Change Bill Cycle
REFBLT	Change Billing Type (Bill Presenter)
REFGC	Change Gas Capacity Assignment/Obligation

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	GAS Service Only
REFIJ	Change Industrial Classification Code
REFLF	Change ESCO Late Fee Policy
	Supported only if indicated within a utility's Utility Maintained EDI Guide.
REFNR	Change Current Budget Billing Status
REFPC	Change Party that Calculates the Bill (Bill Calculator)
REFPGC	Change Partial Participation Portion
REFRP	Change Portion Taxed Residential
REFSG	Change Utility Discount Indicator
REFSPL	Change ISO LBMP Zone
	ELECTRIC Service Only
REFSU	Change Special Processing Code
	Use this code to report a change in the Customer's Life Support status (Single Retailer Model)
REFTDT	Change Account Settlement Indicator
REFTX	Change Utility Tax Exempt Status
REFVI	Change Gas Pool ID
	GAS Service Only
REFYP	Change NYPA Discount Indicator

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New 814C Segment: AMT~B1 – ESCO to Utility ECB Requirement

**Segment:** **AMT** Monetary Amount (**Basic** HEAP Payment Amount Received)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

ESCO Request: Conditional  
Utility Request: Not Used  
Responses: Not Used

This segment must be sent by the ESCO *billing customers under ESCO Combined Billing* when the ESCO receives a **Basic (Initial)** HEAP Payment.

AMT~B1~121.5

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	AMT01	522	Amount Qualifier Code B1 Benefit Amount <b>Basic (Initial)</b> HEAP Payment	M ID 1/3
Mand.	AMT02	782	Monetary Amount	M R 1/18

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New 814C Segment: AMT~BK – ESCO to Utility ECB Requirement

**Segment:** **AMT** Monetary Amount (Emergency HEAP Payment Amount Received)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:** ESCO Request: Conditional  
Utility Request: Not Used  
Responses: Not Used  
  
This segment must be sent by the ESCO *billing customers under ESCO Combined Billing* when the ESCO receives an Emergency (Supplemental) HEAP Payment.  
  
AMT~BK~121.5

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	AMT01	522	Amount Qualifier Code	M ID 1/3
			BK	Disbursements for Protection and Preservation
				Emergency (Supplemental) HEAP Payment
Mand.	AMT02	782	Monetary Amount	M R 1/18

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Change to 814C Segment: DTM~007 – ESCO to Utility ECB Requirement

<b>Segment:</b>	<b>DTM</b> Date/Time Reference (Effective Date of Change)
<b>Position:</b>	040
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify pertinent dates and times
<b>Syntax Notes:</b>	<b>1</b> At least one of DTM02 DTM03 or DTM05 is required. <b>2</b> If DTM04 is present, then DTM03 is required. <b>3</b> If either DTM05 or DTM06 is present, then the other is required.
<b>Semantic Notes:</b>	
<b>Notes:</b>	Utility Request: Conditional ESCO Response: Not Used  ESCO Request: Conditional Utility Response: Conditional  This segment is required on all Utility initiated Requests (except for changes to ICAP Tags, Assigned Service Start or Assigned Service End Date). This segment is also required on the Utility Response to an ESCO Request for a change in customer billing option. This segment is required on ESCO initiated Requests reporting a change in the customer's mailing address <u>or HEAP payment</u> when <del>the</del> Single Retailer <u>transactions are used to support ESCO Consolidated Billing is in effect</u> .  This segment may also be sent on ESCO initiated Requests to report a change in ESCO Commodity Price, Fixed Charge or Rate Code when the Utility is the Bill Presenter and Bill Calculator (Rate Ready Consolidated Billing) AND the Utility has agreed to process price or rate changes on a date other than the regularly scheduled bill cycle date.  When a DTM~007 segment is not sent and the date has not been provided in another DTM segment (DTM~105, DTM~AB2...), it can be presumed that the transaction date is the effective date of the change. In any case, the utility should clarify its use of this segment in its Utility Maintained EDI Guide.  DTM~007~20060917

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Mand.	DTM01	374	Date/Time Qualifier	M ID 3/3
			007	Effective
				The date that the requested change is, or will become, effective.
Must Use	DTM02	373	Date	X DT 8/8
			Date expressed in CCYYMMDD format.	



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Change to 810SR Segment: SAC

<b>Segment:</b>	<b>SAC</b> Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)
<b>Position:</b>	230
<b>Loop:</b>	SLN Optional (Dependent)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of SAC02 or SAC03 is required.</li> <li>2 If either SAC03 or SAC04 is present, then the other is required.</li> <li>3 If either SAC06 or SAC07 is present, then the other is required.</li> <li>4 If either SAC09 or SAC10 is present, then the other is required.</li> <li>5 If SAC11 is present, then SAC10 is required.</li> <li>6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.</li> <li>7 If SAC14 is present, then SAC13 is required.</li> <li>8 If SAC16 is present, then SAC15 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.</li> <li>2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.</li> <li>3 SAC08 is the allowance or charge rate per unit.</li> <li>4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.</li> <li>5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.</li> <li>6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.</li> <li>7 SAC16 is used to identify the language being used in SAC15.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.</li> <li>2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.</li> </ol>
<b>Notes:</b>	<p>Conditional</p> <p>This segment is required when transmitting charge data other than tax information. The SAC segment is used to describe a specific charge/allowance item. In the Single Retailer Model, SAC04 will be used to generally categorize charges, credits, etc. and the SAC15, will be used to more a more detailed description of the actual charge, credit, etc.</p> <p>SAC~C~~EU~BAS001~601~~~.2733~DA~22~~~~~Basic Service: 22 days@ \$.2733  SAC~C~~EU~BAS001~1851~~~.19084~TD~97~~~~~NEXT 97 THERMS (Prorated Example)</p>

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	SAC01	248	Allowance or Charge Indicator	M ID 1/1
			C Charge	

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			N	No Allowance or Charge		
				The amount sent in the SAC05 element is ignored when summing the invoice total in the TDS01 element.		
<b>Must Use</b>	<b>SAC03</b>	<b>559</b>	<b>Agency Qualifier Code</b>		<b>X</b>	<b>ID 2/2</b>
			EU	Electric Utilities		
				Used for electric and combination utilities.		
			GU	Natural Gas Utilities		
				Used for gas utilities.		
<b>Must Use</b>	<b>SAC04</b>	<b>1301</b>	<b>Agency Service, Promotion, Allowance, or Charge Code</b>		<b>X</b>	<b>AN 1/10</b>
			ADJ002	Adjustment		
			BAS001	Customer Charge		
			BAS002	Special Billing Charge		
			CRE001	Credit		
			<u>CRE007</u>	<u>SLIP Payment Amount</u>		
				<u>Utility credit provided to SLIP customer.</u>		
			DIS002	Gas Delivery Charge		
			DIS005	Total Invoiced Distribution Charge		
				The total EURC charges		
			DMD001	Demand Charge (Electric)		
			DMD002	Contract Demand Charge		
			DMD024	Summer Demand		
			DMD025	Winter Demand		
			DMD028	Demand Charge (Gas)		
				This is a charge for gas being held in reserve for the end use customer (a.k.a. Stand-by Charge) This charge is assessed regardless of actual usage.		
			DMD029	Shoulder Demand		
			DMD030	Stand-by Sales		
				Total charges for the volume of gas actually purchased by the marketer for customers on a stand-by rate. This relates to DMD028.		
			DMD031	Daily Demand Charge		
				Daily as used demand for customers with interval metering shall be the daily maximum metered demand during on peak hours.		
			DSC001	Discount		
			ENC001	Energy Charge		
			ENC002	Energy Tier Charge		
			ENC003	Off Peak Energy Charge		
			ENC039	On Peak Energy Charge		
			ENC042	Shoulder Energy Charge		
			FAC001	Equipment and Service Charge		
			FFR001	Non-metered service (other than lights)		
			IBC020	City Gate Imbalance		
				GAS ONLY: Total city gate imbalance charges based on the volume of gas purchased to correct an imbalance situation.		
			LPC001	Late Payment Charge		
				EURC Cycle Invoice:	Not Used	
				EURC Calendar Month Estimate:	Not Used	
				ESCO Summary Invoice:	Optional	
			MAD001	Minimum Bill		
			MAD004	Minimum Demand Charge		
			MSC001	Miscellaneous Charge		

Segment continues unchanged...

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New 814E Segment: REF~5E – Utility to ECB ESCO Requirement – Optional Utility to ESCO

**Segment:** **REF** Reference Identification (APP Status)  
**Position:** 030  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
1 At least one of REF02 or REF03 is required.  
2 If either C04003 or C04004 is present, then the other is required.  
3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
1 REF04 contains data relating to the value cited in REF02.  
**Notes:**  
Request: Not Used  
Enrollment Accept Response: Conditional  
  
Informs ESCO whether the utility's business systems identifies the customer as currently eligible for APP benefits. Required for customers billed under ESCO Combined Billing using Single Retailer Model (ESCO Combined Billing) transactions.  
  
REF~5E~Y

**Data Element Summary**

	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			Identifies <del>a public or private group that aggregates customer's _and contracts load on their behalf</del> <u>APP Status</u> .	
		5E	Consumer Identifier	
			APP Status	
Must Use	REF02	127	Reference Identification	X AN 1/30
			<del>Aggregator Code in format specified by utility in their Utility Maintained EDI Guide.</del>	
		N	No, the customer is not currently eligible for APP benefits.	
		Y	Yes, the customer is currently eligible for APP benefits.	

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Description	Actual Information to be Exchanged	Direction	Information Exchange	Example	Implementation Guide Changes
APP Status	Y = Yes Customer qualifies for APP Credit N = No Customer does not qualify for APP Credit	Utility to ESCO	<b>814 Enrollment Response (Utility to ESCO)</b> - "Y" sent when customer qualifies for the APP Credit - "N" sent when customer does not qualify for the APP Credit  <b>814 Change Request (Utility to ESCO)</b> - "N" Sent when customer no longer qualifies for the APP Credit	<b>814 Enrollment Response</b> , include: <b>REF*5E*Y</b>  <b>814 Change Request</b> ST*814*0001 BGN*13*3209304212*20171211 N1*8S*UTILITY*1*111111111 N1*SJ*ESCO*1*222222222 LIN*3209301234*SH*EL*SH*CE ASI*7*001 <b>REF*TD*REF5E</b> REF*12*441031065500000 REF*11*TESNY0100401234 <b>REF*5E*Y</b> <b>DTM*007*20171211</b> SE*12*0001	Add REF*5E to 814 Enrollment Add REF*5E to 814 Change  Add Reason for Change Code (REF*TD) REF5E
HEAP Info	HEAP ( <del>Basic</del> Assistance) Payment amount, the effective (payment) date <del>and an indicator as to whether the HEAP payment was basic or emergency</del>	ESCO to Utility	814 Change Request (ESCO to Utility) including: AMT*B1*102.15 DTM*007*20180214 REF*TD*AMTB1 <del>REF*5E*Y*E</del>  <del>Where REF03 indicates E (Emergency) or B (Basic)</del> DTM*007 Effective Date is the date the payment is received.	<b>814 Change Request</b> ST*814*0001 BGN*13*3209304212*20180115 N1*8S*UTILITY*1*111111111 N1*SJ*ESCO*1*222222222 LIN*3209301234*SH*EL*SH*CE ASI*7*001 REF*12*441031065500000 REF*11*TESNY0100401234 <b>REF*TD*AMTB1</b> <del>REF*5E*Y*E</del> <b>DTM*007*20180114</b> <b>AMT*B1*102.15</b> SE* <del>4312</del> *0001	Add AMT*B1 to 814 Change as only used from ESCO to Utility.  Add Reason for Change Code (REF*TD) AMTB1  Clarify DTM*007 Effective Date
SLIP Credit	Specific Amount for the SLIP Credit	Utility to ESCO	810 SR SAC Segment where SAC04 = CRE007 and the SAC05 is negative. Note that CRE007 stands for "Federal , State or Local Energy assistance program"	SAC~C~~EU~CRE007~10215~~~~~SLIP CREDIT FOR DISTRIBUTION CHARGES	Add CRE007 to SAC04