

**BILLING BUSINESS PROCESSES – SINGLE RETAILER MODEL**

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*This document describes the detailed business processes associated with transmitting 810 Invoice transactions to the ESCO/~~Marketer~~ when the Single Retailer Model is being used. Under this model, the Utility will invoice the ESCO/~~Marketer~~ for (1) delivery and other charges applicable to their customers and (2) amounts due from the ~~E/MESCO~~ that are unrelated to a specific end use retail customer account such as fees associated with balancing or storage, etc. The ~~E/MESCO~~ will then bill their customers using the data provided by the Utility in 810 Invoice transactions and based on the terms that were agreed upon with their customers. For the Single Retailer Model, the ESCO/~~Marketer~~ is responsible for all retail services to their customers including billing and payment processing. In developing these business processes, the following documents were reviewed:*

- June 30, 1999 Report of the New York EDI Collaborative.
- NY EDI TS814 Enrollment Request & Response Business Process issued July 20, 2001
- NY EDI TS867 Monthly Usage Business Process issued July 20, 2001
- NY EDI TS814 Change (Account Maintenance) Business Process issued November 7, 2001
- Order approving EDI Test Plans and Data Standards, issued and effective November 7, 2001 in Case 98-M-0667.
- Order Modifying Electronic Data Interchange (EDI) Standards and Uniform Business Practices, issued and effective May 19, 2006 in Case 98-M-0667 – In the Matter of Electronic Data Interchange and Case 98-M-1343 – In the Matter of Retail Access Business Practices
- Remittance Advice Business Processes – Utility Consolidated Billing, version 2.0 (issued May 19, 2006)
- NY TS867 Monthly Usage Implementation Guide, version 2.2 (issued July 19, 2006)
- Order Taking Actions to Improve the Residential and Small Nonresidential Retail Access Markets, issued and effective February 25, 2014 in Case 12-M-0476 et.al.

**NOTES:**

- Any item displayed under a Process component (i.e. rules, etc.) is also applicable for its sub-processes, unless otherwise noted.
- The source of various Process Rules listed in this document is indicated by the following annotations which precede each rule:
  - UBP = NY Uniform Business Practices
  - CR = Report of the NY EDI Collaborative

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- CWG = Collaborative Work Group or Case 12-M-0476 EDI Working Groups
- [CWG][UBP (insert Section and paragraph cite)] = Collaborative Work Group clarification, interpretation or comment intended to accommodate Electronic Data Interchange.
- The following abbreviations refer to specific sections of the Uniform Business Practices:
  - DEF                      Section 1 Definitions
  - ELIG                    Section 2 Eligibility Requirements
  - CRED                   Section 3 Creditworthiness
  - CI                        Section 4 Customer Information
  - CSP                     Section 5 Changes in Service Providers
  - CINQ                    Section 6 Customer Inquiries
  - UI                        Section 7 Utility Invoices
  - DISP                    Section 8 Disputes Involving Distribution Utilities, ESCOs or Direct Customers
  - B&PP                    Section 9 Billing and Payment Processing
- Utilities and ~~ESCO/Marketers~~ ESCOs are expected to demonstrate the technical capability to exchange information electronically for the billing and payment processing options offered by each party and meet the operational time frames that support the billing options used.
- Where the Single Retailer Billing Model is in place, an 810 Invoice transaction will be used by the Utility to transmit billing information to the ~~ESCO/Marketer~~. The billing information in a specific 810 Invoice may pertain to an end use retail customer [EURC], an ~~ESCO/Marketer~~ or both.
- In this model, Invoice transactions may be either an Original 810 Invoice or a Cancel 810 Invoice. An Original EURC Cycle or EURC Calendar Month Estimate Invoice will contain new charges and adjustments for an end use retail customer. An Original ~~ESCO Summary Invoice~~ will contain charges and adjustments due and payable by the ~~ESCO/Marketer~~. An 810 Cancel Invoice will be used to communicate the cancellation of charges previously sent in either an Original EURC Cycle Invoice or an Original EURC Calendar Month Estimate Invoice. When charges transmitted in an Original ~~ESCO Summary Invoice~~ are canceled an 810 Cancel Invoice will not be sent. A subsequent Original 810 ~~ESCO Summary Invoice~~ will contain item by item adjustments to reverse the charges that are being canceled.

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- Customer usage, billing, and credit data is to be considered confidential and may not be shared with anyone without the express authorization of the customer, unless disclosure is required by appropriate legal or regulatory authority or is authorized in accordance with the Uniform Business Practices to facilitate the customer's retail access or billing and payment choice. The same level of accountability for data confidentiality will apply to any third party data service providers engaged by an ESCO/~~Marketer~~ or Utility. Parties utilizing third party data service providers must ensure that such providers adhere to this confidentiality policy, for example, by incorporating express terms regarding data confidentiality in a Billing Service Agreement and/or Trading Partner Agreement. Delivery service billing data for customers with negotiated delivery contracts may not be disclosed without the utility's consent, except as otherwise required by appropriate regulatory and other legal authorities.
- The processes described in this document assume that an Original 810 EURC Cycle or Calendar Month Estimate Invoice and the corresponding 867MU transaction for an end use customer will be sent on the same date.
- The Utility Customer Account Number (with check digit, if included) must be used to validate the 810 EURC Cycle or Calendar Month Estimate Invoices. Since the 810 ESCO Summary Invoice does not pertain to an individual end use customer account, the Utility Account Number for ESCO/~~Marketer~~ must be used to validate ESCO Summary Invoice transactions.
- In the Single Retailer Model, the ~~E/MESCO~~ is the only entity issuing bills to the end use retail customer. Accordingly, the content of the end use customer's bill is limited to data obtained from the customer by the ~~E/MESCO~~ and data transmitted to the ~~E/MESCO~~ by the Utility. In the Utility Rate Ready or Utility Bill Ready models, the consolidated bill presented to the end use retail customer will contain information about meter reads, meter multipliers, etc. (as prescribed by the Uniform Business Practices) by virtue of the fact that the Utility is the entity presenting the bill and it has ready access to such information. Although the customer bill rendered by the ~~E/MESCO~~ in the Single Retailer Model need not conform to the UBP bill content requirements, the ~~E/MESCO~~ should be able to provide their customers with the level of bill detail similar to the level currently provided in either a utility bundled bill or a consolidated bill rendered by the Utility. Since the TS867MU Standard in New York was designed to provide only billed consumption information the 867MU transaction standard has been amended to add an additional PTD loop for metered usage to enable the Utility to send the ~~E/MESCO~~ the following data in addition to consumption information (where applicable): beginning and ending meter reads, meter multipliers, number of dials, service point id, therm and degree day factors, metered base load and transformer loss adjustment factor.

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<b>PROCESS NUMBER:</b>	<b>SR0</b>
<b>PROCESS NAME:</b>	<b><i>UTILITY PROCESSES INVOICES USING THE SINGLE RETAILER MODEL (PARENT PROCESS)</i></b>
<b>PROCESS DEFINITION:</b>	<p>The process by which a Utility uses usage data from the meter reading entity to calculate actual or estimated delivery charges and related adjustments for a retail access customer and then transmits this information to the ESCO/<del>Marketer</del> in an 810 Invoice. The <del>E/MESCO</del> will then issue bills to their customers using the information from these 810 invoices. The bill cycle and bill format for customer bills is at the discretion of the <del>E/MESCO</del>. Each <del>E/MESCO</del> will also receive an 810 ESCO Summary Invoice which contains both business-to-business fees or service charges such as balancing fees, late fees, etc. plus a summary of the delivery related charges/adjustments for the <del>E/MsESCOs</del> customers previously transmitted in the corresponding EURC Invoices. The total outstanding balance due in the ESCO Summary Invoice must be paid according to the schedule established by the Utility.</p> <p>In this model, an <del>E/MESCO</del> may receive three different EDI 810 invoices:</p> <ul style="list-style-type: none"> <li>• The EURC (End Use Retail Customer) Cycle Invoice will contain current or cancelled charges for a cycle for an EURC enrolled with the <del>E/MESCO</del>. This invoice will contain billing information for one EURC account for one commodity.</li> <li>• The EURC (End Use Retail Customer) Calendar Month Estimate Invoice will contain current or cancelled charges for one EURC account for one commodity based upon usage estimated for a calendar month period. This Invoice is the basis for calculating the amount of transportation charges applicable to a specific EURC.</li> <li>• The ESCO Summary Invoice will contain all the charges due and payable by the <del>E/MESCO</del> for a specific time period. This includes the summary of all charges associated with each EURC enrolled with the <del>E/MESCO</del> for that time period (sent in the corresponding 810 EURC Cycle or 810 EURC Calendar Month Estimate Invoices) and business-to-business charges that cannot be associated with individual end use customers.</li> </ul>
<b>TRIGGER(S):</b>	See Sub-Processes
<b>ESTIMATED / PEAK</b>	See Sub-Processes

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<b>PROCESS NAME:</b>	<b>UTILITY PROCESSES INVOICES USING THE SINGLE RETAILER MODEL (PARENT PROCESS)</b>
<b>TRANSACTION RATE:</b>	
<b>PROCESS INPUTS:</b>	Usage Information (actual metered usage recorded by the meter, estimated usage or customer read data), Utility Information, <del>E/</del> MESCO Information, Customer Information, Service Information, Bill Information.
<b>PROCESS OUTPUTS:</b>	See Sub-processes
<b>SUB OR PRECEDING PROCESSES:</b>	<ul style="list-style-type: none"> <li>-- 1.0 Utility Processes Original 810 EURC Cycle Invoice</li> <li>-- 2.0 Utility Processes Original 810 EURC Calendar Month Estimate Invoice</li> <li>-- 3.0 <del>E/</del>MESCO Rejects EURC 810 Invoice</li> <li>-- 4.0 Utility Processes Cancel 810 EURC Invoice</li> <li>-- 5.0 Utility Processes Original 810 ESCO Summary Invoice</li> </ul>
<b>PROCESS RULES:</b>	<p>[B&amp;PP A.] In general, there are two basic models for retail access, the “Multi-Retailer” and the “Single Retailer” models. The business practices appropriate for billing and payment processing are necessarily different for each of these models. Under the pure “Single Retailer” model for retail access, the traditional utility generally provides its delivery services to another party that, in turn, serves the customer. This model results in the customer again having a business relationship with a single energy entity, but in this case a different entity than the traditional utility company. In the pure Single Retailer model, billing and payment processing is, by definition, the responsibility solely of the new party that serves the customer, although it may also be contracted out to a third party, including the utility company in some cases. Requirements for billing and payment processing under the “Single Retailer” model <i>have not been</i> established in <i>the Uniform Business Practices</i>, except as a general requirement that all bills to customers must be clear, legible, easy to read, and comply with all requirements of law.</p>

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<b>PROCESS NUMBER:</b>	<b>SR0</b>
<b>PROCESS NAME:</b>	<b><i>UTILITY PROCESSES INVOICES USING THE SINGLE RETAILER MODEL (PARENT PROCESS)</i></b>
	<p>[CWG] Usage will be cancelled by cycle unless the trading partners agree on a different level of detail. Data sent in a cancel transaction must match the usage sent in the original transaction.</p> <p>[CWG] Each trading partner should process all 867MU canceled transactions before processing 867MU original transactions and all 867MU transactions should be processed before 810 Invoice transactions are processed.</p> <p>[CWG] 867MU canceled transactions and 867MU original transactions will be sent in separate transaction envelopes.</p> <p>[CWG] The 810 ESCO Summary Invoice will not be sent in the same transaction envelope with 810 EURC Invoice transactions.</p> <p>[CWG] For proper reconciliation of the aggregate amount of EURC charges sent in an 810 ESCO Summary Invoice, the <del>E/MESCO</del> should process the EURC Invoices (either an EURC Cycle Invoice or an EURC Calendar Month Estimate Invoice) before the corresponding 810 ESCO Summary Invoice is processed.</p> <p>[CWG] EURC 810 Invoices pertain to a single commodity (either gas or electric) but EURC Invoices for gas service may be sent in the same transaction envelope as EURC Invoices pertaining to electric service.</p> <p>[CWG] An 810 ESCO Summary Invoice may contain charges associated with electric service, gas service or charges unrelated to a specific commodity. To identify those charges that are not specific to a commodity, the value sent in the IT107 element in an ESCO Summary Invoice should be “BOTH”.</p> <p>[CWG] The <del>E/MESCO</del> must pay the Utility for the EURC charges presented in the ESCO Summary Invoice whether or not the EURC has paid the <del>E/MESCO</del>.</p>
<b>COMMENTS/ RECOMMENDATIONS:</b>	<p><del>COMMENT: NFG will transmit an 810 ESCO Summary Invoice at the same time as 810 EURC Calendar Month Estimate Invoices are being transmitted. NFG will transmit an 867MU transaction for each 810 EURC Cycle Invoice or 810 Calendar Month Estimate Invoice that is transmitted.</del> <b>COMMENT:</b> Data in the BPT segment of the 867MU</p>

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<b>PROCESS NUMBER:</b>	<b><i>SR0</i></b>
<b>PROCESS NAME:</b>	<b><i>UTILITY PROCESSES INVOICES USING THE SINGLE RETAILER MODEL (PARENT PROCESS)</i></b>
	transaction will indicate whether the transaction contains actual usage for a cycle period or estimated usage for a calendar month period.



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<b>PROCESS NUMBER:</b>	<b>SR 1.0</b>
<b>PROCESS NAME:</b>	<b>UTILITY PROCESSES ORIGINAL 810 EURC CYCLE INVOICE</b>
<b>PROCESS DEFINITION:</b>	Process by which a Utility notifies an <u>E/MESCO</u> that charges/adjustments have been billed for their end use retail customer.
<b>TRIGGER(S):</b>	End use customer's meter is read and/or usage is estimated for a cycle.
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	Dependent upon number of customers enrolled with the <u>E/MESCO</u>
<b>PROCESS INPUTS:</b>	Usage information (actual metered usage, estimated usage calculated for a cycle or customer read data); Utility Information; <u>E/MESCO</u> Information; Customer Information; Service Information; Meter Information (Next Read Date); Bill Information.
<b>PROCESS OUTPUTS:</b>	<p><u>Positive Response:</u> Not Applicable</p> <p><u>Negative Response:</u> An 810 EURC Cycle Invoice may be rejected via a 997 transaction for syntax errors or missing/invalid data segments/elements. An 810 EURC Cycle Invoice may also be rejected via an 824 Application Advice transaction when:</p> <ul style="list-style-type: none"> <li>➤ EURC Cycle Invoice contains an invalid Utility Account Number for the end use customer (Account number not valid for <u>E/MESCO</u>)</li> <li>➤ EURC Cycle Invoice reflects charges associated with the wrong commodity (Account does not have service requested with <u>E/MESCO</u>)</li> <li>➤ EURC Cycle or Calendar Month Estimate Invoice contains a cross reference number in the BIG05 element that does not match the reference number previously sent in the corresponding 867 transaction</li> </ul>
<b>SUB OR PRECEDING</b>	<ul style="list-style-type: none"> <li>• Customers meter is read, customer provides reading or utility estimates usage for cycle period</li> <li>• Usage data is validated and an 867MU transaction is transmitted to the <u>E/MESCO</u></li> </ul>

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<b>PROCESS NUMBER:</b>	<b><i>SR 1.0</i></b>
<b>PROCESS NAME:</b>	<b><i>UTILITY PROCESSES ORIGINAL 810 EURC CYCLE INVOICE</i></b>
<b>PROCESSES:</b>	<ul style="list-style-type: none"><li>• Utility uses usage data to calculate end use customers delivery charges for the cycle</li><li>• Utility transmits 810 EURC Cycle Invoice containing current charges to <u>E/MESCO</u></li><li>• Utility aggregates amounts sent in the TDS segment of each 810 EURC Cycle Invoice (both Original and Cancel transactions) applicable to a specific <u>E/MESCO</u> and transfers this amount to an 810 ESCO Summary Invoice</li></ul> OR <ul style="list-style-type: none"><li>• Utility aggregates amounts sent in the TDS segment of each 810 EURC Calendar Month Estimate Invoice to the ESCO Summary Invoice (see sub-process SR2.0)</li><li>• Utility populates 810 ESCO Summary Invoice with any current business-to-business charges/adjustments, balance information and payment due date and transmits the transaction to the <u>E/MESCO</u></li></ul>
<b>PROCESS RULES:</b>	<p>[CWG] The Utility may choose to include/exclude sales tax amounts in the charges sent in an 810 EURC Cycle Invoice. Where sales tax amounts are not included, the <u>E/MESCO</u> is expected to calculate, bill and remit any sales taxes applicable to their end use customers' charges. <del>NFG will include all applicable tax amounts pertaining to the EURC in both the Cycle and Calendar Month Estimate Invoices and will remit these amounts to the appropriate taxing authority.</del></p> <p>[CWG] The 810 EURC Cycle or Calendar Month Estimate Invoice will be sent within two business days of the date the Utility transmits the corresponding 867MU transaction.</p> <p>[CWG] An 810 EURC Cycle Invoice will not contain balance information or a payment due date.</p>
<b>COMMENTS:</b>	

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<b>PROCESS NUMBER:</b>	<b>SR 2.0</b>
<b>PROCESS NAME:</b>	<b>UTILITY PROCESSES ORIGINAL 810 EURC CALENDAR MONTH ESTIMATE INVOICE</b>
<b>PROCESS DEFINITION:</b>	The process by which the Utility notifies the <del>E/MESCO</del> of all current charges for their customers for each calendar month period. <del>Currently this invoice is only sent by National Fuel and is based upon estimated usage for an end use retail customer for a calendar month period.</del>
<b>TRIGGER(S):</b>	Calculation of estimated usage at month end.
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	Dependent on the number of customers enrolled with the <del>E/MESCO</del> .
<b>PROCESS INPUTS:</b>	Usage information (estimated for a calendar month period); Utility Information; <del>E/MESCO</del> Information; Customer Information; Service Information; Bill Information.
<b>PROCESS OUTPUTS:</b>	<p><u>Positive Response:</u> Not Applicable</p> <p><u>Negative Response:</u> An 810 EURC Calendar Month Estimate Invoice may be rejected via a 997 transaction for syntax errors or missing/invalid data segments/elements. An 810 EURC Calendar Month Estimate Invoice may also be rejected via an 824 Application Advice transaction when:</p> <ul style="list-style-type: none"> <li>➤ EURC Calendar Month Estimate Invoice contains an invalid Utility Account Number for the end use customer (Account number not valid for <del>E/MESCO</del>)</li> <li>➤ EURC Calendar Month Estimate Invoice reflects charges associated with the wrong commodity (Account does not have service requested with <del>E/MESCO</del>)</li> </ul>
<b>SUB OR PRECEDING</b>	<ul style="list-style-type: none"> <li>• Usage is estimated for the current calendar month for each EURC enrolled with an <del>E/MESCO</del></li> </ul>

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<b>PROCESS NUMBER:</b>	<b>SR 2.0</b>
<b>PROCESS NAME:</b>	<b><i>UTILITY PROCESSES ORIGINAL 810 EURC CALENDAR MONTH ESTIMATE INVOICE</i></b>
<b>PROCESSES:</b>	<ul style="list-style-type: none"> <li>Utility transmits an 867MU transaction containing estimated usage for the calendar period for EURC enrolled with the <u>E/MESCO</u></li> <li>Utility uses estimated usage data to calculate EURC delivery and other charges for the calendar month</li> <li>Utility transmits the 810 EURC Calendar Month Estimate Invoice containing current charges to <u>E/MESCO</u></li> <li>Utility aggregates amounts sent in the TDS segment of each 810 EURC Calendar Month Estimate Invoice applicable to a specific <u>E/MESCO</u> and transfers this amount to an 810 ESCO Summary Invoice</li> <li>Utility populates 810 ESCO Summary Invoice with any current business-to-business charges/adjustments, balance information and payment due date and transmits the transaction to the <u>E/MESCO</u></li> </ul>
<b>PROCESS RULES:</b>	<p>[CWG] All EURC account specific charges will be sent in the 810 EURC Calendar Month Estimate Invoice <del>(and for NFG will include any applicable taxes).</del></p> <p>[CWG] The 810 EURC Calendar Month Estimate Invoice will not contain balance information or a payment due date.</p> <p>[CWG] The total of amounts sent in the TDS segment of the EURC Calendar Month Estimate Invoice (both Original and Cancel transactions) will be sent in an SAC segment with a code of “DIS005” in the 810 ESCO Summary Invoice.</p>
<b>COMMENTS:</b>	<p>Each 810 EURC Calendar Month Estimate Invoice can be linked to its corresponding 810 ESCO Summary Invoice (see Sub-Process 5.0) via use of the same purchase order number (BIG04) in each transaction. All 810 EURC Calendar Month Estimate Invoices processed for a specific calendar month will contain the same purchase order number.</p> <p>The 810 ESCO Summary Invoice that contains the aggregate of the TDS amounts from the 810 EURC Calendar Month Estimate Invoices (both Original and Cancel transactions) for that month will contain the same purchase order number sent in the EURC Invoices. The 810 EURC Calendar Month Estimate Invoices will be processed and</p>

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<b>PROCESS NAME:</b>	<b><i>UTILITY PROCESSES ORIGINAL 810 EURC CALENDAR MONTH ESTIMATE INVOICE</i></b>
	sent at the same time as the 810 ESCO Summary Invoices. These practices will enable an <del>E/</del> <u>AMESCO</u> to reconcile the total amount sent in the Summary Invoice for a given month for all 810 EURC Calendar Month Estimate Invoices sent for that month with the individual amounts sent in each 810 EURC Calendar Month Estimate Invoice.

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<b>PROCESS NUMBER:</b>	<b>SR 3.0</b>
<b>PROCESS NAME:</b>	<b><u>E/MESCO</u> REJECTS 810 EURC CYCLE OR CALENDAR MONTH ESTIMATE INVOICE</b>
<b>PROCESS DEFINITION:</b>	Process by which an <u>E/MESCO</u> may reject an 810 EURC Invoice.
<b>TRIGGER(S):</b>	810 EURC Cycle or Calendar Month Estimate Invoice is processed by <u>E/MESCO</u>
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	Low
<b>PROCESS INPUTS:</b>	Utility Information; <u>E/MESCO</u> Information; Customer Information; Service Information (electric or gas); Rejection Reason
<b>PROCESS OUTPUTS:</b>	Utility will acknowledge receipt of an 824 Application Advice transaction via a 997 transaction. No response will be sent by the Utility when the <u>E/MsESCOs</u> system rejects an 810 Invoice via a 997 transaction (i.e. there are syntax errors, and/or required segments/elements are missing or invalid).
<b>SUB OR PRECEDING PROCESSES:</b>	<ul style="list-style-type: none"> <li>• 867MU to <u>E/MESCO</u> (EURC Cycle or Calendar Month Estimate Invoices Only)</li> <li>• 810 Invoice to <u>E/MESCO</u></li> <li>• 997 or 824 reject transaction from <u>E/MESCO</u></li> <li>• New 867MU transaction may be sent to <u>E/MESCO</u> (EURC Cycle or Calendar Month Estimate Invoices Only)</li> <li>• 810 Invoice rejected may be canceled or a new 810 Invoice containing correct data may be sent.</li> </ul>
<b>PROCESS RULES:</b>	[CWG] An 810 Cycle or Calendar Month Estimate Invoice may be rejected by the <u>E/MESCO</u> when the EURC account number is not valid, the ESCO does not supply the service indicated in the EURC Cycle or Calendar Month

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<b>PROCESS NAME:</b>	<b><u>E/MESCO</u> REJECTS 810 EURC CYCLE OR CALENDAR MONTH ESTIMATE INVOICE</b>
	Estimate Invoice for the customer specified, or the cross reference number sent in the BIG05 element does not match any reference numbers previously sent in an 867MU transaction for the EURC specified in the transaction (EURC Cycle or Calendar Month Estimate Invoice Only). [CWG] An 810 Cycle or Calendar Month Estimate Invoice must be rejected within 2 business days of receipt.
<b>COMMENTS:</b>	



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<b>PROCESS NUMBER:</b>	<b><i>SR 4.0</i></b>
<b>PROCESS NAME:</b>	<b><i>UTILITY PROCESSES 810 CANCEL EURC INVOICES</i></b>
<b>PROCESS DEFINITION:</b>	Process by which a Utility notifies an <del>E/MESCO</del> of a cancellation of a previously transmitted 810 EURC Invoice.
<b>TRIGGER(S):</b>	<p>EURC charges previously sent in an 810 EURC Cycle or Calendar Month Estimate Invoice were based on usage (recorded or estimated) that must now be changed.</p> <p>An EURC Invoice has been rejected by the <del>E/MESCO</del></p>
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	Dependent upon the number of customers enrolled with the <del>E/MESCO</del> .
<b>PROCESS INPUTS:</b>	Corrected bill or usage data or corrected Customer Information
<b>PROCESS OUTPUTS:</b>	867MU Cancel transaction and/or an 810 EURC Cycle or Calendar Month Estimate Invoice Cancel transaction
<b>SUB OR PRECEDING PROCESSES:</b>	<ul style="list-style-type: none"><li>• Utility cancels previously transmitted usage data based on corrected information and then cancels bill</li><li>• 867MU Cancel transaction is transmitted to <del>E/MESCO</del></li></ul>

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<b>PROCESS NAME:</b>	<b><i>UTILITY PROCESSES 810 CANCEL EURC INVOICES</i></b>
	<ul style="list-style-type: none"><li>• 810 Cancel transaction is sent under a new Purchase Order Number</li><li>• Utility may issue new original 867MU transaction</li><li>• Utility may issue new original 810 EURC Cycle or Calendar Month Estimate Invoice transaction.</li><li>• The TDS amounts from Cancel EURC Invoices will be added to the TDS amounts from Original EURC Invoices generated for the cycle or the month and transferred to the ESCO Summary Invoice corresponding to the cycle or monthly period. The amount sent in the ESCO Summary Invoice identified with an SAC04 code of DIS005 (total EURC Charges) will be the net amount of the TDS segments from EURC Original and Cancel transactions for the applicable period.</li></ul>
<b>PROCESS RULES:</b>	<p>[CWG] Whenever an invoice is cancelled the following practices will be used, to the extent practicable: (1) usage/consumption will be cancelled by cycle or calendar month period; (2) the usage sent in the cancel transaction must match the usage sent in the original transaction; (3) usage cancelled will be sent at the same level of detail as the original usage, unless the parties agree to a different level of detail; (4) in order to restate usage for a cycle or calendar month period, the Meter Data Service Provider must first completely cancel usage for that period and then send the full set of restatement transactions.</p> <p>[CWG] An 810 EURC Invoice may not be canceled without first canceling the corresponding 867MU transaction.</p>
<b>COMMENTS:</b>	

**BILLING BUSINESS PROCESSES – SINGLE RETAILER MODEL**

<b>PROCESS NUMBER:</b>	<b>SR 5.0</b>
<b>PROCESS NAME:</b>	<b>UTILITY PROCESSES 810 ESCO SUMMARY INVOICE</b>
<b>PROCESS DEFINITION:</b>	Process by which a Utility notifies an <del>E/MESCO</del> of business-to-business charges/adjustments due from that <del>E/MESCO</del> , the total balance due for all charges and the due date for payment.
<b>TRIGGER(S):</b>	Cycle billing; cancel billing, rebilling, calendar month estimates, <del>E/MESCO</del> charges are assessed
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	Frequency TBD by the Utility offering this model.
<b>PROCESS INPUTS:</b>	<p>Utility Information; <del>E/MESCO</del> Information; Service Information; and Bill Information which includes:</p> <ul style="list-style-type: none"> <li>• Total of the TDS amounts from EURC Invoice transactions (from either the EURC Cycle or Calendar Month Estimate Invoice),</li> <li>• Balance information (including payments received) pertaining to the <del>E/MsESCOs</del> account with the Utility,</li> <li>• Fees due and payable by the <del>E/MESCO</del> for business-to-business services such as balancing and/or storage fees, pipeline capacity charges, fees for special meter reads, late fees, etc., and</li> <li>• the payment due date.</li> </ul>
<b>PROCESS OUTPUTS</b>	<p><u>Positive Response:</u> Not Applicable</p> <p><u>Negative Response:</u> An 810 ESCO Summary Invoice may be rejected via a 997 transaction for syntax errors or missing/invalid data segments/elements or via an 824 Application Advice transaction when:</p> <ul style="list-style-type: none"> <li>➤ 810 ESCO Summary Invoice contains an invalid Utility Account Number for ESCO/<del>Marketer</del> (Account</li> </ul>

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	<p>number not valid for <u>E/MESCO</u>)</p> <p>➤ 810 ESCO Summary Invoice reflects charges associated with the wrong commodity (Account does not have service requested with ESCO)</p>
<b>SUB OR PRECEDING PROCESSES:</b>	<ul style="list-style-type: none"> <li>• EURC Invoice transactions for the month or cycle have been processed and transmitted</li> <li>• TDS amounts from EURC Invoices have been aggregated for presentation in 810 ESCO Summary Invoice</li> <li>• Current business-to-business charges/adjustments have been applied to <u>E/MESCO</u> account</li> <li>• Information collected on <u>E/MESCO</u> payments applied since the last 810 ESCO Summary Invoice was transmitted</li> <li>• Utility calculates Total Outstanding Balance</li> <li>• Utility determines Payment Due Date</li> <li>• Utility transmits ESCO Summary Invoice</li> </ul>
<b>PROCESS RULES:</b>	<p>[CWG] A Payment Due Date will only be sent in the ESCO Summary Invoice</p> <p>[CWG] The aggregate of the TDS amounts from all 810 EURC Invoices (Original and Cancel transactions) with the same Purchase Order Number will be sent in the 810 ESCO Summary Invoice in an SAC segment where SAC04 equals “DIS005”. The “DIS005” code may not be used to describe any other charges that may be sent in an ESCO Summary Invoice.</p> <p>[CWG] Each payment or refund applied to the <u>E/MESCO</u> account since the previous 810 ESCO Summary Invoice will be separately itemized in one or more PAM segments.</p> <p>[CWG] The following balance information will be sent in the 810 ESCO Summary Invoice transaction:</p>

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	<ul style="list-style-type: none"><li>◆ Prior Balance,</li><li>◆ Total Payments &amp; Refunds,</li><li>◆ Beginning Balance (Prior Balance – Total Payments/Refunds = Beginning Balance),</li><li>◆ Total Outstanding Balance (Beginning Balance + TDS amount in Summary Invoice)</li></ul> <p>[CWG] The Purchase Order Number (BIG04) sent in the 810 ESCO Summary Invoice will be identical to the Purchase Order Number sent in each of the EURC Invoices (Original and Cancel transactions) whose total TDS amount has been included in the amount summarized in the ESCO Summary Invoice under the SAC04 code “DIS005”.</p>
<b>COMMENTS:</b>	