Gray Boxed conventions standardized with the 814C IG using the convention:

> Utility Request:
> ESCO Response:
>
> ESCO Request:
> Utility Response:

TWG Chair Recommendations:

- Make the following segments simply "Required" as they are always required regardless of whether the transaction is a request, response or who the sender is.
  - ST
  - BGN
  - N1 for ESCO
  - N1 for Utility
  - LIN
  - ASI
  - REF*12 - Notice that you have this as not used... the utility account number is ALWAYS required.
  - SE
- N1 for Customer
  - Please change ESCO Request and Response to "Optional". This does not mean the supplier is changing the name, but many suppliers prefer to always keep a name in all transactions.
- Mailing Address is not consistent between all the segments (N1, N3, N4, PER). It seems unlikely that a supplier would send you this information, but if it is expected, then all 4 segments should be consistent.
- REF*7G Rejection Reason
  - ESCO Response should be Required when sending a Reject Response. It is currently showing as Not Applicable, which is not true, the supplier can send a Reject.
- REF*AJ
  - This should be conditional or optional in both directions. I believe some utilities require that it be included? Even if they don't require it on the 814 Change, but do require it on the 814 Enrollment, then the supplier should have the option to send it on all 814s.
- REF*SU
  - Are you sure no utility reports this? I believe some may.
- AMT for budget
  - Move the utility request/response above the ESCO request/response.

NY 814 Change (Account Maintenance)

Segment:	**N1** Name (Name for Mailing)	
Position:	040	
Loop:	N1 Optional (Dependent)	
Level:	Heading	
Usage:	Optional (Dependent)	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code.	

Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Notes:		

Utility Request : Conditional
ESCO Response: Conditional

ESCO Request : Conditional
Utility Response: Conditional

This segment must be sent by either the Utility or the ESCO when the customer receives a consolidated bill and the name associated with the mailing address for billing and/or the mailing address or customer's telephone number changes.

When rejecting a GSP Credit because the customer has moved outside the service territory, this segment may be used to indicate the customer's forwarding address will be sent (if known by the utility).

N1~BT~Daimler-Benz C/O Siegfried Schwung
N1~BT~Robert J. McDonald DBA Tiny Tots
N1~BT~Ben Jones, Mgr. Store 16

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	N101	98	Entity Identifier Code	M ID 2/3
			BT Bill-to-Party	
			Name for Mailing Address	
Mand.	N102	93	Name	M AN 1/60

Name associated with the mailing address for billing. This N1 segment must be sent to report a change in the name associated with the mailing address for billing. This segment must also be sent when reporting a change in the address for billing (the N3/N4 segments) and/or a change in the customer's telephone number (the PER segment). When a change is being requested in either mailing address or telephone number, this element may contain the literal "NAME".

NY 814 Change (Account Maintenance)

Segment:	**N3** **Address Information (Mailing Address)**
Position:	060
Loop:	N1 Optional (Dependent)
Level:	Heading
Usage:	Optional (Dependent)
Max Use:	1
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Notes:	

Utility Request: Conditional
ESCO Responses: Conditional

ESCO Request :   Conditional
Utility Response: Conditional

This segment must be sent by the Utility or ESCO when a change in mailing address for billing occurs and the customer receives a consolidated bill. This segment must accompanied by an N1*BT segment.

The N301 and N302 elements may contain the street address, City Name, State and postal code when the mailing address is located outside their service territory (for either domestic or foreign addresses) if specified by a utility in its Utility Maintained EDI Guide.

When rejecting a GSP Credit because the customer has moved outside the service territory, this segment, accompanies by an N1*BT segment may be used to send the customer's forwarding address (if known by the utility).

N3~Epplestrasse 225 70567
N3~123 N Main St~Room 323
N3~One Parklane Blvd 911 East Dearborn MI 48126
N3~107 980 West 1st St North Vancouver British Columbia Ca~nada

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	N301	166	**Address Information**	M	AN 1/55
			Mailing Address for Billing		
Cond.	N302	166	**Address Information**	O	AN 1/55
			Mailing Address for Billing Overflow		

NY 814 Change (Account Maintenance)

Segment:	**N4** Geographic Location (Mailing Address)
Position:	070
Loop:	N1 Optional (Dependent)
Level:	Heading
Usage:	Optional (Dependent)
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Notes:	

Utility Request: Conditional
ESCO Response: ~~Not used~~Conditional

ESCO Request :   Conditional
Utility Response: Conditional

This segment must be sent in conjunction with N1*BT and N3 (Mailing Address) when the mailing address for billing changes and the customer receives a consolidated bill. This segment must accompanied by an N1*BT segment.

When rejecting a GSP Credit because the customer has moved outside the service territory, this segment, accompanies by an N1*BT segment may be use to send the customer's forwarding address (if known by the utility).

N4~Stuttgart Germany 011-49-711-17-0
N4~FOREIGN ADDRESS
N4~MYCITY~NY~19123
N4~North Vancouver BC Canada
N4~Dearborn~MI~48126

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N401	19	City Name	O AN 2/30

Domestic addresses: This field will contain the City Name. Alternatively, a utility may populate this field with a City Name only when the City is located within their service territory provided that if the City is outside its service territory, the City Name, State and postal code will be sent in the N3 segment and the N401 will contain the literal "Outside Service Territory".
Foreign addresses (other than Canada): The Country Code will not be sent in the N404 element.   In its Utility Maintains EDI Guide, a utility will specify the way it will populate this field with:
- City Name and Country Name and transmit postal codes in the N403 element.
- The literal "Foreign Address" and transmit the address in the N3 segment.
- The City Name, Country Name and postal code in this element (up to 30 characters).
- The City Name and Country Name.

	Ref. Des.	Data Element	Name	Attributes
Cond.	N402	156	State or Province Code	O ID 2/2

Code (Standard State/Province) as defined by appropriate government agency. A utility may elect to populate this element with:
- State codes.
- State codes within their service territory, i.e. NY or PA.
Otherwise, this element will not be sent by other Utilities.

	Ref. Des.	Data Element	Name	Attributes
Cond.	N403	116	Postal Code	O ID 3/15

Code defining international postal zone code excluding punctuation and blanks (zip code for United States). Utilities will populate this element only with US zip code information, unless a utility elects to populate this element with:
- US zip codes and Canadian or other foreign postal codes.

NY 814 Change (Account Maintenance)

- US zip code information only when the mailing address is located within their service territory.

NY 814 Change (Account Maintenance)

Segment:	**PER** Administrative Communications Contact (Customer Phone Number)
Position:	080
Loop:	N1 Optional (Dependent)
Level:	Heading
Usage:	Optional (Dependent)
Max Use:	1
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Notes:	Utility ~~request~~Request: Not Used
	ESCO ~~response~~Response: Not Applicable
	ESCO ~~request~~Request: Conditional
	Utility ~~response~~Response: ~~Not Used~~Conditional
	This segment should be sent when the ESCO becomes aware of a change in the customer's telephone number coincident with a change in mailing address. This segment is sent in the N1 Name (Name for Mailing) Loop and must be accompanied by an N1*BT segment.
	If a change is made to this segment the N1BT code is transmitted in the REF*TD segment at position 030.
	PER~IC~~TE~7166756271

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Mand.	PER01	366	Contact Function Code		M ID 2/2
			IC	Information Contact	
Must Use	PER03	365	Communication Number Qualifier		X ID 2/2
			TE	Telephone	
				Contact telephone number for the customer associated with this account.	
Must Use	PER04	364	Communication Number		X AN 1/80
			Customer's telephone number in the format xxxyyyzzzz (Area code+7 digit number).		

Segment:	**REF** Reference Identification (Reject Response Reasons)
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:

Utility Request :   Not Used
ESCO Response: Not Used

ESCO Request: Not usedUsed
Reject Utility Response: Required
Other Responses: Not Used

This segment is required when the transaction is a Response transaction (BGN01=11) and the action or status is Reject (ASI01=U) in order to describe the reason that a change request has been rejected. If an ESCO questions or disagrees with the utility's rejection response, it should contact the utility via non-EDI means.

If codes 008, ECB or MOV are used to reject AMT*7 (ESCO Pricing Adjustment Credit) or AMT*UJ (ESCO Generic Credit), the supplier is responsible for directly reimbursing the customer.

REF~7G~C11

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	REF01	128	Reference Identification Qualifier		M	ID 2/3
			7G	Data Quality Reject Reason		
				Reject reasons associated with a reject status notification.		
Must Use	REF02	127	Reference Identification		X	AN 1/30
			008	Account Inactive or Pending Inactive		
			A13	Other (REF03 required)		
			A76	Account not found (this includes inactive account numbers as well as no account number found)		
			A91	Account does not have service requested		
			API	Required information missing (REF03 Required)		
			C11	Change reason (REF*TD) missing or invalid		
			ECB	Credit cannot be included on customer bill due to current ESCO's Billing model selection or the ESCO issuing the credit does not have a billing relationship with the utility (REF03 required)		
			IF	Credit not sufficiently funded		
			FRB	Incorrect billing option (REF*BLT) requested		
			FRC	Incorrect bill calculation type (REF*PC) requested		
			M76	Meter Number Invalid or Not Found		
			MOV	Customer moved outside service territory		
			NIA	Not Interval Account		
			NMA	Net Metered Account		
			W05	Requested rate not found		
Cond.	REF03	352	Description		X	AN 1/80
			Used to provide explanatory text for an A13, API or ECB reject code.			

Segment:	**REF** Reference Identification (Utility Account Number for ESCO)	
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:

Utility Request~~s~~:   Conditional
~~ESCO~~ Response~~s~~:   Conditional

ESCO Request: Conditional
Utility Response: Conditional

If required by the utility as specified, in its Utility Maintained EDI Guide. ~~This segment is sent to report a change in~~ the utility assigned account number for the ESCO must be included in requests and responses.

REF~AJ~3134597

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Mand.	REF01	128	Reference Identification Qualifier		M ID 2/3
			AJ Accounts Receivable Customer Account		
			REF02 contains the Utility assigned account number for the ESCO		
Must Use	REF02	127	Reference Identification		X AN 1/30
			Utility account number for the ESCO		

Segment:	**REF** Reference Identification (Customer on Life Support)
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:	Utility Request: Not Used
	ESCO Response: Not Applicable
	ESCO Request: Conditional
	Utility Response: Not Used
	ESCO must report a change in an electric customer's life support status for the Single Retailer Model.
	REF~SU~Y
	REF~SU~N

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Mand.	REF01	128	Reference Identification Qualifier		M ID 2/3
			SU	Special Processing Code	
				Life support equipment verification. Customer requires life support equipment.	
Must Use	REF02	127	Reference Identification		X AN 1/30
			N	Life Support Not Required	
			Y	Life Support Required	