

Market Test Changes – Create/Maintain/Retire ESI ID Request/Response

DOCUMENT HISTORY

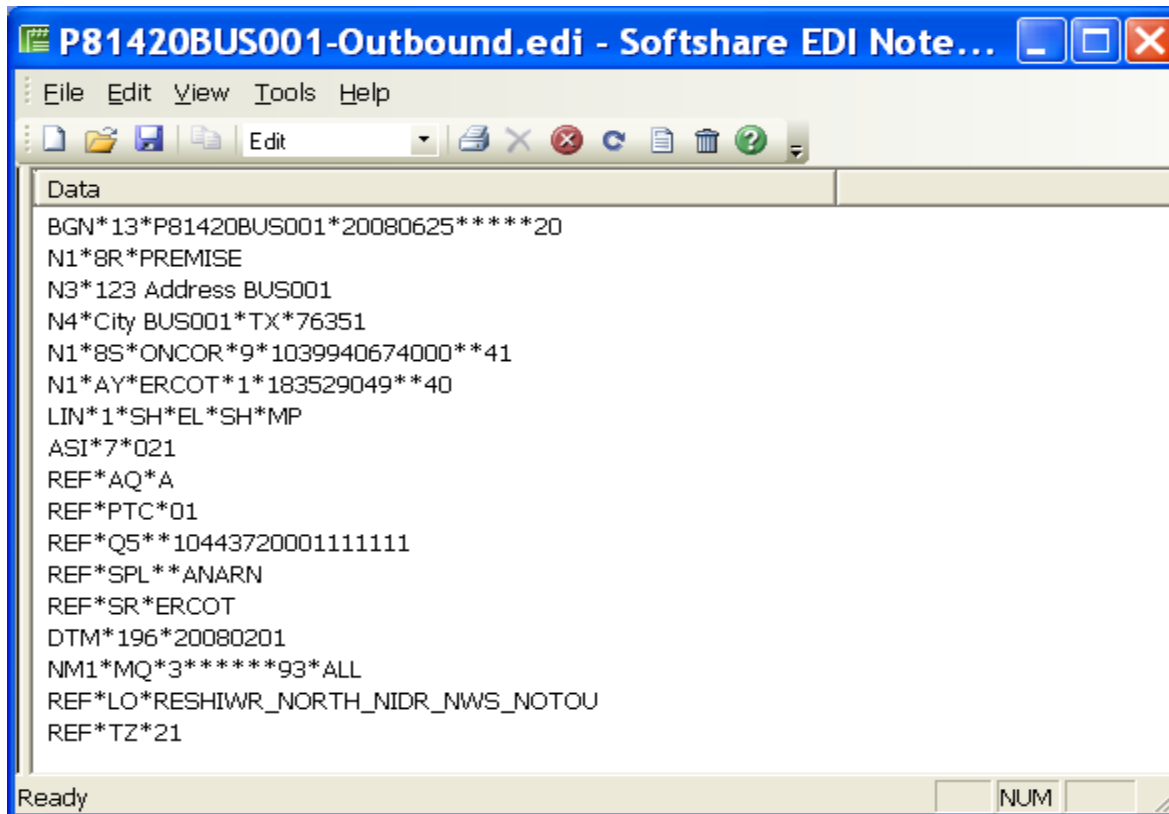
Date	Version	Description	Author
02/28/2008	V 1.0	Initial Release	Jim Rupert
04/09/2008	V 1.1	Added Appendix B. Batching, Appendix C. Control Numbers	Lori Eubanks

814_20: Create/Maintain/Retire ESI ID Request

Sequence Changes: None

ANSI Validations: ANSI 4010 Standards followed

EDI Sample (Test Case):



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Data
BGN*13*P81420BUS001*20080625*****20
N1*8R*PREMISE
N3*123 Address BUS001
N4*City BUS001*TX*76351
N1*8S*ONCOR*9*1039940674000**41
N1*AY*ERCOT*1*183529049**40
LIN*1*SH*EL*SH*MP
ASI*7*021
REF*AQ*A
REF*PTC*01
REF*Q5**10443720001111111
REF*SPL**ANARN
REF*SR*ERCOT
DTM*196*20080201
NM1*MQ*3*****93*ALL
REF*LO*RESHIWR_NORTH_NIDR_NWS_NOTOU
REF*TZ*21
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TxSet Validation Changes: Segments which include changes are highlighted in yellow and the changes are **notated in red font**. ANSI validations are **notated in gray font** or not shown if they are not needed for completeness.

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
BGN01	"13"	No Change				New Format*
BGN02	Not Null	Not Null <i>Alphanumeric only - uppercase letters (A to Z) and digits (0 to 9).</i>				New Format*
BGN03	Not Null	No Change				New Format*
BGN08	"20"	No Change				New Format*
N1(8R)01	'8R'	No Change	<i>If ASI02 equals '001' and REF(TD)02 equals 'N18R' or If ASI02 equals '021' Otherwise not used.</i>	No Change		New Format*
N1(8R)02	notNull	No Change	<i>If N1(8R)01 equals '8R'</i>	No Change		New Format*
N301	notNull	No Change	<i>If N1(8R)01 equals '8R'</i>	No Change		New Format*
N302	Null	No Change	<i>If N301 is not null Else not used</i>	No Change		New Format*
N401	notNull	No Change	<i>If N1(8R)01 equals '8R'</i>	No Change		New Format*

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
N402		'TX' Oncor decision to check only for 'TX'.	If N1(8R)01 equals '8R'	No Change		New Format*
N403	Only 5 or 9 digits allowed (0-9)	No Change	If N1(8R)01 equals '8R'	No Change		New Format*
N1(8S)01	'8S'	No Change				New Format*
N1(8S)02	notNull	No Change				New Format*
N1(8S)03	'1' or '9'	No Change				New Format*
N1(8S)04	stringLength equals 9	No Change	If N1(8S)03 equals '1'	No Change		New Format*
N1(8S)04	stringLength equals 13	No Change	If N1(8S)03 equals '9'	No Change		New Format*
N1(8S)06	'41'	No Change				New Format*
N1(AY)01	'AY'	No Change				New Format*
N1(AY)02	notNull	No Change				New Format*
N1(AY)03	'1'	No Change				New Format*
N1(AY)04	stringLength equals 9	No Change	If N1(AY)03 equals '1'	No Change		New Format*
N1(AY)06	'40'	No Change				New Format*
N1(SJ)01	'SJ'	No Change		Optional		N/A
N1(SJ)01 (Add Segments)	'SJ'	No Change		Optional		N/A
LIN01	'1'	No Change				New Format*

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
LIN02	'SH'	No Change				New Format*
LIN03	'EL'	No Change				New Format*
LIN04	'SH'	No Change				New Format*
LIN05	'IN' or 'MP'	'IN' or 'MP'				New Format*
ASI01	'7'	No Change				New Format*
ASI02	'001', '002' or '021'	No Change				New Format*
REF(AQ)01	Not used	No Change	If ASI02 equals '002' Or if ASI02 equals '001' and REF(TD)02 does not equal 'REFAQ'	No Change		New Format*
REF(AQ)01	'AQ'	No Change	If ASI02 equals '021' Or If ASI02 equals '001' and REF(TD)02 equals 'REFAQ'	No Change		New Format*
REF(AQ)02	'A', 'B', 'C', 'D', 'E', or 'T'	No Change	If REF(AQ)01 equals 'AQ'	No Change		New Format*
REF(PHC)01	Not used	No Change	If LIN05 equals 'MP'	No Change		New Format*
REF(PHC)01	'PHC' Oncor decision not to enforce this validation	No Change	If LIN05 equals 'IN'	No Change		New Format*

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
REF(PHC)01	'D', or 'E' Oncor decision not to enforce this validation	No Change	If REF(PHC)01 equals 'PHC'	No Change		New Format*
REF(PTC)01	Not used	No Change	If ASI02 equals '002' Or if ASI02 equals '001' and REF(TD)02 does not equal 'REFPTC'	No Change		New Format*
REF(PTC)01	'PTC'	No Change	If ASI02 equals '001' and REF(TD)02 equals 'REFPTC' or If ASI02 equals '021'	No Change		New Format*
REF(PTC)02	'01', '02' or '03'	No Change	If REF(PTC)01 equals 'PTC'	No Change		New Format*
REF(Q5)01	'Q5'	No Change				New Format*
REF(Q5)03	notNull	No Change				New Format*
REF(SPL)01	Not used	No Change	If ASI02 equals '002' Or if ASI02 equals '001' and REF(TD)02 does not equal 'REFSPL'	No Change		New Format*
REF(SPL)01	'SPL'	No Change	If ASI02 equals '001' and REF(TD)02 equals	No Change		New Format*

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
			<i>'REFSPL' or If ASI02 equals '021'</i>			
REF(SPL)03	<i>notNull</i>	<i>No Change</i>	<i>If REF(SPL)01 equals 'SPL'</i>	<i>No Change</i>		<i>New Format*</i>
REF(SU)01	<i>Not used</i>	<i>No Change</i>	<i>If ASI02 equals '002' or '021' Or if ASI02 equals '001' and REF(TD)02 does not equal 'REFSU'</i>	<i>No Change</i>		<i>New Format*</i>
REF(SU)01	<i>'SU'</i>	<i>No Change</i>	<i>If ASI02 equals '001' and REF(TD)02 equals 'REFSU'</i>	<i>No Change</i>		<i>New Format*</i>
REF(SU)02	<i>'N' or 'Y'</i>	<i>No Change</i>	<i>If REF(SU)01 equals 'SU'</i>	<i>No Change</i>		<i>New Format*</i>
REF(SR)01	<i>Not used</i>	<i>No Change</i>	<i>If ASI02 equals '002' Or if ASI02 equals '001' and REF(TD)02 does not equal 'REFSR'</i>	<i>No Change</i>		<i>New Format*</i>
REF(SR)01	<i>'SR'</i>	<i>No Change</i>	<i>If ASI02 equals '001' and REF(TD)02 equals 'REFSR' (or) If ASI02 equals '021'</i>	<i>No Change</i>		<i>New Format*</i>
REF(SR)02	<i>'ERCOT',</i>	<i>'ERCOT',</i>	<i>If REF(SR)01</i>	<i>No Change</i>		<i>New Format*</i>

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
	'SERC', 'SPP' or 'WSCC'	'SERC', 'SPP' or 'WSCC'	equals 'SR'			
REF(TD)01 in the LIN loop	Not used	No Change	If ASI02 equals '002' or '021'	No Change		New Format*
REF(TD)01 in the LIN loop	'TD'	No Change	Optional If ASI02 equals '001' See Comments	No Change		New Format*
REF(TD)02 in the LIN loop	'N18R', 'REFAQ', 'REFPTC', 'REFSPL', 'REFSR' or 'REFSU'	'DTM307', 'N18R', 'REFAQ', 'REFPTC', 'REFSPL', 'REFSR' or 'REFSU'	If REF(TD)01 in the LIN loop equals 'TD'	No Change		New Format*
DTM(152)01	Not used	No Change	If ASI02 equals '002' or '021'	No Change		New Format*
DTM(152)01	'152'	No Change	If ASI02 equals '001'	No Change		New Format*
DTM(152)02	Not Null	Not Null, No future dates allowed	If DTM(152)01 equals '152'	No Change		New Format*
DTM(196)01	Not used	No Change	If ASI02 equals '001' or '002'	No Change		New Format*
DTM(196)01	'196'	No Change	If ASI02 equals '021'	No Change		New Format*
DTM(196)02	Not Null, No future dates allowed	No Change	If DTM(196)01 equals '196'	No Change		New Format*
DTM(197)01	Not used	No Change	If ASI02 equals	No Change		New Format*

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
			'001' or '021'			
DTM(197)01	'197'	No Change	If ASI02 equals '002'	No Change		New Format*
DTM(197)02	Not Null, No future dates allowed	No Change	If DTM(197)01 equals '197'	No Change		New Format*
DTM(307)01	Not used	No Change	If ASI02 equals '002' Or If ASI02 equals '001' and REF(TD)02 does not equal 'DTM307'	No Change		New Format*
DTM(307)01	'307'	No Change	Optional If ASI02 equals '021' or If ASI02 equals '001' and REF(TD)02 equals 'DTM307' Note: LIN05 = MP and not = IN	No Change		New Format*
DTM(307)02	Not Null, No future dates allowed	No Change	If DTM(307)01 equals '307'	No Change		New Format*
NM101	Not used	No Change	If ASI01 equals '002'	No Change		New Format*
NM101	'MA', 'MQ', 'MR' or 'MX'	No Change	If ASI01 equals '001' and REF(TD)01 in the LIN loop does not exist*	No Change		New Format*

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
NM101	'MA', 'MQ', 'MR' or 'MX'	No Change	If ASI01 equals '021' and REF(TD)01 in the LIN loop does not exist*	No Change		New Format*
NM102	'3'	No Change	If NM101 equals 'MA', 'MQ', 'MR' or 'MX'	No Change		New Format*
NM108	'32' or '93'	No Change	If NM101 equals 'MA', 'MQ', 'MR' or 'MX'	No Change		New Format*
NM108	'32' or '93'	No Change	If NM101 equals 'MA', 'MQ', 'MR' or 'MX' and ASI02 = '021'	No Change		New Format*
NM108	'32' or '93'	No Change	If NM101 equals 'MA', 'MQ', 'MR' or 'MX' and ASI02 = '001'	No Change		New Format*
NM109	Not Used	No Change	If NM101 equals 'MA', 'MQ', 'MR' or 'MX' and ASI02 = '002'	No Change		New Format*
NM109	Meter Number or, "UNMETERED", , "ALL" or "NONE"	No Change	If NM101 equals 'MA', 'MQ', 'MR' or 'MX' and ASI02 = '021'	No Change		New Format*
NM109	Meter Number	No Change	If NM101 equals	No Change		New Format*

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
	or, "UNMETERED" , "ALL" or "NONE"		'MA', 'MQ', 'MR' or 'MX' and ASI02 = '001'			
REF(46)01	Not used	No Change	If ASI02 equals '002' or '021" Or if ASI02 equals '001' and NM101 does not equal 'MX'	No Change		New Format*
REF(46)01	'46'	No Change	If ASI02 equals '001' and NM101 equals 'MX'	No Change		New Format*
REF(46)02	notNull	No Change	If REF(46)01 equals '46'	No Change		New Format*
REF(4P)01	Not used	No Change	If ASI02 equals '002' or '021" Or if ASI02 equals '001' and NM101 equals 'MR' Or if ASI02 equals '001' and NM101 equals 'MQ' but Meter Information is not known (NM108 = 93 and NM109 = 'NONE' or 'UNMETERED')	No Change		New Format*
REF(4P)01	'4P'	No Change	If ASI02= '001' and NM101 = 'MA'	No Change		New Format*

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
			<p>or 'MX' and NM109 != 'UNMETERED' (OR)</p> <p>If ASI02 = '001' and NM101 = 'MQ' and REF(TD)02 = 'REFIX' and NM109 != 'UNMETERED' (OR)</p> <p>If ASI02 = '001' and NM101 = 'MQ' and REF(TD)02 = 'REFMT' and NM109 != 'UNMETERED' (OR)</p> <p>Is optional with above condition with NM101 = 'ALL'</p>			
REF(4P)02	<i>notNull</i>	<i>No Change</i>	<i>If REF(4P)01 equals '4P'</i>	<i>No Change</i>		<i>New Format*</i>
REF(4P)03	<i>notNull</i>	<i>No Change</i>	<i>If REF(4P)01 equals '4P'</i>	<i>No Change</i>		<i>New Format*</i>
REF(4P)04.C04001	<i>'TU'</i>	<i>No Change</i>	<i>If REF(4P)01 equals '4P'</i>	<i>No Change</i>		<i>New Format*</i>

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
REF(4P)04.C04002	'41', '42', '43', '51', or '71'	No Change	If REF(4P)01 equals '4P'	No Change		New Format*
REF(IX)01	Not used	No Change	If ASI02 equals '002' or '021" Or if ASI02 equals '001' and NM101 equals 'MR' Or if ASI02 equals '001' and NM101 equals 'MQ' but not changing the number of dials (REF-TD-REFIX)	No Change		New Format*
REF(IX)01	'IX'	No Change	If ASI02 equals '001' and NM101 equals 'MA' and NM109 != 'UNMETERED' (OR) If ASI02 equals '001' and NM101 equals 'MX' and NM109 != 'UNMETERED' and REF03 does not start with 'K1' or 'K2' (OR) If ASI02 equals '001' and NM101 equals 'MQ' and NM109 !=	No Change		New Format*

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
			<p>'UNMETERED' and REF(TD)02 = 'REFIX' and REF03 does not start with 'K1' or 'K2'</p> <p>(OR)</p> <p>If ASI02 equals '001' and NM101 equals 'MQ' and NM109 != 'UNMETERED' and REF(TD)02 = 'REFLO' or 'REFAV' and any meter_read and REF02 = Not null and REF03 does not start with 'K1' or 'K2'</p> <p>(OR)</p> <p>If ASI02 equals '001' and NM101 equals 'MQ' and NM109 != 'UNMETERED' and REF(TD)02 = 'REFMT' and any meter_read and REF02 = Not null</p>			
REF(IX)02	<i>notNull</i>	<i>No Change</i>	<i>If REF(IX)01 equals 'IX'</i>	<i>No Change</i>		<i>New Format*</i>
REF(IX)03	<i>notNull</i>	<i>No Change</i>	<i>If REF(IX)01 equals 'IX'</i>	<i>No Change</i>		<i>New Format*</i>

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
REF(IX)04.C04001	'TU'	No Change	If REF(IX)01 equals 'IX'	No Change		New Format*
REF(IX)04.C04002	'41', '42', '43', '51', or '71'	No Change	If REF(IX)01 equals 'IX'	No Change		New Format*
REF(LO)01	Not used	No Change	If ASI02 equals '002' Or if ASI02 equals '001' and NM101 equals 'MR' Or if ASI02 equals '001' and NM101 equals 'MQ' and not changing the Load Profile (REF-TD-REFLO)	No Change		New Format*
REF(LO)01	'LO'	No Change	If ASI02 = '021' (OR) If ASI02 = '001' and NM101 = 'MQ' and REFTD02 = 'REFLO' or 'REFAV' (OR) Is optional if ASI02 = '001' and NM101 = 'MA' or 'MX' (OR) Is optional if ASI02 = '001' and NM101 = 'MQ' and REFTD02 = 'REFNH'	No Change		New Format*

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
REF(LO)02	<i>notNull</i>	<i>No Change</i>	<i>If REF(LO)01 equals 'LO'</i>	<i>No Change</i>		<i>New Format*</i>
REF(MT)01	<i>Not used</i>	<i>No Change</i>	<i>If ASI02 equals '002' or '021' Or if ASI02 equals '001' and NM101 equals 'MR' Or if ASI02 equals '001' and NM101 equals 'MQ' but Meter Information is not known (NM108 = 93 and NM109 = 'NONE' or 'UNMETERED')</i>	<i>No Change</i>		<i>New Format*</i>
REF(MT)01	<i>'MT'</i>	<i>No Change</i>	<i>If ASI02 equals '001' and NM101 equals 'MA' or 'MX' and NM109 != 'UNMETERED' (OR) If ASI02 = '001' and NM101 = 'MQ' and NM109 != 'ALL' or 'UNMETERED' and REF(TD)02 =</i>	<i>No Change</i>		<i>New Format*</i>

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
			'REFLO' or 'REFAV' (OR) If ASI02 = '001' and NM101 = 'MQ' and NM109 != 'UNMETERED' and REF(TD)02 = 'REFMT' (OR) Optional if ASI02 = '001' and NM101 = 'MQ' and NM109 = 'ALL' and REF(TD)02 = 'REFLO' or 'REFAV'			
REF(MT)02	<i>notNull</i>	<i>No Change</i>	<i>If REF(MT)01 equals 'MT'</i>	<i>No Change</i>		<i>New Format*</i>
REF(NH)01	<i>Not used</i>	<i>No Change</i>	<i>If ASI02 equals '002' or '021' Or if ASI02 equals '001' and NM101 equals 'MR' Or if ASI02 equals '001' and NM101 equals 'MQ' but not changing the Rate Class</i>	<i>No Change</i>		<i>New Format*</i>
REF(NH)01	<i>'NH'</i>	<i>No Change</i>	<i>If ASI02 = '001' and NM101 = 'MQ' and REF(TD)02 = 'REFNH'</i>	<i>No Change</i>		<i>New Format*</i>

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
REF(NH)02	<i>notNull, format 99, padded with zero</i>	<i>notNull, ANSI Compliant, no padding with zero</i>	<i>If REF(NH)01 equals 'NH'</i>	<i>No Change</i>		<i>New Format*</i>
REF(PR)01	<i>Not used</i>	<i>No Change</i>	<i>If ASI02 equals '002' or '021' Or if ASI02 equals '001' and NM101 equals 'MR' Or if ASI02 equals '001' and NM101 equals 'MQ' but not changing the Rate Subclass</i>	<i>No Change</i>		<i>New Format*</i>
REF(PR)01	<i>'PR'</i>	<i>No Change</i>	<i>If ASI02 = '001' and NM101= 'MQ' and REF(TD)02 = 'REFPR'</i>	<i>No Change</i>		<i>New Format*</i>
REF(PR)02	<i>notNull</i>	<i>No Change</i>	<i>If REF(PR)01 equals 'PR'</i>	<i>No Change</i>		<i>New Format*</i>
REF(Q2)01	<i>Not used</i>	<i>No Change</i>	<i>If ASI02 equals '002' or '021' Or if ASI02 equals '001' and NM101 equals 'MR' or 'MQ' Or if ASI02 equals '001' and NM101 equals 'MA': Not required when adding unmetered service devices.</i>	<i>No Change</i>		<i>New Format*</i>

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
REF(Q2)01	'Q2'	No Change	<i>If ASI02= '001' and NM101 = 'MA' and NM109 != 'UNMETERED' and if we have meter read. (OR) If ASI02= '001' and NM101 = 'MX' and if we have meter read.</i>	No Change		New Format*
REF(Q2)02	notNull	No Change	<i>If REF(Q2)01 equals Q2</i>	No Change		New Format*
REF(Q2)03	<i>notNull, See list REF~MT02, excluding "COMBO"</i>	No Change	<i>If REF(Q2)01 equals Q2</i>	No Change		New Format*
REF(Q2)04.C04001	'TU'	No Change	<i>If REF(Q2)01 equals Q2</i>	No Change		New Format*
REF(Q2)04.C04002	'41', '42', '43', '51', or '71'	No Change	<i>If REF(Q2)01 equals Q2</i>	No Change		New Format*
REF(Q3)01	Not used	No Change	<i>If ASI02 equals '002' or '021" Or if ASI02 equals '001' and NM101 equals 'MA' or 'MQ' Or if ASI02 equals '001' and NM101 equals 'MR': Not required when removing unmetered</i>	No Change		New Format*

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
			service devices.			
REF(Q3)01	'Q3'	No Change	If ASI02 = '001' and NM101 = 'MR' and NM109 != 'UNMETERED' (can have multiple but at least one is mandatory) (OR) If ASI02 = '001' and NM101 = 'MX' (can have multiple but at least one is mandatory)	No Change		New Format*
REF(Q3)02	notNull	No Change	If REF(Q3)01 equals 'Q3'	No Change		New Format*
REF(Q3)03	notNull (see REF-MT02 for valid codes) Exclude "COMBO"	No Change	If REF(Q3)01 equals 'Q3'	No Change		New Format*
REF(Q3)04.C04001	'TU'	No Change	If REF(Q3)01 equals 'Q3'	No Change		New Format*
REF(Q3)04.C04002	'41', '42', '43', '51', or '71'	No Change	If REF(Q3)01 equals 'Q3'	No Change		New Format*
REF(OP)01	Not used	No Change	If ASI02 equals '002' or '021' Or if ASI02 equals '001' and NM101	No Change		New Format*

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
			<i>equals 'MR' Or if ASI02 equals '001' and NM101 equals 'MA', 'MX' or 'MQ' but not changing meter ownership (REF-TD-REF0P)</i>			
REF(OP)01	<i>'0P'</i>	<i>No Change</i>	<i>If ASI02 equals '001' and NM101 equals 'MA', 'MX' or 'MQ': Required when changing meter ownership (REF-TD-REF0P)</i>	<i>No Change</i>		<i>New Format*</i>
REF(OP)02	<i>'1', '2', '3', or '4'</i>	<i>No Change</i>	<i>If REF(OP)01 equals '0P'</i>	<i>No Change</i>		<i>New Format*</i>
REF(TD)01	<i>Not used</i>	<i>No Change</i>	<i>If ASI02 equals '002' or '021' Or if ASI02 equals '001' and NM101 equals 'MR'</i>	<i>No Change</i>		<i>New Format*</i>
REF(TD)01 in NM1 Loop	<i>'TD'</i>	<i>No Change</i>	<i>If ASI02 equals '001' and NM101 equals 'MA' or 'MX' and REFTD02 equals 'REFLO', 'REFAV', 'REFNH', 'REFPR' or 'REFTZ' Or if ASI02 equals '001' and NM101</i>	<i>No Change</i>		<i>New Format*</i>

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
			equals 'MQ' *See Comments			
REF(TD)02	'DTM313', 'REF0P', 'REF4P', 'REFAV', 'REFIX', 'REFLO', 'REFMT', 'REFNH', 'REFPRT' or 'REFTZ'	'DTM313', 'REF0P', 'REF4P', 'REFAV', 'REFIX', 'REFLO', 'REFMT', 'REFNH', 'REFPR', 'REFPRT' or 'REFTZ'	If REF(TD)01 equals 'TD'	No Change		New Format*
REF(PRT)01	Not used	No Change	If ASI02 equals '002' or '021" Or if ASI02 equals '001' and NM101 equals 'MX' or 'MQ'	No Change		New Format*
REF(PRT)01	'PRT'	No Change	ASI02 = '001' and NM101 = 'MA' and 'NM109' = 'UNMETERED' (OR) ASI02 = '001' and NM101 = 'MR' and 'NM109' = 'UNMETERED' (OR) ASI02 = '001' and NM101 = 'MQ' and REF(TD)02 = 'REFPRT'	No Change		New Format*

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
REF(PRT)02	'AN', 'AR', 'BB', 'BS', 'CU', 'ED', 'FL', 'HA', 'IN', 'LV', 'MH', 'MV', 'OT', 'PA', 'PB', 'PO', 'PS', 'RR', 'SD', 'TL', 'TR', 'WM' or 'WS'	No Change	If REF(PRT)01 equals PRT	No Change		New Format*
REF(PRT)03	notNull... see comments	No Change	If REF(PRT)01 equals PRT and REF(PR)02 != 'PA' or 'TL' or 'WS', otherwise optional	No Change		New Format*
REF(PRT)04.C 04001	'QQ'	No Change	If REF(PRT)01 equals PRT	No Change		New Format*
REF(PRT)04.C 04002	notNull	No Change	If REF(PRT)01 equals PRT	No Change		New Format*
REF(TZ)01	Not used	No Change	If ASI02 equals '002' Or if ASI02 equals '001' and NM101 equals 'MR' Or if ASI02 equals '001' and NM101 equals 'MQ' and not changing the Meter Reading Cycle (REF-TD-REFTZ)	No Change		New Format*
REF(TZ)01	'TZ'	No Change	If ASI02 = '001' and NM101 = 'MQ' and	If ASI02 = '021' (OR)		New Format*

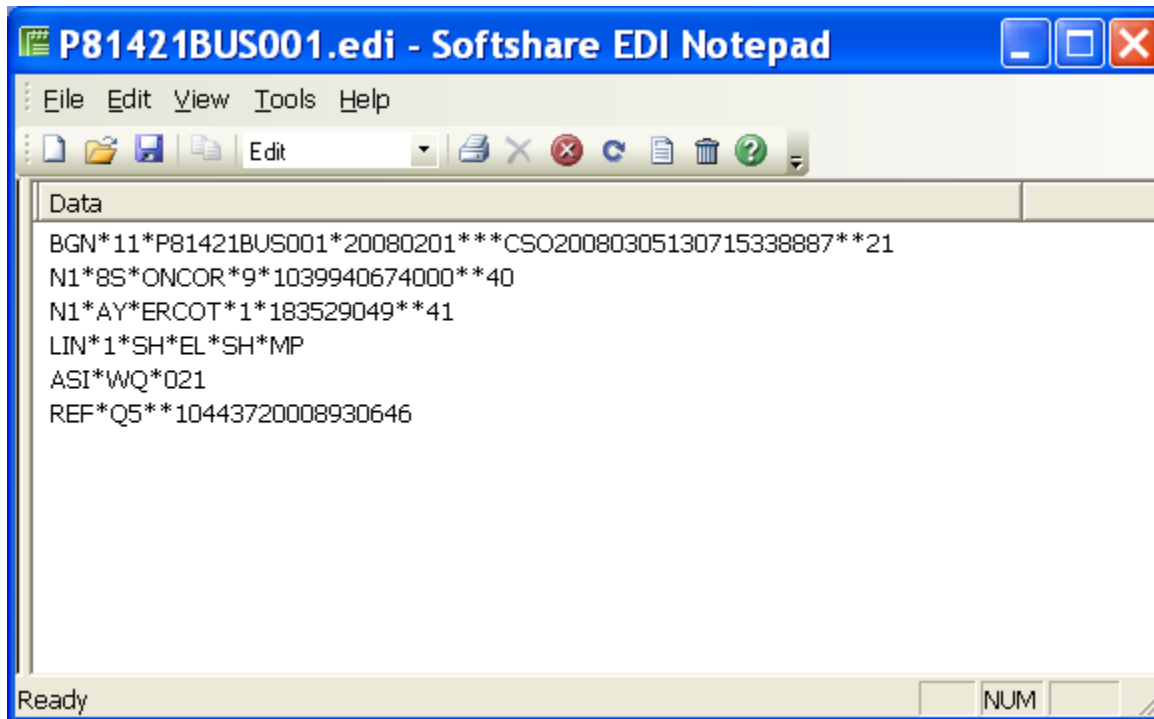
EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Error String (existing)	Error String (new)
			REF(TD)02 = 'REFTZ'	If ASI02 = '001' and NM101 = 'MQ' and REF(TD)02 = 'REFTZ'		
REF(TZ)02	Must be numeric and only two digits	No Change	If REF(TZ)01 equals 'TZ'	No Change		New Format*
DTM(313)01	Not used	No Change	If ASI02 equals '002' Or if ASI02 equals '001' and NM101 equals 'MR' Or If ASI02 equals '001' and NM101 equals 'MQ' and not changing the Meter Cycle by Day of the Month (REF~TD~DTM313)	If ASI02 equals '002' Or if ASI02 equals '021' Or if ASI02 equals '001' and NM101 equals 'MR' Or If ASI02 equals '001' and NM101 equals 'MQ' and not changing the Meter Cycle by Day of the Month (REF~TD~DTM313)		New Format*
DTM(313)01	'313'	No Change	If ASI02 = '001' and NM101 = 'MQ' and REF(TD)02 = 'DTM313'	No Change		New Format*
DTM(313)05	'DD'	No Change	If DTM(313)01 equals '313'	No Change		New Format*
DTM(313)06	Not null Numeric in DD format	No Change	If DTM(313)01 equals '313'	No Change		New Format*

814_21: Create/Maintain/Retire ESI ID Response

Sequence Changes: None

ANSI Validations: ANSI 4010 Standards followed

EDI Sample (Test Case):



```
Data
BGN*11*P81421BUS001*20080201***CSO20080305130715338887**21
N1*8S*ONCOR*9*1039940674000**40
N1*AY*ERCOT*1*183529049**41
LIN*1*SH*EL*SH*MP
ASI*WQ*021
REF*Q5**10443720008930646
```

TxSet Validation Changes: Segments which include changes are highlighted in yellow and the changes are **notated in red font**. ANSI validations are notated in gray font or not shown if they are not needed for completeness.

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Rejection Code (existing)	Rejection Code (new)
BGN01	'11'	No Change				
BGN02	Not Null	Not Null Uppercase letters (A to Z) and digits (0 to 9)				
BGN06	Not Null	Not Null Alphanumeric only - uppercase letters (A to Z) and digits (0 to 9).				
BGN08	'21'	No Change				
N1(8S)01	'8S'	No Change				
N1(8S)02	notNull	No Change				
N1(8S)03	'1' or '9'	No Change				
N1(8S)04	stringLength equals 9	No Change	If N1(8S)03 equals '1'	No Change		
N1(8S)04	stringLength equals 13	No Change	If N1(8S)03 equals '9'	No Change		
N1(8S)06	'40'	No Change				
N1(AY)01	'AY'	No Change				
N1(AY)02	notNull	No Change				
N1(AY)03	'1'	No Change				
N1(AY)04	stringLength equals 9	No Change	If N1(AY)03 equals '1'	No Change		

EDI Field	Allowed Value(s) - existing	Allowed Value(s) - new	Pre-Condition (existing)	Pre-Condition (new)	Rejection Code (existing)	Rejection Code (new)
N1(AY)06	'40'	No Change				
N1(SJ)01	'SJ'	No Change		Optional		N/A
N1(SJ)xx (Add Segments)	'SJ'	No Change		Typical SJ Validation		N/A
LIN02	'SH'	No Change				
LIN03	'EL'	No Change				
LIN04	'SH'	No Change				
LIN05	'IN' or 'MP'	'IN' or 'MP'				
ASI01	'U' or 'WQ'	No Change				
ASI02	'001', '002' or '021'	No Change				
REF(7G)01	'7G	No Change	If ASI02 equals 'U'	No Change		
REF(7G)02	'008', 'A13', 'A76', 'A83', 'ACI', 'ANK', 'API', 'D76', 'DIV', 'DOT', 'DUP', 'LPI', 'MTI' or 'ZIP'	No Change	If REF(7G)01 equals '7G'	No Change		
REF(7G)03	notNull	No Change	If REF(7G)02 equals 'A13'	No Change		
REF(Q5)01	'Q5'	No Change				
REF(Q5)03	notNull	No Change				

APPENDIX A.
New Error Format:

Descriptions

Error messages will be in one of the following four formats.

Invalid Data:

“Error at” <TXSET Loop> + <TXSET Ref Des.> + <[TXSET Data Element]> + <TXSET Segment Qualifier> + “Invalid Data =” <data>

Example:

Error at LIN NM02[89] SJ Invalid data = #\$.~.

Data Length:

“Error at” <TXSET Loop> + <TXSET Ref Des.> + <[TXSET Data Element]> + <TXSET Segment Qualifier> + “Invalid Data Length =” <number>

Example:

Error at LIN NM02[89] SJ “Invalid data length =” 18

Data Type:

“Error at” <TXSET Loop> + <TXSET Ref Des.> + <[TXSET Data Element]> + <TXSET Segment Qualifier> + “Invalid Data Type =” <datatype>

Example:

Error at LIN NM02[89] SJ “Invalid data type =” Alpha-Numeric

IF Reject Code = API

Missing Data:

“Error at” <TXSET Loop> + <TXSET Ref Des.> + <[TXSET Data Element]> + <TXSET Segment Qualifier> + “Data Missing from field”

Example:

Error at LIN NM02[89] SJ “Data missing from field”

APPENDIX B.

Batching:

All transactions of the same type (Registrations, RevenueManagement, or ServiceOrders), with the exception of 867 IDRs, that are being sent to the same Trading Partner (TP) will be batched together into a single Interchange and Group when the outbound EDI is created.

For example, all 650-02s and 650-04s being sent to ACN Energy will be batched together in one Interchange and all 810-02s going to ACN Energy will be batched in a separate Interchange. Similarly, all 814-04/09/13/25/27/28 being sent to ERCOT will be combined in a single EDI Interchange and 867-02/03/04 NonIDR will be batched in a separate EDI Interchange.

All 867 IDR transactions will be scheduled and sent out with the same interval as all other ERCOT-bound transactions, however each 867 IDR transaction will receive its own Interchange and will not be batched together.

As requested, a separate polling process has been setup that will allow the processing of 814-20 Updates to be manually started and stopped. When this polling process is turned on, the 814-20 Updates will be processed and batched together. When the polling process is stopped, 814-20 Updates will still be received from LCIS but they will not be published to BC or sent out to the market. Note: Because 814-20 Updates are sent through this separate process, they will not be batched together with the 814-20 Additions, 814-20 Deletions, or other Registration transactions.

APPENDIX C.

Control Numbers (ISA Control Number):

The decision was made to find the Trading Partner with the highest control number and add 10,000. Apply that number as the new control number for all Trading Partners.