

SOUTHERN CALIFORNIA
EDISON

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IMPLEMENTATION GUIDE

EDI TRANSACTION SET 814 VERSION 4010 UPGRADE AND DASR BUSINESS PROCESS UPDATES

Version 2.0

Southern California Edison

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I. Overview

A. Introduction

This implementation package contains information useful to Energy Service Providers (ESPs) in understanding the new functionality, testing in both comma separated value (CSV) and electronic data interchange (EDI) formats with Southern California Edison (SCE) with the new functionality, as well as other pertinent information.

Implementation of version 4010 of EDI transaction set 814 includes significant changes to the structure of the transaction set, introduction of new codes, and support of new Direct Access Service Request (DASR) business requirements. The business requirements were developed by the California 814 Work Group to achieve consistency across the California deregulated marketplace. SCE has actively participated in this Work Group, formed by representatives of the three California Utility Distribution Companies (UDCs), the Office of Rate Payer Advocates, and several ESPs.

The 814 mapping guide used for this implementation is the official Utility Industry Group (UIG) 814 guide, version 4010, and meets ANSI X12 standards. SCE's implementation is based on the requirements as set forth in the California Direct Access Service Requests and Account Maintenance Data Dictionary. The Data Dictionary has been published via the CPUC exploder lists, and is found with the Rule 22 Work Group information on the CPUC Web Site.

Conversion of EDI transaction set 814 from version 3070 to version 4010 is scheduled for implementation on or about September 18, 1999. At the same time, new business process functionality will be introduced. **The new business processes that have been rolled out as part of the EDI version upgrade are not supported in EDI version 3070. Therefore, only EDI version 4010 will be available to SCE's EDI trading partners after September 18, 1999. DASRs submitted in EDI version 3070 will be rejected.**

SCE will continue to support DASRs via the CSV submission method at this time. It is important to note that ESPs submitting DASRs in CSV format need to be cognizant of the business process updates to minimize the likelihood of DASR rejection.

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II. Implementation Schedule

Start Dates in the schedule below are best available dates at this time, and therefore may be subject to change. SCE will promptly inform ESPs of relevant changes to this schedule.

EDI Version 4010 Upgrade/New Business Functionality Overall Timeline and Important Dates

Activity	Start Date (1999)
• Present Test Plan to OCC	June 1 st
• Integration Test (90 days prior to implementation) <ul style="list-style-type: none">– Manual review of inbound data with limited processing	June 18 th
• ESPs to provide SCE with go/no go decision	July 15 th
• System Test <ul style="list-style-type: none">– Begin end to end testing with ESPs	August 10 th
• If an ESP cannot convert to EDI 4010, notify SCE	Aug 30 th
• ESPs cease submitting EDI DASRs in EDI Version 3070	September 17 th
• Implementation Date <ul style="list-style-type: none">– No rollback options; once implemented, no reverting to EDI 3070	September 18 th
• EDI Production Test <ul style="list-style-type: none">– Two week controlled test environment	September 20 th
• Routine Operations	October 7 th

III. EDI Version 4010 Upgrade and DASR Business Process Updates

A. New Functionality

The following discussion highlights the new functionality introduced as part of implementing version 4010 of EDI transaction set 814, and support of new DASR business requirements. Unless otherwise noted, the new functionality is applicable to DASRs submitted in both EDI and CSV formats.

1. Elimination of ACK Mirroring Response

The initial DASR response (ACK) has been eliminated. The ACK served as a confirmation notification, and mirrored the DASR sent by the ESP.

We will continue to send an initial e-mail response/EDI 997. This acknowledges receipt of the file/transaction.

2. Service Delivery Point (SDP)

In CPUC Decision D98-11-044 (November 19, 1998), the CPUC set forth requirements to establish a unique identifying number that must be assigned to each direct access (DA) service delivery point (SDP).

The format of the SDP is 10 + DOE Code + Unique Identifier (the number is 17 digits in length, not separated by spaces or hyphens) where:

- 10 = fixed 2-digit space reserved for future uses,
- DOE Code = A hard-coded 5-digit Department of Energy Code for SCE. It is 17609,
- Unique Identifier
 - For Metered DA Accounts: 4 + CSS Installed Service Number (ISVC), a 9-digit number, padded with leading zeros where necessary.
 - For Unmetered DA Accounts: 3 + CSS Service Account Number, also a 9-digit number, padded with leading zeros where necessary.

For example:

- For Metered DA Accounts: 1017609[4 + CSS Installed Service Number]
- For Unmetered DA Accounts: 1017609[3 + CSS Service Account Number]

In the CSV format, DASR Field 46, will be renamed Service Delivery Point Number. In the EDI format, Ref 130 Code LU will be used. The SDP will be provided in the SP-ACK, and AS-ACK (for further detail on the AS-ACK see below), for completed CONNECT and DISCONNECT DASRs.

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3. New "After Switch Date" Message

An after switch date message (AS-ACK) has been created for all accepted CONNECT and DISCONNECT DASRs. The after switch date DADR messages would serve as final notification to ESPs to begin or end scheduling power as applicable. The after switch message is initiated as part of the DADR completion process (i.e., once the DADR is completed, the after switch message would be sent one day later). The primary purpose of this message is to provide the final switch date. Message contents are described further in this document.

Existing CSV DADR Field 15 (Effective Start Date) would be used for this purpose). EDI will use DTM position 040.

4. Elimination of MSP/MDMA Default

ESPs had two requests related to the DADR fields specifying MDMA and MSP relationships. First, ESPs indicated these fields should not default to SCE if left blank. If the fields were left blank, ESPs have indicated a preference for the DADR to be rejected.

The following changes have been made:

- blank or invalid fields (MDMA DUNS, or MSP DUNS) are not defaulted in the DADR to SCE, (applies to CONNECT and UPDATE DADR)
- if the fields (MDMA DUNS, or MSP DUNS) are blank or invalid, the DADR will be rejected (applies to CONNECT and UPDATE DADR)
- MDMA DUNS would become a required field and would be validated

Second, ESPs indicated they should not be required to provide the name and DUNS number of an MSP. The DADR process has been revised so that:

- MSP DUNS would become a required field and would be validated; values could either be the ESP's DUNS, SCE's DUNS, or if preferred, an MSP's DUNS.

6. MSP Certification Removal

SCE previously created a process to handle DASRs submitted with uncertified MSPs. ESPs have indicated they have the responsibility for this certification. SCE will no longer provide this check, and therefore, has been eliminated from the DADR process.

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7. Elimination of DASR Warning Messages

ESPs have stated they do not process or review warning messages provided in SCE's DASR responses (ACK). The ESPs primary interest is to know if a DASR is accepted or rejected, and when the customer switch will take place so they may accurately determine when to begin scheduling power. Therefore, these warning messages will no longer be sent.

8. Use of Standard Rejection Messages

SCE currently employs DASR rejection messages that are specific to SCE. ESPs have stated that they receive a variety of rejection messages from each UDC and desire to receive standardized rejection messages. SCE's rejection messages have been replaced with the standardized rejection messages. Refer to the DASR Reject Code List for a list of the codes and SCE specific codes.

9. Revised DASR Scheduling Logic

Current DASR processing is in accordance with 15th of the month scheduling rules. However, to support a minimum standard for switches with no meter changes, a change to the DASR scheduling logic has been made.

Customers switching without a meter change should switch on the next meter read date, provided it is at least five business days from DASR acceptance. This would include DASRs that are in SCHED status and DASRs that have begun the MI process (PENDSCHED status), and determined to not require a meter change.

The new scheduling rule will apply to processing the CONNECT, UPDATE, and DISCONNECT DASR types.

10. Accept 'L' as Billing/Meter Owner Option

Use of 'L' (for LDC) in place of 'U' (for UDC) conforms to standard terminology found in the UIG 814 guide. Therefore, for the Billing Option, acceptable entries are 'E', 'L', 'U', or 'D'. Outbound responses (SP-ACK) would contain 'E', 'L', or 'D', as appropriate. For Meter Owner, acceptable entries are 'C', 'E', 'L', or 'U'. Outbound responses (SP-ACK) would contain 'C', 'E', or 'L', as appropriate.

11. Load Profile Identifier

SCE will provide the SCE load profile identifier in this field in confirmation response messages. The identifier will be L (load profiled) or I (interval or hourly).

It is also important to note that ESPs submitting DASRs prior to the September 18th implementation date, may receive the SP-ACK with new functionality, in EDI Version 4010, and the new AS-ACK message.

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B. Required Fields (CONNECT/CANCEL/UPDATE/DISCONNECT)

Certain data fields previously defaulted or not required, will become required fields as of this implementation. These new requirements are the result of requests from market participants who contributed to the development of the new business processes in the California 814 Work Group. DASR fields required by SCE are identified here. It is also important to note that certain fields required by the California Direct Access Service Requests and Account Maintenance Data Dictionary are not required by SCE.

The required fields for all DASR types are described in the California Direct Access Service Requests and Account Maintenance Data Dictionary.

The table on the following page identifies the required fields for successful DASR submission and acceptance for all DASR types. Also included in this table are highlighted fields (items noted by asterisk) indicating differences between SCE's DASR required fields and the Data Dictionary. ESPs should also note that SCE currently distinguishes between a CANCEL DASR and DISCONNECT DASR. The Data Dictionary has been published via the CPUC exploder lists, and is found with the Rule 22 Work Group information on the CPUC Web Site.

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DASR Required Fields

CSV Field Number	1	3	5	6
EDI Data Element	N/A	N/A	N101-06	REF01-02 POS030
Data Element Name	Record Type	Sender Identifier	Receiver Identifier	Receiver Customer Identifier
CONNECT	Required	Required	Required	Required
CANCEL*	<i>Required*</i>	<i>Required*</i>	<i>Required*</i>	<i>Required*</i>
UPDATE	Required	Required	Required	Required
DISCONNECT	Required	Required	Required	Required

CSV Field Number	12	19	21	22
EDI Data Element	BGN/ASI	N103	LIN01-05	N101-02
Data Element Name	Reason	Pending ESP DUNS	Commodity	Customer Name
CONNECT	Required	Required	Required	Required
CANCEL*	<i>Required*</i>	<i>Required*</i>	-	<i>Required*</i>
UPDATE	Required	Required	Required	Required
DISCONNECT	Required	Required	-	<i>Required*</i>

CSV Field Number	26	29	32	43
EDI Data Element	N301-02	N301-02	N401	REF01-02 POS030
Data Element Name	House/Building Number	Street Name	City	Billing Options
CONNECT	Required	Required	Required	Required
CANCEL*	<i>Required*</i>	<i>Required*</i>	<i>Required*</i>	-
UPDATE	Required	Required	Required	Required
DISCONNECT	<i>Required*</i>	<i>Required*</i>	<i>Required*</i>	-

CSV Field Number	46	60	61	64
EDI Data Element	REF01-02 POS130	REF01-02 POS130	REF01-02 POS130	REF01-02 POS130
Data Element Name	Service Delivery Point	Life Support Required	Meter Owner	MDMA DUNS
CONNECT	Optional	Required	Required	Required
CANCEL*	Optional	-	-	-
UPDATE	Optional	-	Required	Required
DISCONNECT	Optional	-	<i>Required*</i>	-

CSV Field Number	66
EDI Data Element	REF01-02 POS130
Data Element Name	Meter Service Provider DUNS
CONNECT	Required
CANCEL*	-
UPDATE	Required
DISCONNECT	-

*Items noted by asterisk, are differences between SCE's DASR and Account Maintenance Data Dictionary.

Shaded fields are newly required.

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C. New/Revised Messaging (AS-ACK, SP-ACK)

The following provides specific information that ESPs need to be aware of regarding the after switch message (AS-ACK), and revised DASR acceptance response (SP-ACK).

New After Switch Date DASR Message (AS-ACK)

The AS-ACK message will contain:

- the AS-ACK code
- SDP
- Switch Date
- all other information received in the SP-ACK

Revised DASR Acceptance Response (SP-ACK)

ESPs also need to know that new information will be provided in the SP-ACK message.

The new information the SP-ACK message will contain is:

- SDP
- Load Profile identifier will be L (load profiled) or I (interval or hourly).
- and may contain for the Billing Option, the code 'L' (for LDC, which is equivalent to UDC) if UDC Consolidated billing was elected
- and may contain for the Meter Owner the code 'L' (for LDC, which is equivalent to UDC) if SCE was chosen as the meter owner

For specific information regarding the SDP (format, etc.), or other functionality, refer to New Functionality earlier in this document.

D. DASR Reject Code List

The table on the following page identifies the new error codes used in the DASR process. It is important to note that the error code format as well as error contents have changed from SCE's existing process. The codes identified below will be used in the reject message (SP-NAK) for both EDI and CSV outbound DASR responses.

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Reject Code List

VALIDATION	CONNECT	UPDATE	DISCONNECT	CANCEL	PENDING UPDATE
Record Type Valid	N/A	N/A	N/A	N/A	N/A
Sender Identifier Valid	7G-A83-OLD ESP NOT FOUND	7G-A83-OLD ESP NOT FOUND	7G-A83-OLD ESP NOT FOUND	7G-A83-OLD ESP NOT FOUND	7G-A83-OLD ESP NOT FOUND
Receiver Customer Identifier Valid	7G-API-INVALID UDC ACCT NUMBER	7G-API-INVALID UDC ACCT NUMBER	7G-API-INVALID UDC ACCT NUMBER	7G-API-INVALID UDC ACCT NUMBER	7G-API-INVALID UDC ACCT NUMBER
Reason Valid	7G-A83-INVALID REASON CODE	7G-A83-INVALID REASON CODE	7G-A83-INVALID REASON CODE	7G-A83-INVALID REASON CODE	7G-A83-INVALID REASON CODE
Pending ESP DUNS Valid	7G-A83-OLD ESP NOT FOUND	7G-A83-OLD ESP NOT FOUND	7G-A83-OLD ESP NOT FOUND	7G-A83-OLD ESP NOT FOUND	7G-A83-OLD ESP NOT FOUND
Customer Name Match	7G-A77-CUSTOMER MATCH FAILED	7G-A77-CUSTOMER MATCH FAILED	7G-A77-CUSTOMER MATCH FAILED	7G-A77-CUSTOMER MATCH FAILED	7G-A77-CUSTOMER MATCH FAILED
House/Building Number Valid	7G-A83-INVALID HOUSE NUMBER	7G-A83-INVALID HOUSE NUMBER	7G-A83-INVALID HOUSE NUMBER	7G-A83-INVALID HOUSE NUMBER	7G-A83-INVALID HOUSE NUMBER
Street Name Valid	7G-API-BLANK STREET NAME	7G-API-BLANK STREET NAME	7G-API-BLANK STREET NAME	7G-API-BLANK STREET NAME	7G-API-BLANK STREET NAME
City Valid	7G-API-BLANK CITY NAME	7G-API-BLANK CITY NAME	7G-API-BLANK CITY NAME	7G-API-BLANK CITY NAME	7G-API-BLANK CITY NAME
Life Support	7G-API-BLANK LIFE SUPPORT	N/A	N/A	N/A	N/A
Billing Option Valid	7G-FRB-INVALID BILLING OPTION CODE	7G-FRB-INVALID BILLING OPTION CODE	N/A	N/A	7G-FRB-INVALID BILLING OPTION CODE
ESP Agreement Supports Billing Option	7G-FRB-INVALID BILLING OPTION CODE	7G-FRB-INVALID BILLING OPTION CODE	N/A	N/A	7G-FRB-INVALID BILLING OPTION CODE

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VALIDATION	CONNECT	UPDATE	DISCONNECT	CANCEL	PENDING UPDATE
ESP Valid	7G-A84-ESP INVALID	7G-A84-ESP INVALID	7G-A84-ESP INVALID	7G-A84-ESP INVALID	7G-A84-ESP INVALID
ESP Agreement Active	7G-A84-ESP INVALID	7G-A84-ESP INVALID	7G-A84-ESP INVALID	7G-A84-ESP INVALID	7G-A84-ESP INVALID
Meter Owner Valid	7G-A84- INVALID METER OWNER	N/A	7G-A84-INVALID METER OWNER	N/A	7G-A84- INVALID METER OWNER
MDMA Valid	7G-A84- INVALID MDMA	7G-A84- INVALID MDMA	N/A	N/A	7G-A84- INVALID MDMA
MSP Valid	7G-A84- INVALID MSP	7G-A84- INVALID MSP	N/A	N/A	7G-A84- INVALID MSP
Blocked by Pending Account Status	7G-A76-ACCT NOT ACTIVE	7G-A76- ACCT NOT ACTIVE	7G-A76-ACCT NOT ACTIVE	7G-A76-ACCT NOT ACTIVE	N/A
Blocked by No Turn- on Pending for Account	N/A	N/A	N/A	N/A	N/A
Blocked by Closed or Cancelled Account Status	7G-A76-ACCT NOT ACTIVE	7G-A76- ACCT NOT ACTIVE	7G-A76-ACCT NOT ACTIVE	7G-A76-ACCT NOT ACTIVE	7G-A76-ACCT NOT ACTIVE
Commodity	7G-A83- INVALID COMMODITY TYPE CODE	N/A	N/A	N/A	N/A
ESP Registered with CPUC	7G-A83- INVALID ESP REGISTRATIO N NUMBER	7G-A83- INVALID ESP REGISTRATIO N NUMBER	7G-A83-INVALID ESP REGISTRATION NUMBER	7G-A83- INVALID ESP REGISTRATIO N NUMBER	7G-A83- INVALID ESP REGISTRATIO N NUMBER
Update Changes Options	N/A	7G-A83-NO CHANGES REQUIRED	N/A	N/A	7G-A83-NO CHANGES REQUIRED
Location Not Available for Direct Access	7G-A76- LOCATION NOT AVAILABLE FOR DA	N/A	N/A	N/A	N/A
Blocked by Pending DASR	7G-A13- BLOCKED BY PENDING DASR	7G-A13- BLOCKED BY PENDING DASR	7G-A13-BLOCKED BY PENDING DASR	7G-A13- BLOCKED BY PENDING DASR	7G-A13- BLOCKED BY PENDING DASR

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VALIDATION	CONNECT	UPDATE	DISCONNECT	CANCEL	PENDING UPDATE
Billing Option Change for Account with Exceptions	7G-FRB-INVALID BILLING OPTION CODE	7G-FRB-INVALID BILLING OPTION CODE	N/A	N/A	7G-FRB-INVALID BILLING OPTION CODE
Blocked by Turn-off Pending	7G-A76-ACCT HAS TURN-OFF PENDING	7G-A76-ACCT HAS TURN-OFF PENDING	7G-A76-ACCT HAS TURN-OFF PENDING	7G-A76-ACCT HAS TURN-OFF PENDING	7G-A76-ACCT HAS TURN-OFF PENDING
ESP has Sufficient Security	7G-A13-ESP UNDERSECURED BY UDC	7G-A13-ESP UNDERSECURED BY UDC	N/A	7G-A13-ESP UNDERSECURED BY UDC	7G-A13-ESP UNDERSECURED BY UDC
Reject Duplicate Connect DASRs	7G-A13-BLOCKED BY PENDING DASR	N/A	N/A	N/A	N/A
ESP Block for Non-Payment of NEB Charges	7G-A84-SCE SERVICES BLOCKED BY NON-PAYMENT OF SCE FEES	7G-A84-SCE SERVICES BLOCKED BY NON-PAYMENT OF SCE FEES	N/A	7G-A84-SCE SERVICES BLOCKED BY NON-PAYMENT OF SCE FEES	7G-A84-SCE SERVICES BLOCKED BY NON-PAYMENT OF SCE FEES

Legend

Bold text = DASR Required Field

7G - Error
 A03 - Invalid Meter Address/ID
 A13 - Other
 A76 - Invalid UDC Account Number
 A77 - Invalid Customer Name
 A82 - Invalid Customer Address
 A83 - Invalid Transaction Type
 A84 - Invalid Relationships
 API - Invalid Required Information
 D30 - Invalid Billing/Metering Package Options
 DIV - Invalid Date
 FRB - Invalid Billing Option

E. DASR Assistant

SCE's DASR Assistant is a user-friendly graphical user interface (GUI) tool designed to assist ESPs in creating and managing DASRs in Comma Separated Value (CSV) format for customers in SCE's service territory. This version of the DASR Tool has been revised to include the required field usage to ensure that DASRs are submitted completely and minimize DASR rejection. This software will only work on PCs running Windows 95 or Windows NT Operating System.

SCE's DASR Tool is currently available at SCE's Electric Service Provider Information web page (<http://www.sce-esp.com/>). Scroll down the page to the heading, Data Exchange Guides and Tools. From there, both the New DASR Assistant for Win95/NT, and accompanying instructions are available. Program requirements, installation directions, as well as other helpful information regarding the DASR Assistant and its features, are also described.

IV. CSV

A. Field by Field Matrix

ESPs submitting DASRs in CSV format need to be familiar with the 75 DADR fields, and their data requirements (refer to the list contained in DADR Required Fields for a complete description).

ESPs interested in submitting CSV DASRs can do so in two ways:

1. Create a template using a spreadsheet program or text file application such as Notepad
2. Use the DADR Assistant Tool developed by SCE to assist ESPs to create DASRs (available at SCE's Electric Service Provider Information web page (<http://www.sce-esp.com/>))

RSIF Field No	Data Element Name	Data Element Description	Type	Maximum Size	Field Usage
1	Record Type	The code that identifies this record as a DADR (Administrative data type 1). This must always be: MEPAD01 (The last two characters are numeric).	C	8	R
2	Record Version	This field will be 19971101 ; this value indicates the DADR version currently approved by the CPUC. This field may be changed if a new DADR format is adopted in the future. (Format is YYYYMMDD)	C	8	O
3	Sender Identifier	This field identifies the entity sending the DADR using a nine digit Dun & Bradstreet (DUNS) number. If, for example, an ESP uses a third-party to send DASRs through e-mail to SCE, the DUNS number of the third-party should be entered in this field. ESPs should note that when they receive a DADR response from SCE, this field will contain the DUNS number of SCE. The DUNS number of the original sender (the third party in the example above) will now appear in Field 5.	I	9	R
4	Sender Customer Identifier	An ESP may choose to give each Direct Access account an individual account number to be used within the ESP's information system for accounting and/or tracking purposes. Field 4 allows ESPs to include this account number as part of the DADR. ESPs should note that when they receive a DADR response from SCE, this field will now hold the SCE service account number for the customer, as described in Field 6. The ESP's internal account number will now appear in Field 6.	C	20	O
5	Receiver Identifier	This field identifies the receiver of a DADR using a DUNS number. For ESPs completing and sending DASRs, the receiver will be SCE, or 006908818. ESPs should note that when SCE sends a DADR response, the DUNS number of the ESP – now the receiver – will appear in this field. The DUNS for SCE – the sender – will appear in Field 3.	I	9	R
6	Receiver Customer Identifier	This field identifies the end-use customer switching to Direct Access, using the customer's service account number (or the CIS account number) within SCE's system.	C	20	R

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RSIF Field No	Data Element Name	Data Element Description	Type	Maximum Size	Field Usage
		ESPs should note that when SCE sends a DADR response, the ESP becomes the receiver. As such, the number originally inserted by the ESP in Field 4 will now appear in this field. SCE's account number will now appear in Field 4 because it is now the sender.			
7	Time Stamp	This field is a timestamp for the individual DADR currently being created. The format is YYYYMMDDHHMM. ESPs should note that when SCE sends a DADR response, a new timestamp will be inserted.	C	12	O
8	Record ID	This field should be an identification number for the individual DADR being created. This field could, for example, be used by an ESP to distinguish between multiple DADRs sent for an individual customer.	C	20	O
9	Operation Type	ESPs sending DADRs to SCE must enter " SP-REQ " in this field. ESPs should note that the information in this field will change for DADR responses from SCE. Once the DADR is processed, SCE will send DADR responses to the ESP, and will include one of the following messages in the field: SP-NAK, SP-ACK, or AS-ACK. SP-NAK – This code informs an ESP that SCE has rejected the DADR. SP-ACK – This code informs an ESP that the DADR has been confirmed. Two kinds of confirmations may be sent: a confirmation/schedule, and a confirmation/pending. A confirmation/schedule will indicate the effective start date in Field 15 of the DADR response message, or may include messages concerning CANCEL, UPDATE, and DISCONNECT DADRs in Field 13. A confirmation/pending will indicate that a DADR is pending due to a meter investigation; this message will be included in Field 13. AS-ACK – This code informs an ESP that the DADR has been switched to DA status, or returned to bundled UDC service.	C	8	O
10	Service Relationship Count	Number of service relationships described in Field 11	I	2	O
11	Type of Service Relationship	Type of service relationships that the entity in Field 19, the new ESP, will be performing, options are: ELEC-ESP, Meter-Reader, Meter-Owner, and/or Meter-Installer.	C	256	O
12	Reason	In this field, an ESP defines the reason for sending the DADR. Reasons include: CONNECT, CANCEL, DISCONNECT, or UPDATE. <ul style="list-style-type: none"> To connect a customer to Direct Access, or switch a customer from one ESP to another ESP, an ESP should select CONNECT. To cancel a DADR up to 3 business days before a customer's scheduled switch date, an ESP should select CANCEL. To return a customer to bundled service with SCE, an ESP should select DISCONNECT. An ESP may want to change certain options for customers that have already been switched to Direct Access. These include metering options and billing option. To change these options, an 	C	12	R

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RSIF Field No	Data Element Name	Data Element Description	Type	Maximum Size	Field Usage
		ESP should select UPDATE.			
13	Comment	SCE will use this field to provide ESPs with comments about the cause for DASR rejections. Refer to the Reject Code List for a list of reject codes.	C	256	E
14	UDC Account Number for ESP	A customer account number assigned to each ESP by Edison. This field is not in use at this time.	C	9	E
15	Effective Start Date	This field will be used in two ways. First, ESPs may at some point in the future be allowed to select a specific start date for switching a customer to Direct Access. This option is not available to ESPs at this time. Second, in DASR confirmation messages (SP-ACK) SCE will insert the scheduled DA switch date in this field.	D	12	E
16	Effective End Date	This field will be used in two ways. First, ESPs may at some point in the future be allowed to select a specific end date for terminating Direct Access service to a customer. This option is not available to ESPs at this time. Second, SCE will use this field to inform the ESP of the DA termination date for a customer. This will occur if: (1) the ESP submitted a DISCONNECT DASR; (2) a different ESP submitted a CONNECT DASR, therefore indicating that the customer has decided to switch ESPs; (3) a customer called SCE requesting to return to bundled service.	D	12	E
17	Account Status	ESPs submitting DASRs should enter "NEW" in this field. ESPs may also enter "MOVING" for DASRs being submitted for customers that are already participating in Direct Access but are moving to a new location. DASR response messages will contain other codes in this field. For rejections, and confirmation/scheduled responses, SCE will enter "OK". For confirmation/pending responses, SCE will enter "PENDING".	C	15	O
18	Pending Status	A status (from among options in Field 17) that SCE will use to inform the ESP that an account status will change soon. This field is not in use at this time.	C	15	E
19	Pending ESP DUNS	This field must contain the nine digit DUNS number of the ESP who will be serving the customer.	I	9	R
20	Reading Estimation Method	This field allows ESPs to enter the meter estimation rules to be followed by the MDMA. At this time, this field can be left blank.	C	8	O
21	Commodity	This field identifies the commodity that will be supplied by the ESP to the end-use customer. Options include: E-Electric, G-Gas, W-Water, or S-Steam. In the SCE service territory, the only acceptable option at this time is "E".	C	1	R
22	Customer Name	In this field, ESPs must enter the name of the end-use customer. For residential customers, the data should be entered as: Last Name First Name.	C	30	R
23	Contact Last Name	In this field, ESPs can enter the last name of the end-use customer.	C	30	O
24	Contact First Name	In this field, ESPs can enter the first name of the customer contact.	C	30	O
25	Contact Middle Initial	In this field, ESPs can enter the middle initial of the customer contact.	C	1	O

Implementation Guide

RSIF Field No	Data Element Name	Data Element Description	Type	Maximum Size	Field Usage
26	House/Building Number	In this field, ESPs must enter the house/building number of the service account address switching to Direct Access. This address is available on the customer's current SCE bill.	C	6	R
27	House/Building Fraction Number	In this field, ESPs can enter the house/building fraction number of the service account address switching to Direct Access.	C	3	O
28	Street Prefix Code	In this field, ESPs can enter the street prefix code of the service account address switching to Direct Access.	C	2	O
29	Street Name	In this field, ESPs must enter the street name of the service account address being enrolled.	C	25	R
30	Street Suffix Code	In this field, ESPs can enter the street suffix of the service account address being enrolled.	C	4	O
31	Unit Number	In this field, ESPs can enter the unit number of the service account address being enrolled.	C	8	O
32	City	In this field, ESPs must enter the city of the service account address that is being enrolled.	C	25	R
33	State	In this field, ESPs must enter the state of the service account address that is being enrolled.	C	2	R
34	Country	In this field, ESPs can enter the country of the service account address being enrolled.	C	5	O
35	ZIP	In this field, ESPs must enter the zip code of the service account address that is being enrolled.	C	5	R
36	ZIP Extension 4	In this field, ESPs can enter the 4 digit extension zip code of the service account being enrolled.	C	4	O
37	ZIP Extension 2	In this field, ESPs can enter the two digit US zip code extension which further defines the 4 digit zip code extension of the service account address being enrolled.	C	2	O
38	Standard Time Zone	Minutes + or - from UTC time to local standard time (Value must be numeric with a required leading sign. (M or -, P or +)). This field is not in use at this time.	I	5	O
39	Daylight Time Zone	Minutes + or - from UTC time to local daylight savings time (Value must be numeric with a required leading sign (M or -, P or +)). This field is not in use at this time.	I	5	O
40	Distribution Loss Designator	ESPs can use this field to define the method used in calculating the distribution line loss for the purposes of forecasting power purchases.	C	4	E
41	Meter Congestion Zone	ESPs can use this field to enter an ISO meter congestion zone. At this time, the only zone identifier within the SCE territory is "SCE 1"	C	8	O
42	Usage Profile	SCE will provide the SCE load profile identifier in this field in confirmation response messages.	C	8	E
43	Billing Options	ESPs must enter the billing option they intend to offer to the end-use customer in this field. Options include: D - dual billing; U - UDC consolidated billing; L - UDC consolidated billing; E - ESP consolidated billing.	C	1	R
44	UDC Rate Name	SCE will provide ESPs the DA customer's rate schedule in this field in confirmation response messages.	C	12	E
45	SP Rate Name	The ESP Rate Schedule which applies to the end-use customer for which the DASR has been submitted (applies to UDC Consolidated Billing). This field is not in use at this time.	C	12	O
46	Service Delivery Point Number	The SDP is the end point of the UDC's electric distribution network, to which energy is delivered by the UDC to an end-use customer.	C	17	E

Implementation Guide

RSIF Field No	Data Element Name	Data Element Description	Type	Maximum Size	Field Usage
47	Phone Area Code	In this field, ESPs can enter the customer contact's US phone area code.	C	4	O
48	Phone Number	In this field, ESPs can enter the customer contact's US phone number.	C	7	O
49	Phone Extension	In this field, ESPs can enter the customer contact's US phone extension	C	5	O
50	FAX Number	In this field, ESPs can enter the customer contact's fax number	C	16	O
51	Renewable Energy Provider	The CPUC allows certain ESPs to claim Renewable Energy Provider status. For those ESPs claiming this status, a "Y" (yes) can be entered in this field. Otherwise, a "N" (no) can be entered.	C	1	O
52	Meter Count	In this field, ESPs can enter the number of meters in Field 53. This field is not in use at this time.	I	2	E
53	Meter ID	In this field, ESPs can enter the meter identification. This includes meter number, usage reading interval, and units parameter. This field is not in use at this time.	C	400	E
54	ESP Registration Number	In this field, ESPs can enter the pending ESP's registration number, as assigned by CPUC.	I	5	O
55	ESP Renewable Certification ID	In this field, ESPs can enter the ESP Renewable Certification ID number, if applicable and as assigned by CPUC, for the ESP that will be gaining the direct access customer for which the DASR has been submitted.	C	12	O
56	Metering Service Option	In this field, ESPs can enter the metering servicing option for the account for which this DASR has been submitted, options are: P-Load profiled, I-Interval or hourly meter.	C	1	O
57	Customer Acknowledgment of CTC Obtained	In this field, ESPs state whether they have obtained acknowledgment from the customer of knowledge of Competition Transition Cost. This field can be entered with a "Y" (yes) or "N" (no).	C	1	O
58	IVA Required	In this field, ESPs can indicate whether an Independent Verification Agent is required for the customer intending to switch to Direct Access.	C	1	O
59	IVA Obtained	In this field, ESPs can indicate whether the ESP has obtained an Independent Verification Agent.	C	1	O
60	Life Support Required	In this field, ESPs must indicate whether the customer requires life support systems at the service address. ESPs must enter "Y" (yes) or "N" (no).	C	1	R
61	Meter Owner	In this field, ESPs must indicate who will own the meter. Options include: C-Customer, E-ESP, U-UDC, L-LDC.	C	1	R
62	Meter Owner DUNS	In this field, ESPs can indicate the D&B number of the entity owning the meter, as applicable, described in Field 61.	I	9	O
63	Meter Owner ID	In this field, ESPs can enter the ticker symbol of the entity owning the meter, as applicable, described in Field 61.	C	4	O
64	MDMA DUNS	In this field, ESPs must enter who will serve as the Meter Data Management Agent for the customer, identified using a DUNS number.	I	9	R
65	MDMA ID	In this field, ESPs can enter the ticker symbol of the entity serving as the meter data management agent described in Field 64.	C	4	O
66	Meter Service Provider DUNS	In this field, ESPs must enter who will serve as the Meter Service Provider for the customer, identified using a DUNS number. Acceptable DUNS numbers include the ESP's DUNS, SCE's DUNS, or MSP's	I	9	R

Implementation Guide

RSIF Field No	Data Element Name	Data Element Description	Type	Maximum Size	Field Usage
		DUNS.			
67	Meter Service Provider ID	In this field, ESPs can enter the ticker symbol of the entity serving as the Meter Service Provider described in Field 66.	C	4	O
68	SSN/EIN	In this field, ESPs can enter the Social Security Number or Employer ID Number of the customer or customer contact.	C	9	O
69	DL State/Number	In this field, ESPs can enter the drivers license number of the customer or customer contact. (Format is SSNNNNNNNNNNNN where SS is the state abbreviation and N...N is the number)	C	14	O
70	Second Party's Name	In this field, ESPs can enter the second party's name (in cases of multiple purchasers)	C	30	O
71	Cycle Number	In this field, ESPs will receive SCE's meter read cycle number	C	2	E
72	Second Party's DL State/Number	In this field, ESPs can enter the drivers license number of the second party (Format is SSNNNNNNNNNNNN where SS is the state abbreviation and N...N is the number).	C	14	O
73	Sender ID	In this field, ESPs can enter the ticker symbol for the entity sending the DASR. ESPs should note that in DASR response messages sent by SCE, this field will contain the ticker symbol "SCE".	C	4	O
74	Receiver ID	In this field, ESPs can enter the ticker symbol for SCE if the ESP is sending the DASR to SCE. ESPs should note that in DASR response messages sent by SCE, this field will contain the ticker symbol for the sender as entered in Field 73 of the DASR sent originally to SCE.	C	4	O
75	Pending ESP ID	In this field, ESPs can enter the ticker symbol for the ESP who will become the electric service provider.	C	4	O

To assist in reading the table, please note the following:

- Shaded fields (54 through 75) are SCE-added fields; all others are RSIF fields.
- Type of data element (Type)
 - C is Character
 - I is Integer
 - D is Date Time
- Requirements for including a value in the field when submitting a DASR (Field Usage)
 - R is Required
 - O is Optional
 - E is SCE Use Only

V. Transition to EDI 4010

A. EDI Transaction Set Information

SCE will use the UIG guideline for Transaction Set 814 Version 4010 for all EDI DASR requests and responses. The UIG mapping guide may be found on the UIG web site: <http://www.uig.org/frmGuideline.asp>.

The following identify significant differences and clarification of requirements between versions 3070 and 4010:

- PER in the N1 Loop in the Header is optional. Currently, there is no functionality associated with the data found in this segment. Population of the field will not result in a rejected transaction.
- Zip codes - Five digits, and five plus four are acceptable zip code formats.
- DUNS numbers - Nine digit DUNS, and DUNS plus four are acceptable DUNS formats.
- Billing Option - REF 030 - Code BLT: Acceptable REF02 entries are: E, L, U, D or ESP, LDC, UDC, DUAL. Outbound responses are: ESP, LDC, or DUAL. Use of LDC, or L, in place of UDC, or U conforms to standard terminology found in the UIG 814 guide. A DUNS number is not required in REF03.
- LIN04/05: Use of LIN04 = SH and LIN05 = CE is consistent across all transactions to satisfy UIG Must Use requirements.
- NM1: NM101 = MQ and NM102 = 1, 2 or 3. This is consistent across all transactions to satisfy UIG Must Use requirements.
- Life Support - REF 130 - CODE SU: Y and N are valid fields for REF02. Investigating (I), found in the UIG guide is not used in California.
- Usage Calculation Code in DASR Response messages - REF 130 - Code 91: Valid values for REF02 are I = Interval and L = Load Profile. ** Note: This field is designated as a required field in the DASR Connect/Update section found in the California Direct Access Service Requests and Account Maintenance Data Dictionary. However, this is not a required field for SCE on transactions inbound to the utility.
- Rate Schedule - REF 130 - Code NH: The UDC rate schedule for the account is provided in Response messages.
- Load Profile - REF 130 - Code LO: The UDC Load Profile ID is provided in Response messages. **Note: Refer to Chapter 16 in the SCE ESP Direct Access Kit for Valid Load Profile Id's and associated Rate Schedules.
- MDMA - REF 130: Code 7E = MDMA. MDMA DUNS number is required in REF02.
- Meter Service Provider (MSP) - REF 130: Code VA = Meter Maintainer. This is used to indicate the MSP in the California Marketplace. SCE or ESP DUNS is required in REF02 to satisfy SCE validation requirements. Specific MSP DUNS numbers are not required.

Implementation Guide

A. EDI Transaction Set Information (Cont.)

- Meter Owner - REF 130 - Code V9: Valid REF02 codes are C = CUSTOMER, E = ESP, L = LDC (Utility). A DUNS number is not required for meter owner.
- Distribution Loss Designator - REF*D8 - Outbound responses are: SEC, PRI, or SUB

B. EDI 814 4010 Version Tutorials

SCE has developed EDI 814 Tutorials to assist ESPs in submitting DASRs in EDI 4010 version. The tutorials are based on the 4010 version, and contain the necessary elements to ensure that DASRs are successfully submitted/accepted. The new business processes rolled out as part of the EDI version 4010, are not supported in EDI version 3070. **Therefore, only EDI version 4010 will be available to SCE's EDI trading partners after implementation.**

The following tutorials are provided in this guide:

CONNECT Request/Response (SP-ACK)

Example 1 - Transaction Set used as a Customer Enrollment Request from an ESP to an LDC for a Routine Domestic Account

Example 2 - Transaction Set used as a Response to an Enrollment Request (Example 1) for a Domestic Account from an LDC to an ESP

Example 3 - Transaction Set used as a Customer Enrollment Request from an ESP to an LDC for a Commercial/Industrial Account

Example 4 - Transaction Set used as a Response to an Enrollment Request (Example 3) for a Commercial/Industrial Account from an LDC to an ESP

After Switch Response (AS-ACK)

Example 5 - Transaction Set used as Post DA Switch Confirmation Response to an Enrollment Request (Example 3) for a Commercial/Industrial Account from an LDC to an ESP

Rejection Response (SP-NAK)

Example 6 - Transaction Set used as a Customer Enrollment Request from an ESP to an LDC for a Routine Domestic Account. Customer Address is incorrect and Request will be Rejected

Example 7 - Transaction Set used as a Reject Response to an Enrollment Request (Example 6) for a Domestic Account from an LDC to an ESP

DISCONNECT Request

Example 8 - Transaction Set used as a Customer Disconnect Request from an ESP to an LDC

UPDATE Request/Response (SP-ACK)

Example 9 - Transaction Set used as an Update Request from an ESP to an LDC for a Routine Domestic Account

Example 10 - Transaction Set used as a Response to an Update Request (Example 9) for a Domestic Account from an LDC to an ESP

Implementation Guide

CANCEL Request

Example 11 - Transaction Set used to Cancel a Pending Customer Enrollment Request from an ESP to an LDC for a Routine Domestic Account

DISCONNECT Response (AS-ACK and SP-ACK)

Example 12 - Transaction Set used as a Response to a Disconnect Request (Example 8) from an LDC to an ESP

Example 13 - Transaction Set used as a Response to a Disconnect Request (Example 8) from an LDC to an ESP

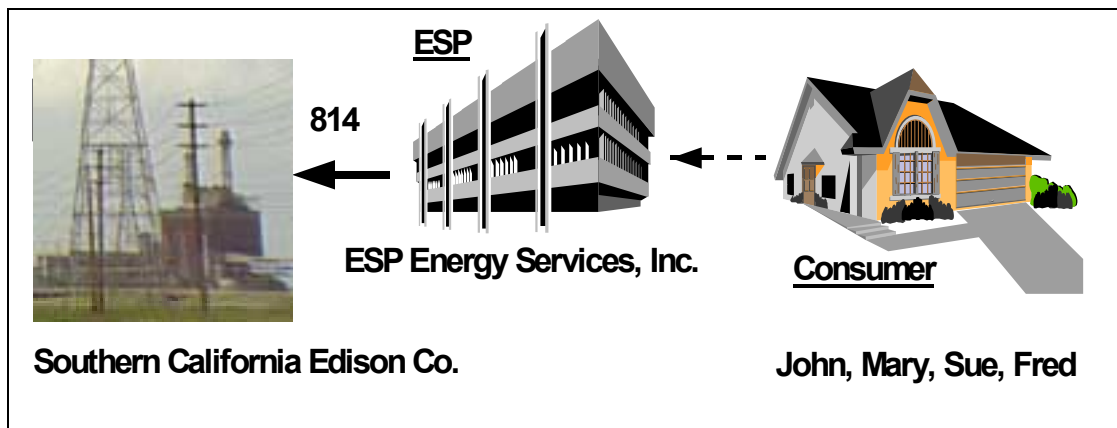
Example 1 - Transaction Set used as a Customer Enrollment Request from an ESP to an LDC for a Routine Domestic Account

Example 1 - Business Scenario

Southern California Edison Co. is the Electric Utility Distribution Company (LDC) providing transmission and distribution services. ESP Energy Services, Inc. is an Energy Service Provider (ESP) providing consumers with Electric Energy. They use the Utility (LDC) consolidated billing option to bill their customers, and various providers of unbundled services. ESP Energy Services, Inc. has several customers, Mary Q. Smith, Sue Parks & Fred Jones. John E. James contacted ESP Energy Services and requested that he become one of their customers.

Example 1 - Transaction Scenario

ESP Energy Services creates an EDI 814 and sends it to Southern California Edison who is the LDC for John James. The EDI 814 is structured as an Enrollment Request (California - DASR Connect). The 814 notifies the LDC of the customer enrollment and specifies the billing option and unbundled services providers, or relationships. This example shows minimum required data.



Example 1 - Transaction Participant Information

Transaction Receiver	LDC	Southern California Edison Co	DUNS: 006908818
Transaction Sender	ESP	ESP Energy Services, Inc	DUNS: 072566006
Service Requested for	End Use Consumer	John E James	
Unbundled Services:	Meter Owner	Customer Owned	
	Meter Reader 'MDMA'	Magic Meter Reading Services	DUNS: 333456789
	Meter Maintainer 'MSP'	Super Meter	DUNS: 223456789

Implementation Guide

Example 1 - Transaction Purpose Information

The details of the transaction are summarized as follows:

Header

- Transaction Set Purpose
- Transaction Set Identification, and Time and Date of the Transaction
- Sender and Receiver and associated DUNs numbers
- End customer name and address

Detail

The Detail level of the 814 contains further clarification / identification of the transaction set purpose, and both the LDC and ESP Account Numbers assigned to the account. The Detail contains other specific information about the account such as the Unbundled Service Participants DUNs Numbers. It also contains other items of required information.

Summary

The summary provides an EDI control value - "Number of Segments in the Transaction"

Implementation Guide

Example 1 - Transaction Mapping Structure Explanation Listing

--Segments: Description

Header Information (Table 1) Information on the Transaction Level

ST*814*000000321: The ST is the start of the 814 Transaction Set with a control Number of 000000321
BGN*13* 0000011328*19980714*092609*PT: The BGN identifies the transaction purpose to be a Request, and identifies this transaction with a unique reference number of 0000011328. It further specifies the date and time of the transaction as July 14,1998 at 9:26:09 AM Pacific Time expressed in HHMMSS.

N1*SJ*ESP ENERGY SERVICES INC*1*07256600641:** ESP Energy Services is the Energy Services Provider in the Supply Process. ESP Energy Services has a DUNS Identification Number of 072566006 and is the submitter of the Transaction

N1*8S*SOUTHERN CALIFORNIA EDISON CO*1*00690881840:** Southern California Edison is the Local Distribution Company in the Energy Supply Process. Southern California Edison has a DUNS Identification Number of 006908818 and is the receiver of the transaction.

N1*8R*JOHN E JAMES: The end use customer is John E. James

N3*371 LAKESIDE DRIVE: The end use customer address is 371 Lakeside Drive

N4*PALM SPRINGS*CA*922641234: The Location is in Palm Springs, CA Zip+4 = 92264-1234

Detail Information (Table 2) Information on the Account and Meter Level

LIN*00001*SH*EL*SH*CE: The LIN identifies this item within this transaction with a reference number of 00001. It identifies Electric Service and a Request.

ASI*7*021:This clarifies the transaction as a request to start Direct Access Services

REF*11*ESP123-9999: ESP Energy Services Account Number for John E James is ESP123-9999.

REF*12*3004402245: Southern California Edison Service Account Number for John E James is 3-004-4022-45.

REF*BLT*LDC: Southern California Edison (LDC) will issue Consolidated Billing to John E James.

NM1*MQ*3: This is a constant to satisfy EDI guideline requirements

REF*VA*223456789: The DUNS # 223456789 identifies Super Meter as the MSP

REF*VE*333456789: The DUNS # 333456789 identifies Magic Meter Reading as the MDMA

REF*V9*C: C identifies the Customer as the meter owner

REF*SU*Y: Life Support is required for this customer

REF*91*L: This account is Load Profile

Trailer Information (Table 3) Information on a Transaction Summary Level

SE*19*000000321: Transaction Set Control Number 000321 has 19 EDI Segments

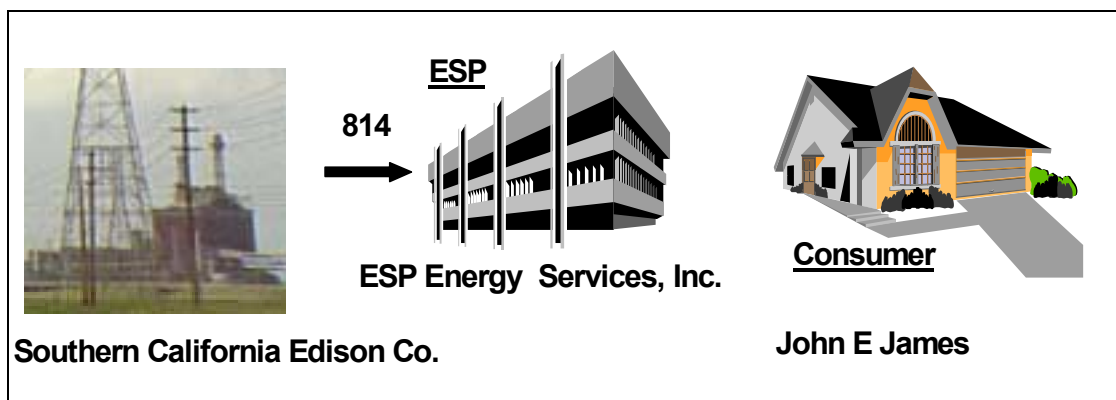
Example 2 - Transaction Set used as a Response to an Enrollment Request (Example 1) for a Domestic Account from an LDC to an ESP

Example 2 - Business Scenario

Southern California Edison Co. an Electric Distribution Company (LDC) who provides transmission and distribution services, has received an Enrollment Request from ESP Energy Services, Inc. for their Customer, John E. James. Southern California Edison notifies ESP Energy Services of the status of the enrollment request. The Request is accepted and the switch date determined as the customer is Load Profiled.

Example 2 - Transaction Scenario

Southern California Edison creates an EDI 814 and sends it to ESP Energy Services, Inc. confirming acceptance of the enrollment request, and providing the switch date. The EDI 814 is structured as a Status Notification Accept. The 814 is a confirmation to the ESP of the customer enrollment as submitted. This is a Response to the Request in Example 1.



Example 2 - Transaction Participant Information

Transaction Sender	LDC	Southern California Edison Co	DUNS: 006908818
Transaction Receiver	ESP	ESP Energy Services, Inc	DUNS: 072566006
Service Requested for	End Use Consumer	John E James	
Unbundled Services:	Meter Owner	Customer Owned	
	Meter Reader 'MDMA'	Magic Meter Reading Services	DUNS: 333456789
	Meter Maintainer 'MSP'	Super Meter	DUNS: 223456789

Implementation Guide

Example 2 - Transaction Purpose Information

The details of the transaction are summarized as follows:

Header

- Transaction Set Purpose
- Transaction Set Identification, and Time and Date of the Transaction
- Sender and Receiver and associated DUNs numbers
- End customer name and address

Detail

The Detail level of the 814 contains further clarification / identification of the transaction set purpose, and both the LDC and ESP Account Numbers assigned to the account. The Detail contains other specific information about the account such as the Unbundled Service Participants DUNs Numbers. It also contains other items of required information.

Summary

The summary provides an EDI control value - "Number of Segments in the transaction"

Implementation Guide

Example 2 - Transaction Mapping Structure Explanation Listing

-- Segments: Description

Header Information (Table 1) Information on the Transaction Level

ST*814*000000445: The ST is the start of the 814 Transaction Set with a control Number of 000000445
BGN*11*19980715092614*19980715*092614*PT*0000011328: The BGN identifies the transaction purpose to be a Response to EDI Request 0000011328 for an Enrollment Request (DASR Connect), and identifies this transaction with a unique reference number of 19980715092614. It further specifies the date and time of this transaction as July 15, 1998 at 09:26:14 PM Pacific Time expressed in HHMMSS.

N1*8S1*006908818**41:** Southern California Edison is the Local Distribution Company in the Energy Supply Process. Southern California Edison has a DUNS Identification Number of 006908818 and is the sender of the transaction.

N1*SJ1*072566006**40:** ESP Energy Services is the Energy Services Provider in the Supply Process. ESP Energy Services has a DUNS Identification Number of 072566006 and is the receiver of the Transaction

N1*8R*JOHN E JAMES: The end use customer is John E. James

N3*371 LAKESIDE DRIVE: The end use customer address is 371 Lakeside Drive

N4*PALM SPRINGS*CA*922641234: The Location is in Palm Springs, CA Zip+4 = 92264-1234

Detail Information (Table 2) Information on the Account and Meter Level

LIN*00001*SH*EL*SH*CE: The LIN identifies this item within this transaction with a reference number of 00001. It identifies Electric Service and a Request.

ASI*WQ*021: This indicates the transaction is an acceptance of the DASR in Example 1.

REF*11*ESP123-9999: ESP Energy Services Account Number for John E. James is ESP123-9999.

REF*12*3004402245: Southern California Edison Account Number for John E. James is 3-004-4022-45.

REF*BLT*LDC: Southern California Edison (LDC) will issue Consolidated Billing to John E. James.

REF*H5*N: Renewable energy is not provided

REF*KO*N: Customer acknowledgement of CTC is not obtained

DTM*007**D8*19980814:** The switch date to ESP Energy Services, Inc. is confirmed to be August 14, 1998

NM1*MQ*3: This is a constant to satisfy EDI guideline requirements

REF*SU*Y: Life Support is required for this customer

REF*91*L: Customer is Load Profile

REF*V9*C: Customer Owned Meter

REF*VE*333456789: The DUNS # 333456789 identifies Magic Meter Reading as the MDMA.

REF*VA*223456789: The DUNS # 223456789 identifies Super Meter as the MSP

REF*LU10176094123456789:** The SDP Number "10176094123456789" has been assigned by the LDC

REF*D8*SEC: The Distribution Loss designator is Secondary (SEC)

REF*NH*DOMESTIC DIRECT ACCESS The Domestic Rate Schedule Tariff applies to this Direct Access account

REF*LO*DOMESTIC: Load Profile ID is Domestic

REF*ZW*SCE1: This identifies Edison's Zone

REF*TZ*51: This indicates "51" is the meter read cycle number

Trailer Information (Table 3) Information on a Transaction Summary Level

SE*27*000000 445: Transaction Set Control Number 000445 has 27 EDI Segments

Implementation Guide

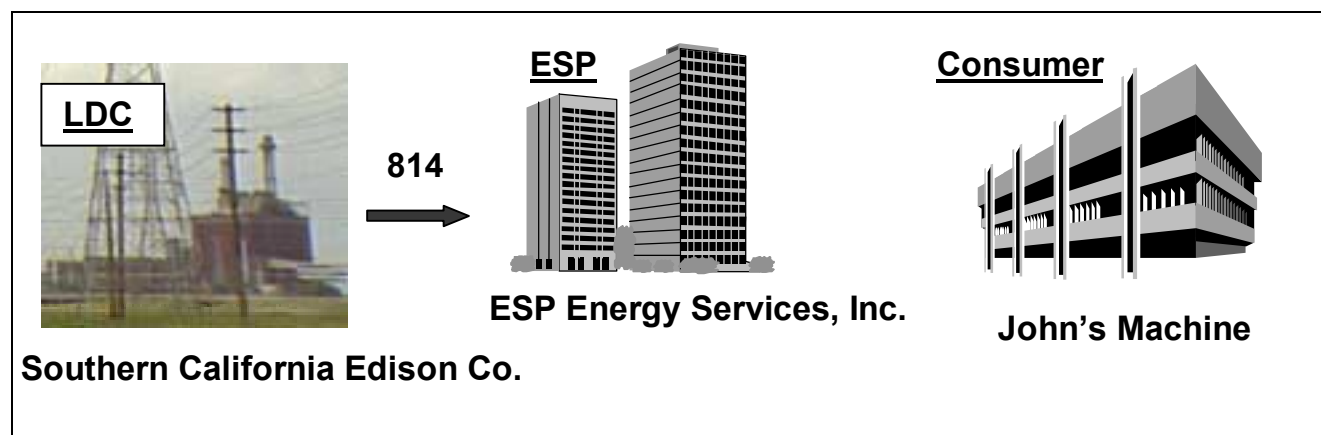
Example 3 - Transaction Set used as a Customer Enrollment Request from an ESP to an LDC for a Commercial/Industrial Account

Example 3 - Business Scenario

Southern California Edison Co. is the Electric Utility Distribution Company (LDC) providing transmission and distribution services. ESP Energy Services, Inc. is an Energy Service Provider (ESP) providing consumers with Electric Energy. They use the ESP consolidated billing option to bill their customers, and third party providers for unbundled services. John's Machine contacted ESP Energy Services and requested that he become one of their customers. The customer currently has Interval metering.

Example 3 - Transaction Scenario

ESP Energy Services creates an EDI 814 and sends it to Southern California Edison who is the LDC for John's Machine. The EDI 814 is structured as an Enrollment Request (California - DASR Connect). The 814 notifies the LDC of the customer enrollment, and specifies the billing option and unbundled service providers.



Example 3 - Transaction Participant Information

Transaction Receiver	LDC	Southern California Edison Co	DUNS: 006908818
Transaction Sender	ESP	ESP Energy Services, Inc	DUNS: 072566006
Service Requested for	End Use Consumer	John E James	
Unbundled Services:	Meter Owner	ESP Owned	
	Meter Reader 'MDMA'	Magic Meter Reading Services	DUNS: 333456789
	Meter Maintainer 'MSP'	Super Meter	DUNS: 223456789

Implementation Guide

Example 3 - Transaction Purpose Information

The details of the transaction are summarized as follows:

Header

- Transaction Set Purpose
- Transaction Set Identification, and Time and Date of the Transaction
- Sender and Receiver and associated DUNs numbers
- End customer name and address

Detail

The Detail level of the 814 contains further clarification / identification of the transaction set purpose, and both the LDC and ESP Account Numbers assigned to the account. The Detail contains other specific information about the account such as the Unbundled Service Participants, meter owner and billing option. It also contains other items of required information.

Summary

The summary provides an EDI control value - "Number of Segments in the transaction"

Implementation Guide

Example 3 - Transaction Mapping Structure Explanation Listing

--Segments: Description

Header Information (Table 1) Information on the Transaction Level

ST*814*000000321: The ST is the start of the 814 Transaction Set with a control Number of 000000321
BGN*13* 0000011328*19980714*092609*PT: The BGN identifies the transaction purpose to be a Request , and identifies this transaction with a unique reference number of 0000011328. It further specifies the date and time of the transaction as July 14,1998 at 9:26:09 AM Pacific Time expressed in HHMMSS.

N1*SJ*ESP ENERGY SERVICES INC*1*07256600641:** ESP Energy Services is the Energy Services Provider in the Supply Process. ESP Energy Services has a DUNS Identification Number of 072566006 and is the submitter of the Transaction

N1*8S*SOUTHERN CALIFORNIA EDISON CO*1*00690881840:** Southern California Edison is the Local Distribution Company in the Energy Supply Process. Southern California Edison has a DUNS Identification Number of 006908818 and is the receiver of the transaction.

N1*8R*JOHN'S MACHINE: The end use customer is John's Machine

N3*9000 INDUSTRY DRIVE: The end use customer address is 9000 Industry Drive

N4*ROSEMEAD*CA*917701234: The Location is in Rosemead, CA, Zip+4 = 91779-1234

Detail Information (Table 2) Information on the Account and Meter Level

LIN*00001*SH*EL*SH*CE: The LIN identifies this item within the transaction with a reference number of 00001. It identifies Electric Service and a Request.

ASI*7*021:This indicates the transaction is a request to start Direct Access Services

REF*11*ESP123-9999: ESP Energy Services Account Number for John's Machine is ESP123-9999.

REF*12*3004402245: Southern California Edison Service Account Number for John's Machine is 3-004-4022-45.

REF*BLT*ESP: ESP Energy Services, Inc.(ESP) will issue Consolidated Billing to John's Machine

REF*KO*N: Customer acknowledgement of CTC is not obtained

NM1*MQ*3: This is a constant to satisfy EDI guideline requirements

REF*VA*223456789: The DUNS # 223456789 identifies Super Meter as the MSP

REF*VE*333456789: The DUNS # 333456789 identifies Magic Meter Reading as the MDMA

REF*V9*E: E identifies the Energy Service Provider as the meter owner

REF*SU*N: Life Support is not required for this customer

Trailer Information (Table 3) Information on a Transaction Summary Level

SE*19*000000321: Transaction Set Control Number 000321 has 19 EDI Segments

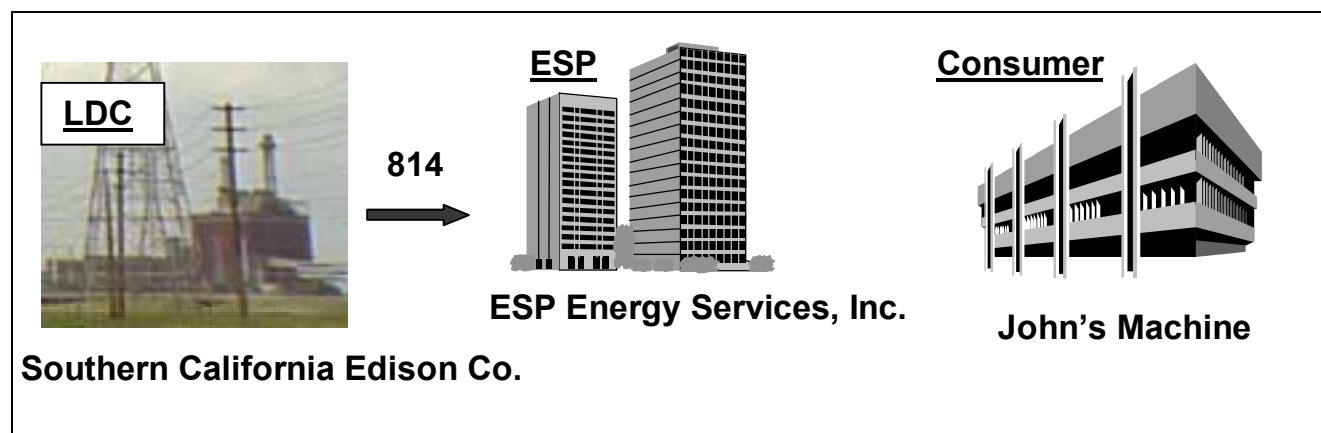
Example 4 - Transaction Set used as a Response to an Enrollment Request (Example 3) for a Commercial/Industrial Account from an LDC to an ESP

Example 4 - Business Scenario

Southern California Edison Co. an Electric Distribution Company (LDC) who provides transmission and distribution services, received an Enrollment Request from ESP Energy Services, Inc. for their customer John's Machine. Southern California Edison notifies ESP Energy Services, Inc. of the status of their enrollment request. The Request has been accepted, and the switch date is Pending because installation of a new meter is required.

Example 4 - Transaction Scenario

Southern California Edison creates an EDI 814 and sends it to ESP Energy Services, Inc. confirming acceptance of the enrollment request. The EDI 814 is structured as a Status Notification Accept/Pending. The 814 is a confirmation to the ESP of the customer enrollment as submitted. This is a response to Example 3.



Example 4 - Transaction Participant Information

Transaction Sender	LDC	Southern California Edison Co	DUNS: 006908818
Transaction Receiver	ESP	ESP Energy Services, Inc	DUNS: 072566006
Service Requested for	End Use Consumer	John's Machine	
Unbundled Services:	Meter Owner	ESP Owned	
	Meter Reader 'MDMA'	Magic Meter Reading Services	DUNS: 333456789
	Meter Maintainer 'MSP'	Super Meter	DUNS: 223456789

Implementation Guide

Example 4 - Transaction Purpose Information

The details of the transaction are summarized as follows:

Header

- Transaction Set Purpose
- Transaction Set Identification, and Time and Date of the Transaction
- Sender and Receiver and associated DUNs numbers
- End customer name and address

Detail

The Detail level of the 814 contains further clarification / identification of the transaction set purpose, and both the LDC and ESP account numbers assigned to the account. The Detail contains other specific information about the account such as the other unbundled service participants and billing option. It also contains other items of required information.

Summary

The summary provides an EDI control value - "Number of Segments in the transaction"

Implementation Guide

Example 4 - Transaction Mapping Structure Explanation Listing

--Segments: Description

Header Information (Table 1) Information on the Transaction Level

ST*814*000000445: The ST is the start of the 814 Transaction Set with a control Number of 000000445

BGN*11*19980715092614*19980715*092614*PT*0000011328: The BGN identifies the transaction purpose to be a Response to EDI Request 0000011328 for an Enrollment Request (DASR Connect), and identifies this transaction with a unique reference number of 19980715092614. It further specifies the date and time of this transaction as July 15, 1998 at 09:26:14 PM Pacific Time expressed in HHMMSS.

N1*8S1*006908818**41:** Southern California Edison is the Local Distribution Company in the Energy Supply Process. Southern California Edison has a DUNS Identification Number of 006908818 and is the sender of the transaction.

N1*SJ1*072566006**40:** ESP Energy Services is the Energy Services Provider in the Supply Process. ESP Energy Services has a DUNS Identification Number of 072566006 and is the receiver of the Transaction

N1*8R*JOHN'S MACHINE: The end use customer is John's Machine

N3*9000 INDUSTRY DRIVE: The end use customer address is 9000 Industry Drive

N4*ROSEMEAD*CA*917701234: The Location is in Rosemead, CA Zip+4 = 91770 -1234

Detail Information (Table 2) Information on the Account and Meter Level

LIN*00001*SH*EL*SH*CE: The LIN identifies this item within the transaction with a reference number of 00001. It identifies Electric Service and a Request.

ASI*WQ*021: This indicates the transaction is a Pending Acceptance of the DASR in Example 3.

REF*11*ESP123-9999: ESP Energy Services Account Number for John's Machine is ESP123-9999.

REF*12*3004402245: Southern California Edison account number for John's Machine is 3-004-4022-45.

REF*BLT*E: ESP Energy Services, Inc. (E) will issue Consolidated Billing to John's Machine

REF*KO*N: Customer acknowledgement of CTC is not obtained.

REF*H5*N: Renewable energy is not provided

DTM*007**D8*199801225:** The switch date to ESP Energy Services, Inc. is pended as December 25, 1998

NM1*MQ*3: This is a constant to meet EDI guideline requirements

REF*SU*N: Life Support is not required for this customer

REF*91*I: Customer's usage calculation code is Interval

REF*V9*E: Energy Service Provider will own the meter

REF*VE*333456789: The DUNS # 333456789 identifies Magic Meter Reading as the MDMA

REF*VA*223456789: The DUNS # 223456789 identifies Super Meter as the MSP

REF*LU10176094123456789:** The SDP Number "10176094123456789" has been assigned by the LDC

REF*D8*SUBT: The Distribution Loss designator is Subtransmission

REF*NH*TOU-8-P: The Utility Rate Schedule TOU-8-P applies to this account

REF*LO*TOU8-SEC: Load Profile ID is TOU8-SEC

REF*ZW*SCE1: This identifies the Meter Congestion Zone as SCE1

REF*TZ*51: This indicates "51" is the meter read cycle number

Trailer Information (Table 3) Information on a Transaction Summary Level

SE*27*000000 445: Transaction Set Control Number 000445 has 27 EDI Segments

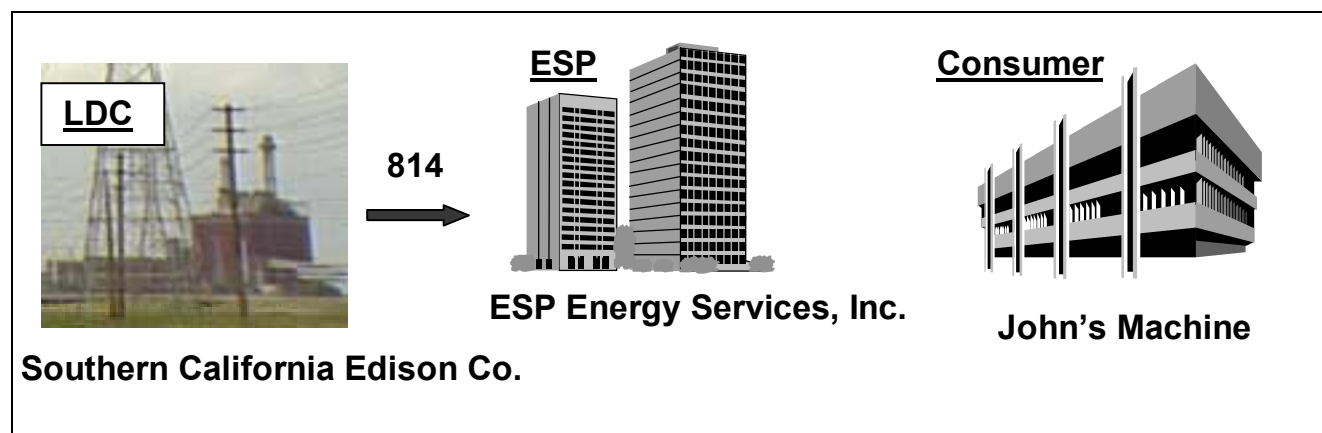
Example 5 - Transaction Set used as Post DA Switch Confirmation Response to an Enrollment Request (Example 3) for a Commercial/Industrial Account from an LDC to an ESP

Example 5 - Business Scenario

Southern California Edison Co. an Electric Distribution Company (LDC) who provides transmission and distribution services, received an Enrollment Request from ESP Energy Services, Inc. for their customer John's Machine. Southern California Edison notifies ESP Energy Services, Inc. of the completion of the enrollment request following the switch of the customer's account from bundled services with the LDC to Direct Access service with ESP Energy Services, Inc. The transaction provides the customer switch date as well as confirming the billing option and ancillary provider relationships.

Example 5 - Transaction Scenario

Southern California Edison creates an EDI 814 and sends it to ESP Energy Services confirming completion of the enrollment request. The EDI 814 is structured as a Status Notification - Final. The 814 is a confirmation to the ESP of the customer enrollment as submitted. This is a response to Example 3.



Example 5 - Transaction Participant Information

Transaction Sender	LDC	Southern California Edison Co	DUNS: 006908818
Transaction Receiver	ESP	ESP Energy Services, Inc	DUNS: 072566006
Service Requested for	End Use Consumer	John's Machine	
Unbundled Services:	Meter Owner	ESP Owned	
	Meter Reader 'MDMA'	Magic Meter Reading Services	DUNS: 333456789
	Meter Maintainer 'MSP'	Super Meter	DUNS: 223456789

Example 5 - Transaction Purpose Information

The details of the transaction are summarized as follows:

Header

- Transaction Set Purpose
- Transaction Set Identification, and Time and Date of the Transaction
- Sender and Receiver and associated DUNs numbers
- End customer name and address

Detail

The Detail level of the 814 contains further clarification / identification of the transaction set purpose, and both the LDC and ESP account numbers assigned to the account.

The Detail contains other specific information about the account such as the customer switch date, billing option and unbundled service providers.

Summary

The summary provides an EDI control value - "Number of Segments in the transaction"

Implementation Guide

Example 5 - Transaction Mapping Structure Explanation Listing

--Segments: Description

Header Information (Table 1) Information on the Transaction Level

ST*814*000000445: The ST is the start of the 814 Transaction Set with a control Number of 000000445

BGN*CN*19980715092614*19980715*092614*PT*0000011328: The BGN identifies the transaction purpose to be a Completion Notification to EDI Request 0000011328 for an Enrollment (DASR Connect), and identifies this transaction with a unique reference number of 19980715092614. It further specifies the date and time of this transaction as July 15, 1998 at 09:26:14 PM Pacific Time expressed in HHMMSS.

N1*8S1*006908818**41:** Southern California Edison is the Local Distribution Company in the Energy Supply Process. Southern California Edison has a DUNS Identification Number of 006908818 and is the sender of the transaction.

N1*SJ1*072566006**40:** ESP Energy Services is the Energy Services Provider in the Supply Process. ESP Energy Services has a DUNS Identification Number of 072566006 and is the receiver of the Transaction

N1*8R*JOHN'S MACHINE: The end use customer is John's Machine

N3*9000 INDUSTRY DRIVE: The end use customer address is 9000 Industry Drive

N4*ROSEMEAD*CA*917701234: The Location is in Rosemead, CA Zip+4 = 91770 -1234

Detail Information (Table 2) Information on the Account and Meter Level

LIN*00001*SH*EL*SH*CE: The LIN identifies this item within the transaction with a reference number of 00001. It identifies Electric Service and a Request.

ASI*F*021: This further clarifies the transaction as a Final Notification of the status of the account in Example 3.

REF*11*ESP123-9999: ESP Energy Services Account Number for John's Machine is ESP123-9999.

REF*12*3004402245: Southern California Edison account number for John's Machine is 3-004-4022-45.

REF*BLT*E: ESP Energy Services, Inc. (E) will issue Consolidated Billing to John's Machine

REF*KO*N: Customer acknowledgement of CTC is not obtained.

REF*H5*N: Renewable energy is not provided

DTM*243*D8*19981130:** This confirms the switch was completed on Nov. 30, 1998

NM1*MQ*3: This is a constant to meet EDI guideline requirements

REF*ZW*SCE1: This identifies the Meter Congestion Zone as SCE1

REF*LO*TOU8-SEC: Load Profile ID is TOU8-SEC

REF*NH*TOU-8-P: The Utility Rate Schedule TOU-8-P applies to this account

REF*91*I: Customer's usage calculation code is Interval

REF*LU10176094123456789:** The SDP Number "10176094123456789" has been assigned by the LDC

REF*D8*SUBT: The Distribution Loss designator is Subtransmission

REF*SU*N: Life Support is not required for this customer

REF*V9*E: Energy Service Provider owned meter

REF*VE*333456789: The DUNS # 333456789 identifies Magic Meter Reading as the MDMA

REF*VA*223456789: The DUNS # 223456789 identifies Super Meter as the MSP

Trailer Information (Table 3) Information on a Transaction Summary Level

SE*19*000000 445: Transaction Set Control Number 000445 has 19 EDI Segments

Implementation Guide

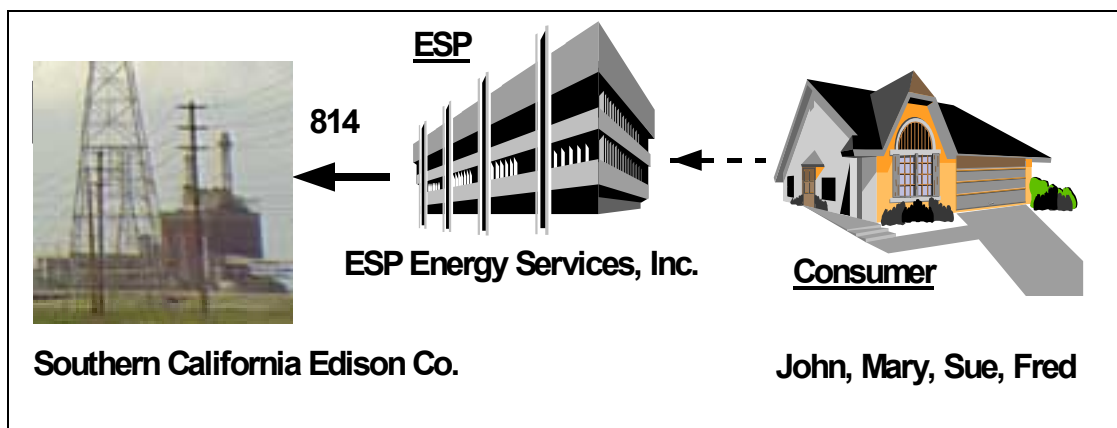
Example 6 - Transaction Set used as a Customer Enrollment Request from an ESP to an LDC for a Routine Domestic Account. Customer Address is incorrect and Request will be Rejected

Example 6 - Business Scenario

Southern California Edison Co. is the Electric Utility Distribution Company (LDC) providing transmission and distribution services. ESP Energy Services, Inc. is an Energy Service Provider (ESP) providing consumers with Electric Energy. They use the ESP consolidated billing option to bill their customers. ESP Energy Services has several customers, Mary Q. Smith, Sue Parks & Fred Jones. John E. James contacted ESP Energy Services, Inc. and made a request to become one of their customers. He provided an incorrect address to the ESP.

Example 6 - Transaction Scenario

ESP Energy Services creates an EDI 814 and sends it to Southern California Edison who is the LDC for John E. James. The EDI 814 is structured as an Enrollment Request (California - DASR Connect). The 814 notifies the LDC of the customer enrollment, unbundled service providers and specifies the billing option.



Example 6 - Transaction Participant Information

Transaction Receiver	LDC	Southern California Edison Co	DUNS: 006908818
Transaction Sender	ESP	ESP Energy Services, Inc	DUNS: 072566006
Service Requested for	End Use Consumer	John E James	
Unbundled Services:	Meter Owner	Customer Owned	
	Meter Reader 'MDMA'	Magic Meter Reading Services	DUNS: 333456789
	Meter Maintainer 'MSP'	Super Meter	DUNS: 223456789

Implementation Guide

Example 6 - Transaction Purpose Information

The details of the transaction are summarized as follows:

Header

- Transaction Set Purpose
- Transaction Set Identification, and Time and Date of the Transaction
- Sender and Receiver and associated DUNs numbers
- End customer name and address

Detail

The Detail level of the 814 contains further clarification / identification of the transaction set purpose, and both the LDC and ESP Account Numbers assigned to the account. The Detail contains other specific information about the account including billing option and unbundled service providers.

Summary

The summary provides an EDI control value - "Number of Segments in the transaction"

Example 6 - Transaction Mapping Structure Explanation Listing

--Segments: Description

Header Information (Table 1) Information on the Transaction Level

ST*814*000000321: The ST is the start of the 814 Transaction Set with a control Number of 000000321
BGN*13* 0000011328*19980714*092609*PT: The BGN identifies the transaction purpose to be a Request, and identifies this transaction with a unique reference number of 0000011328. It further specifies the date and time of the transaction as July 14,1998 at 9:26:09 AM Pacific Time expressed in HHMMSS.

N1*SJ*ESP ENERGY SERVICES INC*1*07256600641:** ESP Energy Services is the Energy Services Provider in the Supply Process. ESP Energy Services has a DUNS Identification Number of 072566006 and is the submitter of the Transaction

N1*8S*SOUTHERN CALIFORNIA EDISON CO*1*00690881840:** Southern California Edison is the Local Distribution Company in the Energy Supply Process. Southern California Edison has a DUNS Identification Number of 006908818 and is the receiver of the transaction.

N1*8R*JOHN E JAMES: The end use customer is John E. James

N3*37100 LAKESIDE DRIVE: The end use customer address is 37100 Lakeside Drive

N4*PALM SPRINGS*CA*922641234: The Location is in Palm Springs, CA Zip+4 = 92264-1234

Detail Information (Table 2) Information on the Account and Meter Level

LIN*00001*SH*EL*SH*CE: The LIN identifies this item within this transaction with a reference number of 00001. It identifies Electric Service and a Request.

ASI*7*021:This indicates the transaction as a request to start Direct Access Services

REF*11*ESP123-9999: ESP Energy Services Account Number for John E. James is ESP123-9999.

REF*12*3004402245: Southern California Edison Service Account Number for John E. James is 3-004-4022-45.

REF*BLT*ESP: The ESP (ESP Energy Services) will issue Consolidated Billing to John E. James.

NM1*MQ*3: This is a constant to satisfy EDI guideline requirements

REF*VA*223456789: The DUNS # 223456789 identifies Super Meter as the MSP

REF*VE*333456789: The DUNS # 333456789 identifies Magic Meter Reading as the MDMA

REF*V9*C: C identifies the Customer as the meter owner

REF*SU*Y: Life Support is required for this customer

REF*91*L: This account is Load Profile

Trailer Information (Table 3) Information on a Transaction Summary Level

SE*19*000000321: Transaction Set Control Number 000321 has 19 EDI Segments

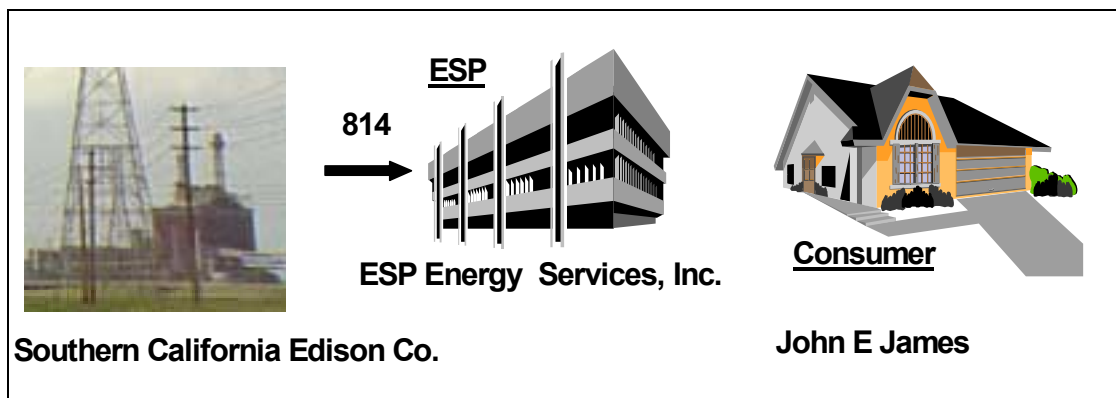
Example 7- Transaction Set used as a Reject Response to an Enrollment Request (Example 6) for a Domestic Account from an LDC to an ESP

Example 7 - Business Scenario

Southern California Edison Co. an Electric Distribution Company (LDC) who provides transmission and distribution services, received an Enrollment Request from ESP Energy Services, Inc. for their Customer John James. Southern California Edison notifies ESP Energy Services of the status of the enrollment request. The Request contained an address not found in the SCE customer data base, and the Request is rejected.

Example 7 - Transaction Scenario

Southern California Edison creates an EDI 814 and sends it to ESP Energy Services rejecting the enrollment request. The EDI 814 is structured as a Status Notification Reject. The 814 is a rejection notification to the ESP of the customer enrollment as submitted. This is a response to Example 6.



Example 7 - Transaction Participant Information

Transaction Sender	LDC	Southern California Edison Co	DUNS: 006908818
Transaction Receiver	ESP	ESP Energy Services, Inc	DUNS: 072566006
Service Requested for	End Use Consumer	John E James	
Unbundled Services:	Meter Owner	Customer Owned	
	Meter Reader 'MDMA'	Magic Meter Reading Services	DUNS: 333456789
	Meter Maintainer 'MSP'	Super Meter	DUNS: 223456789

Implementation Guide

Example 7 - Transaction Purpose Information

The details of the transaction are summarized as follows:

Header

- Transaction Set Purpose
- Transaction Set Identification, and Time and Date of the Transaction
- Sender and Receiver and associated DUNs numbers
- End customer name and address

Detail

The Detail level of the 814 contains further clarification / identification of the transaction set purpose, and both the LDC and ESP Account Numbers assigned to the account. The Detail contains information regarding the reason for rejection of the Connect transaction

Summary

The summary provides an EDI control value - "Number of Segments in the transaction"

Example 7 - Transaction Mapping Structure Explanation Listing

--Segments: Description

Header Information (Table 1) Information on the Transaction Level

ST*814*000000445: The ST is the start of the 814 Transaction Set with a control Number of 000000445

BGN*11*19980715092614*19980715*092614*PT*0000011328: The BGN identifies the transaction purpose to be a Response to EDI Request 0000011328 for an Enrollment Request (DASR Connect), and identifies this transaction with a unique reference number of 19980715092614. It further specifies the date and time of this transaction as July 15, 1998 at 09:26:14 PM Pacific Time expressed in HHMMSS.

N1*8S1*006908818**41:** Southern California Edison is the Local Distribution Company in the Energy Supply Process. Southern California Edison has a DUNS Identification Number of 006908818 and is the sender of the transaction.

N1*SJ1*072566006**40:** ESP Energy Services is the Energy Services Provider in the Supply Process. ESP Energy Services has a DUNS Identification Number of 072566006 and is the receiver of the Transaction

N1*8R*JOHN E JAMES: The end use customer is John E. James

N3*37100 LAKESIDE DRIVE: The end use customer address is 37100 Lakeside Drive

N4*PALM SPRINGS*CA*922641234: The Location is in Palm Springs, CA Zip+4 = 92264-1234

Detail Information (Table 2) Information on the Account and Meter Level

LIN*00001*SH*EL*SH*CE: The LIN identifies this item within the transaction with a reference number of 00001. It identifies Electric Service and a Request.

ASI*U*021: This further clarifies the transaction as a rejection of the Connect Request in Example 6.

REF*11*ESP123-9999: ESP Energy Services Account Number for John E. James is ESP123-9999.

REF*12*3004402245: Southern California Edison Account Number for John E. James is 3-004-4022-45.

REF*BLT*ESP: The ESP (ESP Energy Services) will issue Consolidated Billing to John E. James.

REF*H5*N: Renewable energy is not provided

REF*KO*N: Customer acknowledgement of CTC is not obtained

REF*7G*A83*Invalid House Number: This provides the reason for rejection of the Connect transaction

NM1*MQ*3: This is a constant to satisfy EDI guideline requirements

REF*LO*TOU8-SEC: Load Profile ID is TOU8-SEC

REF*91*I: Customer's usage calculation code is Interval

REF*LU10176094123456789:** The SDP Number "10176094123456789" has been assigned by the LDC

REF*SU*N: Life Support is not required for this customer

REF*V9*C: Customer Owned Meter

Trailer Information (Table 3) Information on a Transaction Summary Level

SE*18*000000 445: Transaction Set Control Number 000445 has 18 EDI

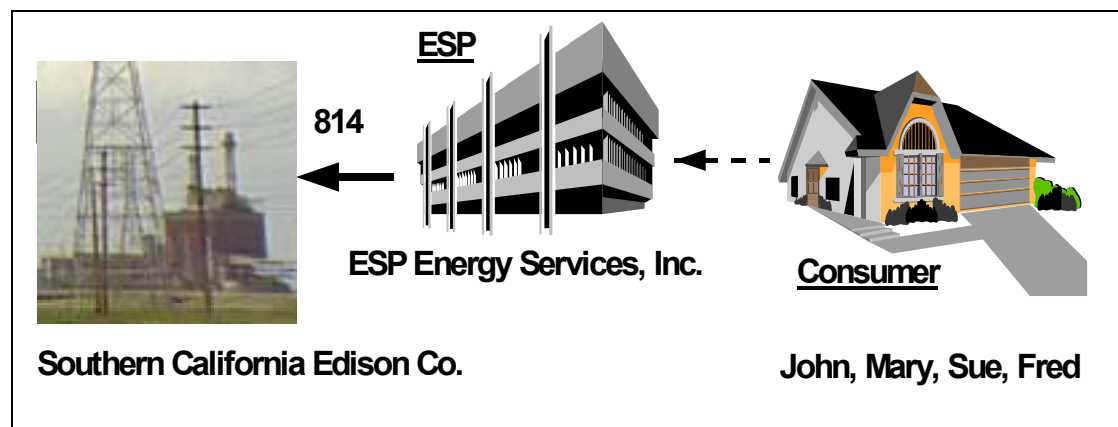
Example 8 - Transaction Set used as a Customer Disconnect Request from an ESP to an LDC

Example 8- Business Scenario

Southern California Edison Co. is the Electric Utility Distribution Company (LDC) providing transmission and distribution services. ESP Energy Services, Inc. is an Energy Service Provider (ESP) providing consumers with Electric Energy. ESP Energy Services, Inc. has a customer, John E. James, who wishes to return to bundled service. ESP Energy Services, Inc. notifies SCE to Disconnect the customer from Direct Access Service.

Example 8 - Transaction Scenario

ESP Energy Services creates an EDI 814 and sends it to Southern California Edison, the LDC for John E. James. The EDI 814 is structured as a Disconnect Request, and includes the customer name, address and meter owner.



Example 8 - Transaction Participant Information

Transaction Receiver	LDC	Southern California Edison Co	DUNS: 006908818
Transaction Sender	ESP	ESP Energy Services, Inc	DUNS: 072566006
Service Requested for	End Use Consumer	John E. James	
Unbundled Services:	Meter Owner	SCE	DUNS: 006908818
	Meter Reader - MDMA	SCE	DUNS: 006908818
	Meter Maintainer -MSP	SCE	DUNS: 006908818

Implementation Guide

Example 8 - Transaction Purpose Information

The details of the transaction are summarized as follows:

Header

- Transaction Set Purpose
- Transaction Set Identification, and Time and Date of the Transaction
- Sender and Receiver and associated DUNs numbers
- End customer name and address

Detail

The Detail level of the 814 contains further clarification / identification of the transaction set purpose, and both the LDC and ESP Account Numbers assigned to the account.

Summary

The summary provides an EDI control value - "Number of Segments in the transaction"

Implementation Guide

Example 8 - Transaction Mapping Structure Explanation Listing

--Segments: Description

Header Information (Table 1) Information on the Transaction Level

ST*814*000000321: The ST is the start of the 814 Transaction Set with a control Number of 000000321
BGN*13* 0000011328*19980714*092609*PT: The BGN identifies the transaction purpose to be a Request, and identifies this transaction with a unique reference number of 0000011328. It further specifies the date and time of the transaction as July 14,1998 at 9:26:09 AM Pacific Time expressed in HHMMSS.
N1*SJ*ESP ENERGY SERVICES INC*1*07256600641:** ESP Energy Services is the Energy Services Provider in the Supply Process. ESP Energy Services has a DUNS Identification Number of 072566006 and is the submitter of the Transaction
N1*8S*SOUTHERN CALIFORNIA EDISON CO*1*00690881840:** Southern California Edison is the Local Distribution Company in the Energy Supply Process. Southern California Edison has a DUNS Identification Number of 006908818 and is the receiver of the transaction.
N1*8R*JOHN E JAMES: The end use customer is John E. James
N3*371 LAKESIDE DRIVE: The end use customer address is 371 Lakeside Drive
N4*PALM SPRINGS*CA*922641234: The Location is in Palm Springs, CA Zip+4 = 92264-1234

Detail Information (Table 2) Information on the Account and Meter Level

LIN*00001*SH*EL*SH*CE: The LIN identifies this item within the transaction with a reference number of 00001. It identifies Electric Service and a Request.
ASI*7*002: This indicates the transaction is a request to Disconnect from Direct Access Service
REF*11*ESP123-9999: ESP Energy Services Account Number for John E. James is ESP123-9999.
REF*12*3004402245: Southern California Edison Service Account Number for John E. James is 3-004-4022-45.
NM1*MQ*3: This is a constant to satisfy EDI guideline requirements
REF*V9*L: L (LDC) identifies SCE as the meter owner

Trailer Information (Table 3) Information on a Transaction Summary Level

SE*15*000000321: Transaction Set Control Number 000321 has 15 EDI Segments

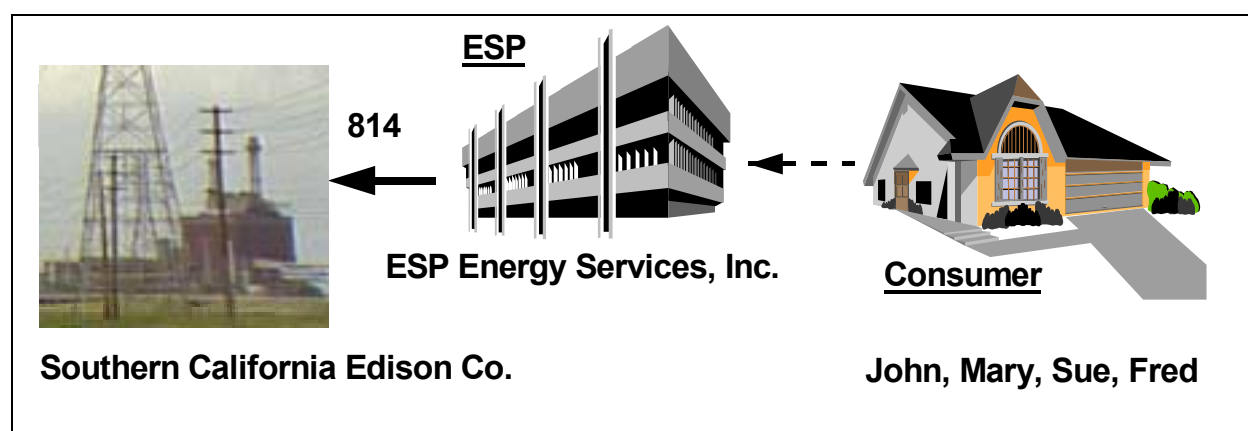
Example 9 - Transaction Set used as an Update Request from an ESP to an LDC for a Routine Domestic Account

Example 9 - Business Scenario

Southern California Edison Co. is the Electric Utility Distribution Company (LDC) providing transmission and distribution services. ESP Energy Services, Inc. is an Energy Service Provider (ESP) providing consumers with Electric Energy. John E. James is the end customer. ESP Energy Services, Inc. wishes to install their own meter and is notifying SCE of the meter ownership change.

Example 9 - Transaction Scenario

ESP Energy Services creates an EDI 814 and sends it to Southern California Edison who is the LDC for John E. James. The EDI 814 is structured as an Update Request. The 814 notifies the LDC of the name and address of the customer and advises of the change in meter ownership.



Example 9 - Transaction Participant Information

Transaction Receiver	LDC	Southern California Edison Co	DUNS: 006908818
Transaction Sender	ESP	ESP Energy Services, Inc	DUNS: 072566006
Service Requested for	End Use Consumer	John E. James	
Unbundled Services:	New Meter Owner	Southern California Edison Co	DUNS: 006908818
	Meter Reader 'MDMA'	Magic Meter Reading Services	DUNS: 333456789
	Meter Maintainer 'MSP'	Super Meter	DUNS: 223456789

Implementation Guide

Example 9 - Transaction Purpose Information

The details of the transaction are summarized as follows:

Header

- Transaction Set Purpose
- Transaction Set Identification, and Time and Date of the Transaction
- Sender and Receiver and associated DUNs numbers
- End customer name and address

Detail

The Detail level of the 814 contains further clarification / identification of the transaction set purpose and both the LDC and ESP Account Numbers assigned to the account. The Detail contains other specific information about the account such as customer name and address, and relationship to be Updated.

Summary

The summary provides an EDI control value - "Number of Segments in the transaction"

Implementation Guide

Example 9 - Transaction Mapping Structure Explanation Listing

--Segments: Description

Header Information (Table 1) Information on the Transaction Level

ST*814*000000321: The ST is the start of the 814 Transaction Set with a control Number of 000000321
BGN*13* 0000011328*19980714*092609*PT: The BGN identifies the transaction purpose to be a Request, and identifies this transaction with a unique reference number of 0000011328. It further specifies the date and time of the transaction as July 14,1998 at 9:26:09 AM Pacific Time expressed in HHMMSS.
N1*SJ*ESP ENERGY SERVICES INC*1*07256600641:** ESP Energy Services is the Energy Services Provider in the Supply Process. ESP Energy Services has a DUNS Identification Number of 072566006 and is the submitter of the Transaction
N1*8S*SOUTHERN CALIFORNIA EDISON CO*1*00690881840:** Southern California Edison is the Local Distribution Company in the Energy Supply Process. Southern California Edison has a DUNS Identification Number of 006908818 and is the receiver of the transaction.
N1*8R*JOHN E JAMES: The end use customer is John E. James
N3*371 LAKESIDE DRIVE: The end use customer address is 371 Lakeside Drive
N4*PALM SPRINGS*CA*922641234: The Location is in Palm Springs, CA Zip+4 = 92264-1234

Detail Information (Table 2) Information on the Account and Meter Level

LIN*00001*SH*EL*SH*CE: The LIN identifies this item within the transaction with a reference number of 00001. It identifies Electric Service and a Request.
ASI*7*001: This indicates the transaction is a request for a change
REF*11*ESP123-9999: ESP Energy Services Account Number for John E. James is ESP123-9999.
REF*12*3004402245: Southern California Edison Service Account Number for John E. James is 3-004-4022-45.
REF*BLT*ESP: The ESP (ESP Energy Services) issues Consolidated Billing to John E. James.
NM1*MQ*3: This is a constant to satisfy EDI guideline requirements
REF*VA*223456789: The DUNS # 223456789 identifies Super Meter as the MSP
REF*VE*333456789: The DUNS # 333456789 identifies Magic Meter Reading as the MDMA
REF*V9*L: L (LDC) identifies SCE as the new meter owner

Trailer Information (Table 3) Information on a Transaction Summary Level

SE*18*000000321: Transaction Set Control Number 000321 has 18 EDI Segments

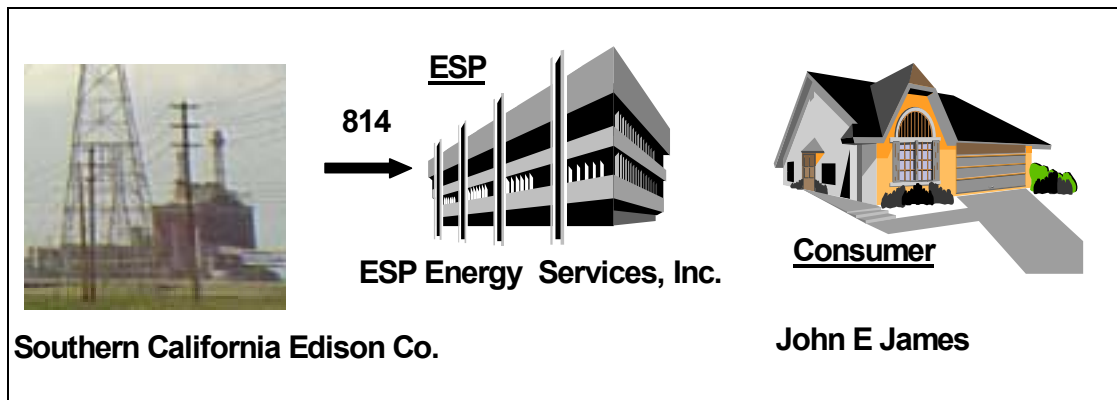
Example 10 - Transaction Set used as a Response to an Update Request (Example 9) for a Domestic Account from an LDC to an ESP

Example 10 - Business Scenario

Southern California Edison Co., an Electric Distribution Company (LDC) who provides transmission and distribution services, received an Update Request from ESP Energy Services, Inc. for their Customer John E. James. The Update Request is to change the meter ownership. Southern California Edison notifies ESP Energy Services of the status of their Update Request. The Request has been accepted.

Example 10 - Transaction Scenario

Southern California Edison creates an EDI 814 and sends it to ESP Energy Services confirming acceptance of the Update Request. The response reiterates the current relationships and billing option for this account. The EDI 814 is structured as a Status Notification Accept. This is a response to Example 9.



Example 10- Transaction Participant Information

Transaction Sender	LDC	Southern California Edison Co	DUNS: 006908818
Transaction Receiver	ESP	ESP Energy Services, Inc	DUNS: 072566006
Service Requested for	End Use Consumer	John E. James	
Unbundled Services:	Meter Owner	Southern California Edison Co	DUNS: 006908818
	Meter Reader 'MDMA'	Magic Meter Reading Services	DUNS: 333456789
	Meter Maintainer 'MSP'	Super Meter	DUNS: 223456789

Implementation Guide

Example 10 - Transaction Purpose Information

The details of the transaction are summarized as follows:

Header

- Transaction Set Purpose
- Transaction Set Identification, and Time and Date of the transaction
- Sender and Receiver and associated DUNs numbers
- End customer name and address

Detail

The Detail level of the 814 contains further clarification / identification of the transaction set purpose, and the LDC and ESP Account Numbers assigned to the account.

The Detail contains other specific information about the account such as the other Unbundled Service Participants DUNs Numbers and the billing option.

Summary

The summary provides an EDI control value - "Number of Segments in the transaction"

Implementation Guide

Example 10 - Transaction Mapping Structure Explanation Listing

--Segments: Description

Header Information (Table 1) Information on the Transaction Level

ST*814*000000445: The ST is the start of the 814 Transaction Set with a control Number of 000000445

BGN*11*19980715092614*19980715*092614*PT*0000011328: The BGN identifies the transaction purpose to be a Response to EDI Request 0000011328 for an Update, and identifies this transaction with a unique reference number of 19980715092614. It further specifies the date and time of this transaction as July 15, 1998 at 09:26:14 PM Pacific Time expressed in HHMMSS.

N1*8S1*006908818**41:** Southern California Edison is the Local Distribution Company in the Energy Supply Process. Southern California Edison has a DUNS Identification Number of 006908818 and is the sender of the transaction.

N1*SJ1*072566006**40:** ESP Energy Services is the Energy Services Provider in the Supply Process. ESP Energy Services has a DUNS Identification Number of 072566006 and is the receiver of the Transaction

N1*8R*JOHN E JAMES: The end use customer is John E. James

N3*371 LAKESIDE DRIVE: The end use customer address is 371 Lakeside Drive

N4*PALM SPRINGS*CA*922641234: The Location is in Palm Springs, CA Zip+4 = 92264-1234

Detail Information (Table 2) Information on the Account and Meter Level

LIN*00001*SH*EL*SH*CE: The LIN identifies this item within the transaction with a reference number of 00001. It identifies Electric Service and a Request.

ASI*WQ*001: This indicates the transaction is an acceptance of the Update in Example 9.

REF*11*ESP123-9999: ESP Energy Services Account Number for John E. James is ESP123-9999

REF*12*3004402245: Southern California Edison Account Number for John E. James is 3-004-4022-45

REF*BLT*ESP: The ESP (ESP Energy Services) will issue Consolidated Billing to John E. James

REF*H5*N: Renewable energy is not provided

REF*KO*N: Customer acknowledgement of CTC is not obtained

REF*KO*N: Indicates customer did not acknowledge CTC charges

DTM*007**D8*19980814:** The update is scheduled for August 14, 1998

NM1*MQ*3: This is a constant to satisfy EDI guideline requirements

REF*91*L: Indicates customer is Load Profiled

REF*V9*L: L (LDC) indicates SCE is the meter owner

REF*VE*333456789: The DUNS # 333456789 identifies Magic Meter Reading as the MDMA

REF*VA*223456789: The DUNS # 223456789 identifies Super Meter as the MSP

REF*LU10176094123456789:** The SDP Number "10176094123456789" has been assigned by the LDC

REF*SU*N: Life Support is not required for this customer

REF*NH*DOMESTIC DIRECT ACCESS The Domestic Rate Schedule Tariff applies to this Direct Access account

REF*LO*DOMESTIC: Load Profile ID is Domestic

REF*ZW*SCE1: This identifies Edison's Zone

Trailer Information (Table 3) Information on a Transaction Summary Level

SE*22*000000 445: Transaction Set Control Number 000445 has 22 EDI Segments

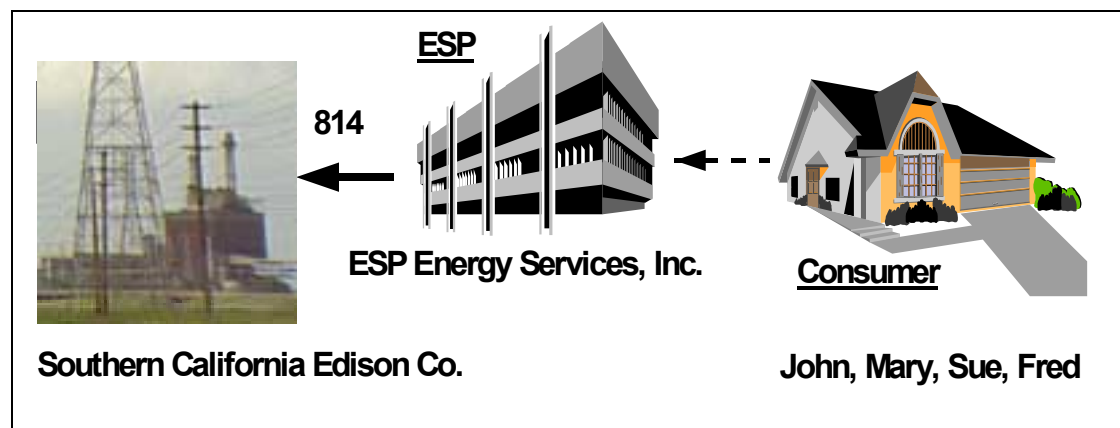
Example 11 - Transaction Set used to Cancel a Pending Customer Enrollment Request from an ESP to an LDC for a Routine Domestic Account

Example 11 - Business Scenario

Southern California Edison Co. is the Electric Utility Distribution Company (LDC) providing transmission and distribution services. ESP Energy Services, Inc. is an Energy Service Provider (ESP) providing consumers with Electric Energy. John E. James contacted ESP Energy Services, Inc. and requested that he become one of their customers. A Connect DASR was submitted to SCE, and the switch from bundled service has not yet taken place. The customer now wishes to remain a bundled customer. ESP Energy Services, Inc. notifies SCE to cancel the Pending Connect Request.

Example 11 - Transaction Scenario

ESP Energy Services creates an EDI 814 and sends it to Southern California Edison who is the LDC for John E. James. The EDI 814 is structured as a Cancel of a Pending Connect Request.



Example 11 - Transaction Participant Information

Transaction Receiver	LDC	Southern California Edison Co	DUNS: 006908818
Transaction Sender	ESP	ESP Energy Services, Inc	DUNS: 072566006
Service Requested for	End Use Consumer	John E James	
Unbundled Services:	Meter Owner	Customer Owned	
	Meter Reader 'MDMA'	Magic Meter Reading Services	DUNS: 333456789
	Meter Maintainer 'MSP'	Super Meter	DUNS: 223456789

Implementation Guide

Example 11 - Transaction Purpose Information

The details of the transaction are summarized as follows:

Header

- Transaction Set Purpose
- Transaction Set Identification, and Time and Date of the Transaction
- Sender and Receiver and associated DUNs numbers
- End customer name and address

Detail

The Detail level of the 814 contains further clarification / identification of the transaction set purpose, and both the LDC and ESP Account Numbers assigned to the account. The Detail contains specific information about the account such as the Unbundled Service Providers DUNs Numbers. It also contains other items of required information.

Summary

The summary provides an EDI control value - "Number of Segments in the transaction"

Implementation Guide

Example 11 - Transaction Mapping Structure Explanation Listing

--Segments: Description

Header Information (Table 1) Information on the Transaction Level

ST*814*000000321: The ST is the start of the 814 Transaction Set with a control Number of 000000321

BGN*13* 0000011328*19980714*092609*PT: The BGN identifies the transaction purpose to be a Request, and identifies this transaction with a unique reference number of 0000011328. It further specifies the date and time of the transaction as July 14,1998 at 9:26:09 AM Pacific Time expressed in HHMMSS.

N1*SJ*ESP ENERGY SERVICES INC*1*07256600641:** ESP Energy Services is the Energy Services Provider in the Supply Process. ESP Energy Services has a DUNS Identification Number of 072566006 and is the submitter of the Transaction

N1*8S*SOUTHERN CALIFORNIA EDISON CO*1*00690881840:** Southern California Edison is the Local Distribution Company in the Energy Supply Process. Southern California Edison has a DUNS Identification Number of 006908818 and is the receiver of the transaction.

N1*8R*JOHN E JAMES: The end use customer is John E. James

N3*371 LAKESIDE DRIVE: The end use customer address is 371 Lakeside Drive

N4*PALM SPRINGS*CA*922641234: The Location is in Palm Springs, CA Zip+4 = 92264-1234

Detail Information (Table 2) Information on the Account and Meter Level

LIN*00001*SH*EL*SH*CE: The LIN identifies this item within this transaction with a reference number of 00001. It identifies Electric Service and a Request.

ASI*7*024: This further clarifies the transaction as a request to Cancel a Pending Connect Request

REF*11*ESP123-9999: ESP Energy Services Account Number for John E. James is ESP123-9999.

REF*12*3004402245: Southern California Edison Service Account Number for John E James is 3-004-4022-45.

NM1*MQ*3: This is a constant to satisfy EDI guideline requirements

REF*V9*C: C identifies the Customer as the meter owner

Trailer Information (Table 3) Information on a Transaction Summary Level

SE*14*000000321: Transaction Set Control Number 000321 has 14 EDI Segments

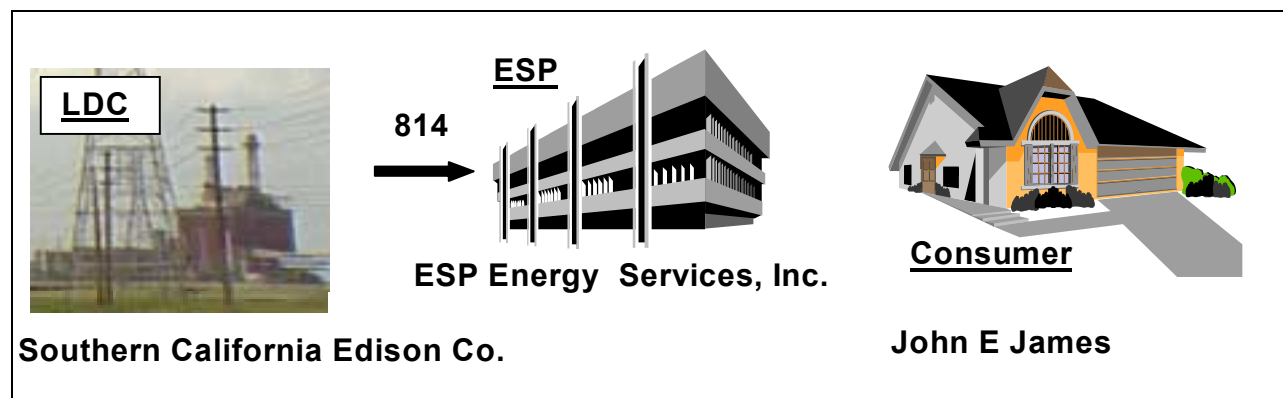
Example 12 - Transaction Set used as a Response to a Disconnect Request (Example 8)

Example 12 - Business Scenario

Southern California Edison Co. an Electric Distribution Company (LDC) who provides transmission and distribution services, has received a Disconnect request from ESP Energy Services, Inc. for their Customer, John E. James. Southern California Edison notifies ESP Energy Services of the status of the Disconnect request. The Disconnect is accepted.

Example 12 - Transaction Scenario

Southern California Edison creates an EDI 814 and sends it to ESP Energy Services, Inc. confirming acceptance of the Disconnect request, and providing the disconnect date. The EDI 814 is structured as a Status Notification Accept. The 814 is a confirmation to the ESP of the customer Disconnect as submitted. This is a Response to the Disconnect request in Example 8.



Example 12 - Transaction Participant Information

Transaction Sender	LDC	Southern California Edison Co	DUNS: 006908818
Transaction Receiver	ESP	ESP Energy Services, Inc	DUNS: 072566006
Service Requested for	End Use Consumer	John E James	

Implementation Guide

Example 12 - Transaction Purpose Information

The details of the transaction are summarized as follows:

Header

- Transaction Set Purpose
- Transaction Set Identification, and Time and Date of the Transaction
- Sender and Receiver and associated DUNs numbers
- End customer name and address

Detail

The Detail level of the 814 contains further clarification / identification of the transaction set purpose, and both the LDC and ESP Account Numbers assigned to the account. The Detail contains other specific information about the account such as the Unbundled Service Participants' DUNs Numbers. It also contains other items of required information.

Summary

The summary provides an EDI control value - "Number of Segments in the transaction"

Example 12 - Transaction Mapping Structure Explanation Listing

-- Segments: Description

Header Information (Table 1) Information on the Transaction Level

ST*814*000000445: The ST is the start of the 814 Transaction Set with a control Number of 000000445

BGN*11*19980715092614*19980715*092614*PT*0000011328: The BGN identifies the transaction purpose to be a Response to EDI Request 0000011328 for a Disconnect, and identifies this transaction with a unique reference number of 19980715092614. It further specifies the date and time of this transaction as July 15, 1998 at 09:26:14 PM Pacific Time expressed in HHMMSS.

N1*8S1*006908818**41:** Southern California Edison is the Local Distribution Company in the Energy Supply Process. Southern California Edison has a DUNS Identification Number of 006908818 and is the sender of the transaction.

N1*SJ1*072566006**40:** ESP Energy Services is the Energy Services Provider in the Supply Process. ESP Energy Services has a DUNS Identification Number of 072566006 and is the receiver of the Transaction

N1*8R*JOHN E JAMES: The end use customer is John E. James

N3*371 LAKESIDE DRIVE: The end use customer address is 371 Lakeside Drive

N4*PALM SPRINGS*CA*922641234: The Location is in Palm Springs, CA Zip+4 = 92264-1234

Detail Information (Table 2) Information on the Account and Meter Level

LIN*00001*SH*EL*SH*CE: The LIN identifies this item within this transaction with a reference number of 00001. It identifies electric service and a request.

ASI*WQ*002: This indicates the transaction is an acceptance of the Disconnect request Example 8)

REF*11*ESP123-9999: ESP Energy Services Account Number for John E. James is ESP123-9999

REF*H5*N: Renewable energy is not provided

REF*KO*N: Customer acknowledgement of CTC is not obtained

REF*12*3004402245: Southern California Edison Account Number for John E. James is 3-004-4022-45

DTM*007**D8*19980814:** This confirms the switch was completed on to be August 14, 1998

NM1*MQ*3: This is a constant to satisfy EDI guideline requirements

REF*SU*Y: Life Support is required for this customer

REF*91*L: Customer is Load Profile

REF*V9*C: Customer Owned Meter

REF*LU10176094123456789:** The SDP Number "10176094123456789" has been assigned by the LDC

REF*NH*DOMESTIC DIRECT ACCESS The Domestic Rate Schedule Tariff applies to this Direct Access account

REF*LO*DOMESTIC: Load Profile ID is Domestic

REF*ZW*SCE1: This identifies Edison's Zone

Trailer Information (Table 3) Information on a Transaction Summary Level

SE*27*000000 445: Transaction Set Control Number 000445 has 27 EDI Segments

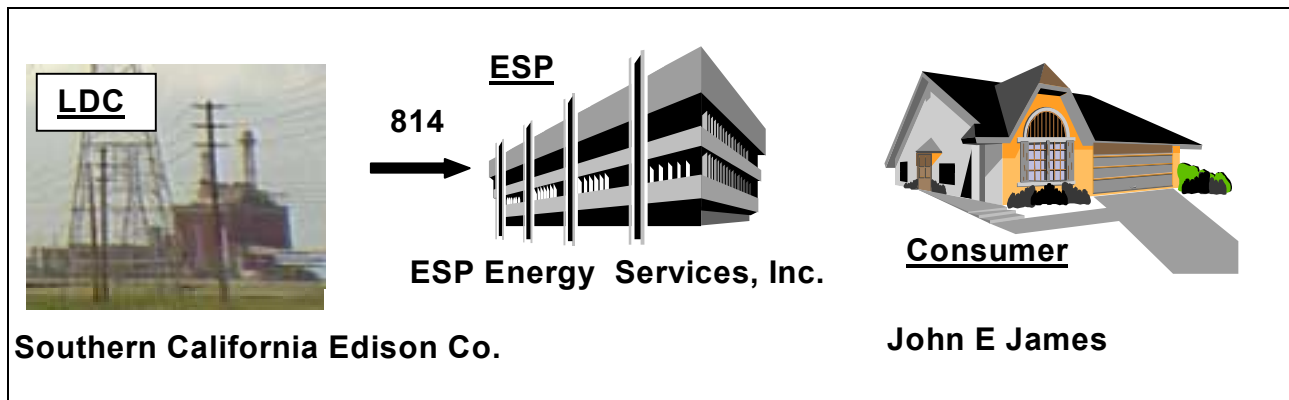
Example 13 - Transaction Set used as a Response to a Disconnect Request (Example 8)

Example 13 - Business Scenario

Southern California Edison Co. an Electric Distribution Company (LDC) who provides transmission and distribution services, has received a Disconnect request from ESP Energy Services, Inc. for their Customer, John E. James. Southern California Edison notifies ESP Energy Services of the status of the Disconnect request. The Disconnect is completed.

Example 13 - Transaction Scenario

Southern California Edison creates an EDI 814 and sends it to ESP Energy Services, Inc. confirming completion of the Disconnect request, and providing the disconnect date. The EDI 814 is structured as a Status Notification - Final. This is a Response to the Disconnect request in Example 8.



Example 13 - Transaction Participant Information

Transaction Sender	LDC	Southern California Edison Co	DUNS: 006908818
Transaction Receiver	ESP	ESP Energy Services, Inc	DUNS: 072566006
Service Requested for	End Use Consumer	John E James	

Implementation Guide

Example 13 - Transaction Purpose Information

The details of the transaction are summarized as follows:

Header

- Transaction Set Purpose
- Transaction Set Identification, and Time and Date of the Transaction
- Sender and Receiver and associated DUNs numbers
- End customer name and address

Detail

The Detail level of the 814 contains further clarification / identification of the transaction set purpose, and both the LDC and ESP Account Numbers assigned to the account. The Detail contains other specific information about the account such as the completion date of the Disconnect

Summary

The summary provides an EDI control value - "Number of Segments in the transaction"

Implementation Guide

Example 13 - Transaction Mapping Structure Explanation Listing

-- Segments: Description

Header Information (Table 1) Information on the Transaction Level

ST*814*000000445: The ST is the start of the 814 Transaction Set with a control Number of 000000445

BGN*CN*19980715092614*19980715*092614*PT*000011328: The BGN identifies the transaction purpose to be a Completion notification to EDI Request 000011328 for a Disconnect, and identifies this transaction with a unique reference number of 19980715092614. It further specifies the date and time of this transaction as July 15, 1998 at 09:26:14 PM Pacific Time expressed in HHMMSS.

N1*8S1*006908818**41:** Southern California Edison is the Local Distribution Company in the Energy Supply Process. Southern California Edison has a DUNS Identification Number of 006908818 and is the sender of the transaction.

N1*SJ1*072566006**40:** ESP Energy Services is the Energy Services Provider in the Supply Process. ESP Energy Services has a DUNS Identification Number of 072566006 and is the receiver of the Transaction

N1*8R*JOHN E JAMES: The end use customer is John E. James

N3*371 LAKESIDE DRIVE: The end use customer address is 371 Lakeside Drive

N4*PALM SPRINGS*CA*922641234: The Location is in Palm Springs, CA Zip+4 = 92264-1234

Detail Information (Table 2) Information on the Account and Meter Level

LIN*00001*SH*EL*SH*CE: The LIN identifies this item within this transaction with a reference number of 00001. It identifies electric service and a request.

ASI*F*002: This indicates the transaction is a Final Notification of the status of the Disconnect request (Example 8).

REF*11*ESP123-9999: ESP Energy Services Account Number for John E. James is ESP123-9999

REF*12*3004402245: Southern California Edison Account Number for John E. James is 3-004-4022-45

REF*H5*N: Renewable energy is not provided

REF*KO*N: Customer acknowledgement of CTC is not obtained

DTM*243**D8*19980814:** The switch date to ESP Energy Services, Inc. is confirmed to be August 14, 1998

REF*BLT*LDC: Southern California Edison issued Consolidated Billing to John E. James.

NM1*MQ*3: This is a constant to satisfy EDI guideline requirements

REF*SU*Y: Life Support is required for this customer

REF*91*L: Customer is Load Profile

REF*V9*C: Customer Owned Meter

REF*LU10176094123456789:** The SDP Number "10176094123456789" has been assigned by the LDC

REF*NH*DOMESTIC DIRECT ACCESS The Domestic Rate Schedule Tariff applies to this Direct Access account

REF*LO*DOMESTIC: Load Profile ID is Domestic

REF*ZW*SCE1: This identifies Edison's Zone

Trailer Information (Table 3) Information on a Transaction Summary Level

SE*27*000000 445: Transaction Set Control Number 000445 has 27 EDI Segments

C. EDI Mapping Guide

The EDI 814 Mapping Guide used for this implementation is the official Utility Industry Group (UIG) 814 guide, version 4010, and meets ANSI X12 standards. However, this guide is not included here. The UIG mapping guide may be found on the UIG web site: <http://www.uig.org/frmGuideline.asp>.

The underlying business requirements were developed by the California 814 Work Group to achieve consistency across the California deregulated marketplace.

Implementation Guide

VI. Practice Testing and Testing Plan

Practice testing will be achieved in three phases:

- Integration Testing
- System Testing
- Production Testing

The following describes each of these phases.

A. Integration Testing

Beginning June 18, 1999, SCE will accept Test DASRs utilizing the new 4010 version of EDI Transaction Set 814, and CSV formatted DASRs, utilizing the new business rules in both data transmission protocols.

ESPs must use the information provided below to submit their DASRs for integration testing of either EDI or CSV. Information such as MDMA, MSP, Billing option, etc., that is not supplied should be tailored to each ESP's regular business practices.

Customer's Name	Service Address	SCE's Account No.	Type of DASR
Mary Smith	123 Main Ave #16 Beach City, CA 90567	3005646781	Connect - Residential (Load profile)
Industry Welding	9567 ½ Cooper Road White Creek, CA 90032	3000045789	Connect - Commercial (Hourly)
Jack Washington	4776 Flower Ave Big Springs CA 97562	3000789871	Disconnect - Residential
Jennifer Parsons	2379 Forest Lane Pine City, CA 92709	3003647891	Update - Residential
Amy Chan	795 Happy Trails Ave. Red Canyon, CA 90004	3000087461	Cancel - Residential

When submitting test DASRs during integration testing, ESPs must submit their test DASR files via e-mail as a file attachment to ESPSUPT@sce.com (ESPs using EDI should send their EDI file delimited and 80 characters wrapped).

Implementation Guide

High Level Process Plan

- Communication/Implementation guide sent to all ESPs (via the CPUC exploder list as well as to the Electronic Coordination Communicator's (ECC's) distribution list)
- Beginning June 18, 1999 SCE will accept test transmissions/files from ESPs. ESPs will send their DASR file to the ESPSUPT mail box. During integration testing SCE will not schedule ESP's submissions, but will review the files in the order they were received
- Out bound responses/transmissions will not be sent during this phase of the testing process
- ECC will contact ESP with Test results

ESPs interested in participating in this phase of testing, or require further clarification, are asked to contact SCE's Electronic Communications Coordinator for details.

B. System Testing

Implementation of version 4010 of EDI transaction set 814 includes significant changes to the structure of the transaction set, introduction of new codes, and support of new DASR business requirements. As outlined in the Implementation Schedule, System Testing will begin on or about August 10, 1999.

This phase of testing will test end to end processes between ESPs and SCE in either CSV or EDI version 4010 formats, or both, with the new functionality. ESPs are encouraged to participate in this phase of SCE's overall testing.

It should be noted that this is practice testing only. However, the benefits to an ESP submitting DASRs in the practice test environment rather than the production environment include validating that DASRs can be successfully submitted and accepted, for timely DASR processing.

Priority will be given to those ESPs who are currently submitting DASRs via EDI 3070 format. SCE fully expects that our test plan can accommodate all ESPs who are interested in testing—including testing in CSV format.

Up to five scenarios will be available for testing. Testing will include both inbound DASR, and outbound messaging. Up to five accounts will be assigned to each ESP for testing purposes. ESPs should contact SCE's Electronic Communications Coordinator for the specific account information.

The specific scenarios that SCE will test with interested ESPs, are identified in the table on the following page.

Implementation Guide

Test Scenario	DASR Type	Condition to Test	Type of Account	Expected Result
1.	CONNECT	To test CONNECT DASR received through EDI or CSV format using the new functionality with Meter Investigation initiated.	Non-DA - Domestic Non-Street Light	<ul style="list-style-type: none"> DASR accepted SP-ACK sent
2.	DISCONNECT	To test DISCONNECT DASR received through EDI or CSV format using the new functionality.	DA - Domestic/ DA - GS-2	<ul style="list-style-type: none"> DASR accepted and scheduled SP-ACK/AS-ACK messages sent
3.	CONNECT	To test CONNECT DASR received through EDI or CSV format using the new functionality with DASR rejection (reject reason - due to blank MSP/MDMA DUNS).	Non-DA - Domestic Non-Street Light	<ul style="list-style-type: none"> DASR rejected SP-NAK sent
4.	UPDATE	To test UPDATE DASR received through EDI or CSV format using the new functionality with a change in the billing option.	DA - Domestic Non-Street Light	<ul style="list-style-type: none"> DASR accepted, and scheduled Option changed
5.	CONNECT	To test CONNECT DASR received through EDI or CSV format using the new functionality.	Non-DA Domestic Non-Street Light	<ul style="list-style-type: none"> DASR accepted and scheduled SP-ACK/AS-ACK messages sent

High Level Process Plan

- ESPs contact SCE's Electronic Communications Coordinator (ECC) for specific account information. During system testing SCE will not schedule ESP's submissions, but will review the files in the order they were received.
- Beginning on or about August 10, 1999, SCE will accept test transmissions/files from ESPs.
- ESPs will send their DASR test files in the format of their choice:
 - EDI or CSV format - to the ESPSUPT@SCE.COM mail box.
- Outbound responses/transmissions will be sent during this phase of the testing process. Please inform SCE if a special mailbox id is required for outbound messaging.
- ECC will contact ESP to discuss test results, and if needed, procedures to retest.
- Testing to conclude on or about September 10, 1999.

This phase of testing is being performed in a test environment and to the best of our knowledge accurately depicts the full production environment. There is a small likelihood that the production environment could change.

Practice testing is not limited specifically to System Testing during this period. Testing may extend beyond our implementation date of September 18th as the test environment will be available for future practice testing.

ESPs interested in participating in this phase of testing, or require further clarification, are asked to contact SCE's Electronic Communications Coordinator for details.

C. Production Testing

Implementation Guide

This phase of testing is the third and last phase of testing. The purpose of this testing is to catch any potential problems on a small scale, rather than on a large scale basis. As outlined in the Implementation Schedule, Production Testing will begin on or about September 20, 1999. Production Testing will occur in a “controlled” production environment, and could last up to two weeks for each ESP.

Expected benefits to an ESP submitting DASRs in a controlled production test environment include validating that DASRs can be successfully submitted and accepted, for timely processing. This is especially true for ESPs who have previously elected not to participate in any prior phase of testing.

To ensure successful Production Testing, ESPs would need to notify SCE in advance of submitting DASRs. SCE expects that our test plan can accommodate all ESPs who are interested in testing—including testing in CSV format.

ESPs would use “live” account information to submit their DASRs. Information such as MDMA, MSP, Billing Option, etc., would be tailored to each ESP’s regular business practices.

High Level Process Plan

- Beginning on or about September 20, 1999, SCE will accept production test transmissions/files from ESPs. ESPs will send their DADR file to the normal DADR mail box.
- ESPs would constrain DADR submittal to batches of 10 per day for up to 2 weeks depending upon production verification results
- Out bound responses/transmissions will be sent during this phase of the testing process
- SCE and ESPs closely monitor DADR acceptance/rejection and verify that there is nothing barring ESPs submitting DASRs in bulk, in production. Electronic Communications Coordinator will contact ESP to discuss Test results

ESPs interested in participating in this phase of testing, or require further clarification, are asked to contact SCE’s Electronic Communications Coordinator for details.

VII. Contingency Plan

Conversion of EDI transaction set 814 from version 3070 to version 4010 was completed on September 18, 1999. At the same time, new business process functionality were also introduced. The new functionality and upgrade to EDI version 4010 was in response to requests to standardize the customer enrollment process across the deregulated California marketplace.

The new business processes that were rolled out as part of the EDI version upgrade are not supported in EDI version 3070. Therefore, only EDI version 4010 is available to SCE's EDI trading partners after September 18, 1999. DASRs submitted in EDI version 3070 will be rejected.

Several important items to note related to the implementation:

- Following SCE's cutover to version 4010, there will be no rollback options to version 3070. Only version 4010 transactions will be accepted. All outbound responses from SCE will be version 4010.
- Specifications for the 814 and new DASR functionality are frozen. Any changes or modifications will be addressed in a later development process.
- Any trading partner who anticipates not being ready by the September conversion date should consider the timing factor of DASRs submitted early in September. EDI DASRs received by SCE in version 3070 could have version 4010 responses depending on the timing of the switch dates and any associated meter changes.
- Both CSV and EDI DASR response messages transmitted following the September implementation date will include the new business functionality.

An extensive testing period prior to the September was offered. However, in the event an ESP using EDI version 3070 was unable to convert to version 4010, the following was offered as a contingency plan:

- DASR data in the CSV format is an alternative to EDI for transmission of DASR requests and responses via e-mail.
- DASRs may be submitted in the CSV format by use of SCE's DASR Tool. An upgraded version of the DASR Tool supporting the new DASR functionality is available on SCE's Direct Access Web Site - <http://www.sce-esp.com/>.
- Testing in CSV in controlled environment (for those ESPs who are unable to move to version 4010 due to implementation problems). Refer to the details contained in Section VI (Production Testing) of this document.