

EIEP11

New Connections Information version 7.0

Protocol and Guideline

Version control

Version history

This document replaces all previous versions (Inclusive of format, protocol and examples)

Version	Date	Issue description
V1.0		Initial release.
V2.0	April 2004	
V3.0	1 November 2005	Draft for review.
V4.0	30/31 May 2006	Draft for approval by Electricity Commission Board.
V5.0	8 June 2006	Electricity Commission Board approved.
V6.0	6 Oct 2008	Formatted into the Electricity Commission's current style.
V7.0	10 Dec 2008	Update to section 10.3: Meter register detail.

Change history

Version	Date	Changes
V2.0	April 2004	Contains consistency changes.
V3.0	1 November 2005	Split format and guide into new structure. Changes to format as per DRIEPS Survey Review. Draft for review.
V4.0	30/31 May 2006	Draft for Electricity Commission Board approval.
V5.0	8 June 2006	Electricity Commission Board approved.
V6.0	6 Oct 2008	Formatted into the Electricity Commission's current style.
V7.0	10 Dec 2008	Update to section 10.3: Meter register detail: <ul style="list-style-type: none"> Register content – description field: CHAR updated to '4' to align with the master table in the registry. Rule column updated. Register content - period of availability: Rule column updated.

Related documents

Document	Type	Description
Principles of the data format and reports catalogue	Guide	Overarching guide to use of Data Format Catalogue and General principles for use of Electricity Information Exchange Protocols.
Data format and reports catalogue (DFRC)	List	Listing of all currently available formats and association between documents.

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1. New connections information

1.1 Background

- 1.1.1 The new connections information protocols are intended for use by:
- (a) Retailers to provide information to distributors to request new ICPs (RQICP);
 - (b) Distributors to advise retailers that a new ICP has been created on their behalf for which the customer/contractor has nominated that retailer as their preferred supplier (AKICP);
 - (c) Retailers to request livening from the distributor (or their agent) prior to livening of an ICP (LRICP);
 - (d) Retailers or distributors to provide advice of changes to any ICP details before being “energised” on the registry (CHICP) which can include livening after distributor has received and completed a LRICP request to liven from retailer;
 - (e) Retailers or distributors (or their agents) to exchange metering information (MTICP).
- 1.1.2 It is assumed that the initial request for the ICP can come from either the contractor (acting on behalf of the customer) or the retailer. If the distributor has received the request from the customer or contractor then the retailer will be advised once the ICP has been approved. The retailer will have an opportunity to reject the ICP (AKICP with the appropriate reason code).
- 1.1.3 The use of the new connections protocols are not intended to replace a participant’s obligation to update the registry under the Electricity Governance Rules 2003.

1.2 File transport mechanism

- 1.2.1 Two file transport mechanisms are available for the transfer of data:
- (a) Manual (via email) to a nominated email address; and
 - (b) Electronic (via file transfer protocol (FTP)) to a specified FTP inbox.
- 1.2.2 The actual mechanism used and destination address is to be configurable at file type level as agreed between the parties. In the case of FTP a security mechanism will be necessary to protect confidentiality. The ability to retrieve files from a remote FTP outbox is not part of this definition.

1.3 Field delimiters

- 1.3.1 The information is to be provided as a comma delimited text file. Commas are therefore prohibited within fields. Where portions of a field require separation, a tilde character (~) should be used. If commas are present in the fields, use quotation marks to exclude them as separators, as per the DOS CSV format.
- 1.3.2 The file format area in this document includes XML tags to enable the move to XML format as and when participants have the capacity to do so (the XML schema will be published with the file format document when it is defined).

1.4 Case sensitivity

- 1.4.1 Matching of file names, code list values, etc, is to be case insensitive.

1.5 Address field completion rules

- 1.5.1 Where location address fields appear in the new connection protocols, the registry rules for address data should be adhered to if at all possible. The combination of the address fields should give a unique address for the ICP that will allow it to be identified.

2. RQICP: Request for new ICP

- 2.1.1 This protocol provides for the creation of a new ICP and the provision of ICP information. The RQICP file should be sent by the retailer to the distributor to request a new ICP. However, if a contractor or customer requests the ICP directly from the distributor then a RQICP file will not be required. In this case the AKICP file format should be used by the distributor to notify the proposed retailer of the ICP details.

3. AKICP: Provision of ICP information

- 3.1.1 This protocol is intended to be used in the following situations:
- (a) If the request for the ICP was originally sent by the retailer (RQICP) then an AKICP file should be sent by the distributor to the retailer when the new ICP has been approved.
 - (b) By a distributor to supply new ICP information to a retailer nominated by an applicant, where the applicant has approached the distributor directly. The applicant may or may not be the end consumer.

- (c) By a retailer to indicate acceptance or rejection of responsibility for an ICP in response to (2) above. The AKICP file should be returned to the distributor with the appropriate acceptance or rejection code (ACC or REJ).
- (d) By a distributor to reject or delay the issuing of an ICP in response to a Request for an ICP by a retailer (RQICP). In some cases the distributor may require more information or need time to complete their negotiations with the applicant. In this case a proposed ICP creation date must be provided. A table of distributor AKICP reason codes is attached.

3.1.2 The AKICP file may find broader application in communication between retailers or distributors and/or their contractors. The retailer and distributor reason codes may need to be updated to reflect this.

3.2 Reason codes

Reason code	Description
CRE	ICP Created
INC	Incomplete Data
DLY	ICP Creation Delayed
EXI	ICP Already Exists
WNW	Wrong Network
REJ	Rejected
ACC	Retailer Accepts

4. CHICP: Change of ICP information

4.1.1 This protocol provides the ability for the retailer or distributor to notify the other party of modifications to details of the ICP during the construction phase prior to it becoming “active” on the registry. This file will include the current status of all fields including those that have changed (any changes to be notified will be regarded as mandatory). The change in status can include confirmation of liveness of an installation in response to the liveness request (LRICP) from a retailer.

4.2 Reason code

Reason code	Description
GEN	General details change
LIV	Livening Notification

5. LRICP: Request for livening for ICP

- 5.1.1 Requests for livening should be sent by retailers to distributors using the LRICP file.
- 5.1.2 The format for the LRICP file is identical to CHICP, but has its file code reserved so that it can be paired with a CHICP response from the distributor as confirmation of livening where required.

6. MTICP: Provision of metering information to either party

- 6.1.1 The MTICP file allows for the distributor (if acting as meter installer) or the retailer to update the other party of meter details. The Use of Systems Agreement operating between the parties will normally determine the situations where this information is to be transferred.
- 6.1.2 It is expected that a record will be present for all equipment at the installation, not just that being added/changed/removed. This significantly reduces the opportunity for confusion and is in keeping with the philosophy of certifying a complete installation, not just individual items of equipment.

7. File format for EIEP11: request for new ICP

Data content
and format

Each data file will contain one header record and one or many detail records.

Description	Type	XML Tag	Rule	Example
Header record type	Char(3)	<RowType>	HDR – indicates the row is a header record type	HDR
File type	Char(7)	<FileType>	Request for ICP then RQICP	RQICP
Sender	Char(4)	<Sender>	Party code of sender	TRUS
Recipient	Char(4)	<Recipient>	Party code of recipient	UNET
Report run date	DATE DD/MM/YYYY	<RunDate>	Date the report is run	02/08/2000
Report run time	TIME HH:MM:SS	<RunTime>	Time the report is run	12:32:02
Unique identifier	Int(4)	<Identifier>	Number that uniquely identifies the report	4798
Number of detail records	Int(8)	<RecordCount>	Total number of DET records in report	4
Utility type	Char(1)	<UtilityType>	G (Gas) or E (Electricity)	E

Description	Type	XML Tag	Rule	Example
Detail record type	Char(3)	<RecordType>		DET
Retailer identifier	Char(12)	<RetailerIdentifier>	Identifies the site in the retailers system	123456:001
ICP request date	DATE DD/MM/YYYY	<RequestDate>	Date the originator receives the request.	01/08/2000
Proposed retailer	Char(4)	<Retailer>	Retailer that will be supplying the site	TRUS

Description	Type	XML Tag	Rule	Example
Proposed liven date	DATE DD/MM/YYYY	<LivenDate>	Date that the ICP is expected to be livened. Can be null	17/09/2000
Bus name	Char(7)	<Bus>	BUS the install is likely to be connected to. Can be null	TGA0331
Transformer number	Char(12)	<Transformer>	Transformer number ICP is likely to be fed from. Can be null.	
Distributor ID	Char(4)	<Distributor>	Party code of distributor	UNET
Distributor reference	Char(12)	<DistributorRef>	Unique reference number in distributor's system (if already allocated). Can be null	
Connection type	Char(2)	<ConnectionType>	Connection type for the NSP. Can be null	GN
Voltage	Char(1)	<Voltage>	L = LV, H = HV	L
Phases	Int(1)	<Phases>	Number of phases	1
Current rating	Int(4)	<CurrentRating>	Current rating requested. Can be null	60
Capacity	Num(5.1)	<Capacity>	Capacity (KVA / kW). Can be null	13.8
Requested distributor price category	Char(15)	<PriceCat>	Distributor Price category requested by the originator. Can be null	T13
Residential flag	Char(1)	<Residential>	Y or N	N
Physical address unit	Char(20)	<AddressUnit>	All Address Field Mandatory if available . Relates to the unit number of a building on a site.	

Description	Type	XML Tag	Rule	Example
Physical address Num/RAPID number	Char(25)	<AddressNum>		31
Physical address region	Char(20)	<AddressRegion>		Tauranga
Physical address street	Char(30)	<AddressStreet>		Mount Maunganui Road
Physical address suburb	Char(30)	<AddressSuburb>		
Physical address town	Char(30)	<AddressTown>		Mount Maunganui
Physical address post code	Int(4)	<AddressPostCode>		3002
Physical address property name	Char(75)	<AddressName>		
Physical address lot number	Int(5)	<AddressLotNo>	If no address a lot number must be provided. Can be null	
Physical address DPS	Char(10)	<AddressDPS>	If no address a DPS number must be provided. Can be null	
Address freeform	Char(50)	<AddressFreeform>	Additional location information. Can be null	Beside new Farmers Building
Electrician name	Char(30)	<ElectricianName>	Name of electrician. Can be null. Can be null	Murray Bailey electrical
Electrician phone	Char(15)	<ElectricianPhone>	Contact phone number for electrician. Can be null	075744123
Unmetered supply	Char(1)	<Unmetered>	Y or N	N
Meter installer name	Char(30)	<InstallerName>	Name of meter installer. Can be null	Jose Carrerras

Description	Type	XML Tag	Rule	Example
Meter installer phone	Char(15)	<InstallerPhone>	Phone number for meter installer. Can be null	095467832
Livener name	Char(30)	<LivenerName>	Name of person to liven site. Can be null	Siemens Energy Services
Livener code	Char(10)	<LivenerName>	Network Authorisation code. Can be null	UN456
Livener phone	Char(15)	<LivenerPhone>	phone number for person livening site. Can be null	075467233
Builders Temporary supply	Char(1)	<BTS>	Y or N	N
Irrigation	Char(1)	<Irrigation>	Y or N	Y
Irrigation Pump size	Num(4.1)	<PumpSize>	KW rating of irrigation pump. Can be null	100
Mains size	Int(4)	<MainsSize>	Mains size in mm. Can be null	15
Meters in Permanent Position	Char(1)	<MetersPermanent>	Y or N. If not applicable use N	N
Freeform detail	Char(255)	<DetailFreeform>	Any further useful information about this request. Can be null	

8. File format for EIEP11: provision of ICP information

Data content and format

Each data file will contain one header record and one or many detail records.

Description	Type	XML Tag	Rule	Example
Header record type	Char(3)	<RowType>	HDR – indicates the row is a header record type	HDR
File type	Cha(7)	<FileType>	Provision of ICP information then AKICP	AKICP
Sender	Char(4)	<Sender>	Party code of sender	UNET
Recipient	Char (4)	<Recipient>	Party code of recipient	TRUS
Report run date	DATE DD/MM/YYYY	<RunDate>	Date the report is run	02/08/2000
Report run time	TIME HH:MM:SS	<RunTime>	Time the report is run	12:32:02
Unique identifier	Int(4)	<Identifier>	Number that uniquely identifies the report	4798
Number of detail records	Int(8)	<RecordCount>	Total number of DET records in report	4
Utility type	Char(1)	<UtilityType>	G (Gas) or E (Electricity)	E

Description	Type	To Retail. O/M	Rule	Example
Detail record type	Char(3)	<RecordType>		DET
Retailer identifier	Char(12)	<RetailerIdentifier>	Identifies the site in the retailers system. Can be null	123456:001
Initiator name	Char(30)	<InitiatorName>	Name of the customer or agent who made the request for this ICP.	

Description	Type	To Retail. O/M	Rule	Example
Initiator phone	Char(15)	<InitiatorPhone>	Contact phone number of Initiator	356 9945
ICP	Char(15)	<ICP>	ICP 15 character unique identifier. Will be blank only if this is a Reject response	0123456789XX CCC
Reason code	Char(3)	<Reason>	Indicates reason this record is being sent. See PF document for valid codes.	CRE
ICP request date	DATE DD/MM/YYYY Y	<RequestDate>	Date the request is received by the originator. Mandatory if request originated from Network. Can be null	
ICP creation/modification date	DATE DD/MM/YYYY Y	<ICPDate>	Date ICP was created. For a status of DLY (Delayed), is the predicted creation date.	07/08/2000
Proposed retailer	Char(4)	<ProposedRetailer>	Retailer that will be supplying the site	TRUS
Proposed livening date	DATE DD/MM/YYYY Y	<ProposedDate>	Date that the ICP is expected to be livened. Mandatory if request originated by distributor	17/09/2000
Bus name	Char(7)	<Bus>	BUS the install is to be connected to.	TGA0331
Transformer number	Char(12)	<Transformer>	Transformer number ICP is to be fed from. Can be null	
Distributor ID	Char(4)	<Distributor>	Party code of distributor	UNET
Distributor reference	Char(12)	<DistributorRef>	Unique reference number in distributor's system (if already allocated). Can be null	

Description	Type	To Retail. O/M	Rule	Example
Connection type	Char(2)	<ConnectionType>	Connection type for the NSP. Can be null	GN
Distributor loss code	Char(7)	<LossCode>	Loss code to be applied to Install	7.0
Voltage	Char(1)	<Vlotage>	L = LV, H = HV	L
Phases	Int(1)	<Phases>	Number of phases	1
Current rating	Int(4)	<CurrentRating>	Current rating	60
Capacity	Char(6)	<Capacity>	Capacity (KVA / kW). Can be null	13.8
Actual distributor price category	Char(15)	<PriceCat>	Allows retailer to ascertain line charges	T13
Congestion period demand	Num(4.1)	<CPD>	Mandatory if Line charges require a Congestion period demand. Can be null	
Installation details	Char(50)	<InstallDetails>	Additional information required to ascertain line charges for the installation. Can be null	
Physical address unit	Char(20)	<AddressUunit>	All Address Field Mandatory if available . Relates to the unit number of a building on a site.	
Physical address Num/RAPID Num	Char(25)	<AddressNum>		31
Physical address region	Char(20)	<AddressRegion>		Tauranga
Physical address street	Char(30)	<AddressStreet>		Mt Maunganui Road
Physical address suburb	Char(30)	<AddressSuburb>		
Physical address town	Char(30)	<AddressTown>		Mount Maunganui

Description	Type	To Retail. O/M	Rule	Example
Physical address post code	Int(4)	<AddressPostCode>		3002
Physical address property name	Char(75)	<AddressName>		
Physical address lot number	Int(5)	<AddressLotNo>	If no address a lot number must be provided. Can be null	
Physical address DPS	Char(10)	<AddressDPS>	If no address a DPS number must be provided. Can be null	
Address freeform	Char(50)	<AddressFreeform>	Additional location information. Can be null	Beside new Farmers Building
End consumer name	Char(30)	<ConsumerName>	Name of end consumer. Can be null	Mr J Smith
End consumer phone	Char(15)	<ConsumerPhone>	Contact phone number of end consumer. Can be null	356 9945
Postal free form	Char(30)	<PostalFree>	All postal fields can be Null. But are mandatory if available	C/- Gemtime Jewellers
Postal Addr unit	Char(4)	<PostalUnit>		
Postal Addr num	Char(6)	<PostalNum>		
Postal Addr street	Char(30)	<PostalStreet>	Street name	High Street
Postal box/RD	Char(30)	<PostalBox>	PO Box or RD and number	PO Box 2
Postal addr suburb	Char(30)	<PostalSuburb>		SURBURBIA
Postal addr town	Char(30)	<PostalTown>		ANYTOWN
Postal addr postcode	Int(6)	<PostalPostCode>		3030
Postal addr zipcode	Int(6)	<PostalZipcode>		36345

Description	Type	To Retail. O/M	Rule	Example
Postal addr country	Char(30)	<PostalCountry>		Australia
Electrician name	Char(30)	<ElectricianName>	Name of electrician. Can be null. Can be null	Murray's Electrical
Electrician phone	Char(15)	<ElectricianPhone>	Contact phone number for electrician. Can be null	075744123
Unmetered supply	Char(1)	<Unmetered>	Y or N	N
Meter installer name	Char(30)	<InstallerName>	Name of meter installer. Can be null	Jose Carrerras
Meter installer phone	Char(15)	<InstallerPhone>	Phone number for meter installer. Can be null	095467832
Livener name	Char(30)	<LivenerName>	Name of person to liven site. Can be null	Siemens Energy Services
Livener code	Char(10)	<LivenerName>	Network Authorisation code. Can be null	UN456
Livener phone	Char(15)	<LivenerPhone>	Phone number for person livening site. Can be null	075467233
Builders temporary supply	Char(1)	<BTS>	Y or N	N
Irrigation	Char(1)	<Irrigation>	Y or N	Y
Irrigation pump size	Num(4.1)	<PumpSize>	KW rating of irrigation pump. Can be null	100
Mains size	Int(4)	<MainsSize>	Mains size in mm. Can be null	15
Meters in permanent position	Char(1)	<MetersPermanent>	Y or N. If not applicable use N	N
Free form detail	Char(255)	<DetailFreeform>	Any further useful information about this request. Can be null	

9. File format for EIEP11: change of ICP information

Data content and format

Each data file will contain one header record and one or many detail records.

Description	Type	XML Tag	Rule	Example
Header record type	Char(3)	<RowType>	HDR – indicates the row is a header record type	HDR
File type	Char(7)	<FileType>	Provision of ICP information then AKICP	CHICP
Sender	Char(4)	<Sender>	Party code of sender	UNET
Recipient	Char(4)	<Recipient>	Party code of recipient	TRUS
Report run date	DATE DD/MM/YYYY	<RunDate>	Date the report is run	02/08/2000
Report run time	TIME HH:MM:SS	<RunTime>	Time the report is run	12:32:02
Unique identifier	Int(4)	<Identifier>	Number that uniquely identifies the report	4798
Number of detail records	Int(8)	<RecordCount>	Total number of DET records in report	4
Utility type	Char(1)	<UtilityType>	G (Gas) or E (Electricity)	E

Description	Type	XML Tag	Rule	Example
Detail record type	Char(3)	<RecordType>		DET
Retailer identifier	Char(12)	<RetailerIdentifier>	Identifies the site in the retailers system. Can be null.	123456:001
ICP	Char(15)	<ICP>	ICP 15 character unique identifier.	0123456789XX CCC

Description	Type	XML Tag	Rule	Example
Reason code	Char(3)	<Reason>	Reason this message is being sent. (See below for valid codes)	LIV
Service request reference	Char(12)	<SRRef>	Service Request number for requesting livening or acknowledging a livening request. Mandatory in these cases.	SR1234A
ICP modification date	DATE DD/MM/YYYY	<ICPDate>	Date ICP was modified	07/08/2000
Proposed retailer	Char(4)	<ProposedRetailer>	Retailer that will be supplying the site	TRUS
Proposed/actual liven date	DATE DD/MM/YYYY	<LivenDate>	Date that the ICP was livened/ is expected to be livened. Mandatory if request originated by distributor. Can be Null	17/09/2000
Bus name	Char(7)	<Bus>	BUS the install is to be connected to	TGA0331
Transformer number	Char(12)	<Transformer>	Transformer number ICP is to be fed from. Can be null	
Distributor ID	Char(4)	<Distributor>	Party code of distributor	UNET
Distributor reference	Char(12)	<DistributorRef>	Unique reference number in distributor's system (if already allocated). Can be null	
Connection type	Char(2)	<ConnectionType>	Connection type for the NSP. Can be null	GN
Distributor loss code	Char(7)	<LossCode>	Loss code to be applied to Install	7.0
Voltage	Char(1)	<Vlotage>	L = LV, H = HV	L

Description	Type	XML Tag	Rule	Example
Phases	Int(1)	<Phases>	Number of phases	1
Mains type	Char(1)	<MainsType>	U = Underground, O = Overhead. Can be null	U
Mains capacity	Int(3)	<MainsCapacity >	Mains Size in square mm. Can be null	16
Current rating	Int(4)	<CurrentRating>	Current rating (fuse size) of ICP. Can be null	60
Capacity	Num(5.1)	<Capacity>	Capacity (KVA / kW)	13.8
Actual distributor price category	Char(15)	<PriceCat>	Allows retailer to ascertain line charges. Can be null	T13
Congestion period demand	Num(4.1)	<CPD>	Mandatory if Line charges require a Congestion period demand	
Installation details	Char(50)	<InstallDetails>	Additional information required to ascertain line charges for the installation. Can be null	
Physical address unit	Char(20)	<AddressUnit>	All address Field Mandatory if available . Relates to the unit number of a building on a site.	
Physical address Num/RAPID Num	Char(25)	<AddressNum>		31
Physical address region	Char(20)	<AddressRegion >		Tauranga
Physical address street	Char(30)	<AddressStreet >		Mount Maunganui Road
Physical address suburb	Char(30)	<AddressSuburb>		

Description	Type	XML Tag	Rule	Example
Physical address town	Char(30)	<AddressTown>		Mount Maunganui
Physical address post code	Int(4)	<AddressPost Code>		3002
Physical address property name	Char(75)	<AddressName >		
Physical address lot number	Int(5)	<AddressLotNo>	If no address a lot number must be provided. Can be null	
Physical address DPS	Char(10)	<AddressDPS>	If no address a DPS number must be provided. Can be null	
Address freeform	Char(50)	<AddressFreeform>	Additional location information. Can be null	Beside new Farmers Building
Electrician name	Char(30)	<ElectricianName>	Name of electrician. Can be null. Can be null	Murray Bailey electrical
Electrician phone	Char(15)	<ElectricianPhone>	Contact phone number for electrician. Can be null	075744123
Unmetered supply	Char(1)	<Unmetered>	Y or N	N
Meter installer name	Char(30)	<InstallerName>	Name of meter installer. Can be null	Jose Carrerras
Meter installer phone	Char(15)	<InstallerPhone >	Phone number for meter installer. Can be null	095467832
Livener name	Char(30)	<LivenerName >	Name of person to liven site. Can be null	Siemens Energy Services
Livener code	Char(10)	<LivenerName >	Network Authorisation code. Can be null	UN456
Livener phone	Char(15)	<LivenerPhone >	Phone number for person livening site. Can be null	075467233

Description	Type	XML Tag	Rule	Example
Cert of compliance no	Char(10)	<ComplianceNo >	Certificate of compliance number, Mandatory if livening Notice	123456

10. File format for EIEP11: provision of metering information to either party

Data content
and format

Each data file will contain one header record and one or many detail records.

Description	Type	XML Tag	Rule	Example
Header record type	Char(3)	<RowType>	HDR – indicates the row is a header record type	HDR
File type	Char(7)	<FileType>	Provision of ICP information then AKICP	MTICP
Sender	Char(4)	<Sender>	Party code of sender	TRUS
Recipient	Char(4)	<Recipient>	Party code of recipient	UNET
Report run date	DATE DD/MM/YYYY	<RunDate>	Date the report is run	02/08/2000
Report run time	TIME HH:MM:SS	<RunTime>	Time the report is run	12:32:02
Unique identifier	Int(4)	<Identifier>	Number that uniquely identifies the report	4798
Number of detail records	Int(8)	<RecordCount>	Total number of DET records in report	4
Utility type	Char(1)	<UtilityType>	G (Gas) or E (Electricity)	E

10.1 Premise detail

Description	Type	O/M	Rule	Example
Record type	Char(1)	<RecordType>	Valid value: (P)remises	P
ICP	Char(15)	<ICP>	ICP for the Installation	0000075285CE D69
Meter box location code	Char(4)	<MeterLocation >	Code used by the Meter Owner for identifying location of meters (not validated). Can be null	RBWO
Meter box location free form	Char(50)	<MeterFreeform >	Freeform text describing additional info regarding meter location. Can be null	
Installation certification expirer	DATE DD/MM/YYYY Y	<ExpiryDate>	EGR Installation certification expiry date	01/10/2010
Install meter category	Int(1)	<MeterCat>	EGR Install meter category	1
Meter count	Int(3)	<MeterCount>	Number of meters installed. (There may be more Meter records below than this number)	2
Relay count	Int(3)	<RelayCount>	Number of relays installed	1
Free form notes	Char(50)	<NotesFreeform >	Additional info regarding installation. Can be null	Big Dog

10.2 Meter detail

Description	Type	O/M	Rule	Example
Record type	Char(1)	<RecordType>	Valid value: (M)eter	M
ICP	Char(15)	<ICP>	ICP for the Installation	0000075285CE D69
Action flag	Char(1)	<Action>	I = Installed R = Removed E = Existing, no change	I
Installation/Removed date	DATE DD/MM/YYYY	<InstallDate>	Date meter was installed removed, Optional otherwise. Can be Null	23/05/03
Meter owner	Char(4)	<MeterOwner>	TRUS	
Meter number	Char(15)	<MeterNo>	Meter number for the install	CE24592376
Serial number	Char(15)	<SerialNo>	Meter serial number for the install	CE24592376
Meter make	Char(30)	<MeterMake>	Meter make	GEC
Meter model	Char(30)	<MeterModel>	Meter model	E43B 3B
Meter type	Char(3)	<MeterType>	EGR Meter type (HHR, NHH, PP)	NHH
Phases	Int(1)	<Phases>	Number of phases connected to the meter	1
Meter rating	Int(4)	<MeterRating>	Maximum current rating for the meter	60
Meter voltage	Int(5)	<MeterVoltage>	Voltage of meter	240
Meter class	Num(2.2)	<MeterClass>	Measurement class for the meter	0.5
Register count	Int(2)	<RegisterCount >	Number of registers	1

10.3 Meter register detail

Description	Type	O/M	Rule	Example
Record type	Char(1)	<RecordType>	Valid value: (R)egister	R
ICP	Char(15)	<ICP>	ICP for the Installation	0000075285CE D69
Meter number	Char(15)	<MeterNo>	Meter number for the install	CE24592376
Serial number	Char(15)	<SerialNo>	Meter serial number for the install	CE24592376
Multiplier	Int(4)	<Multiplter>	Multiplier to be applied to the register	1
CT ratio	Char(6)	<CTRatio>	CT ratio applied to register eg: 2000/5. Can be null.	
Register number	Int(2)	<RegisterNo>	Number of this register	1
No dials	Int(2)	<DialCount>	Number of dials/digits on the meter	6
Decimal places	Int(1)	<Decimal>	Number of decimal places the meter records	0
Remote register exists	Char(1)	<RemoteRegister>	Register has a remote register attached. Y or N.	N
Register content - <u>description</u>	Char(64)	<RegisterContent>	<u>Code that describes the functionality of the meter register.</u> EGR code for Register content	UN
<u>Register content - P</u> period of availability	Int(2)	<AvailablePeriod>	<u>Code that describes the availability of electricity.</u> EGR code for period of availability	24
Unit of measure	Char(5)	<Units>	The units the register is measuring	kWh
Tariff	Char(25)	<Tariff>	Network Tariff to be applied Can be null.	CEL1SGP

Meter read date	DATE DD/MM/YYYY Y	<ReadDate>	Date of meter reading	01/08/2002
Reading	Char(10)	<Reading>	Reading for the register	001234

10.4 Relay detail

Description	Type	O/M	Rule	Example
Record type	Char(1)	<RecordType>	Valid value: (C)ontactor	C
ICP	Char(15)	<ICP>	ICP for the Installation	0000075285CE D69
Action flag	Char(1)	<Action>	I = Installed R = Removed E = Existing, no change	I
Installation/Removed date	Date DD/MM/YYYY Y	<InstallDate>	Date relay was installed removed, Optional otherwise. Can be null	23/05/03
Relay owner	Char(4)	<RelayOwner>	Relay owner code	TRUS
Relay number	Char(15)	<RelayNo>	Relay number for the install	AB142567
Serial number	Char(15)	<SerialNo>	Relay serial number for the install	AB142567
Relay make	Char(30)	<RelayMake>	Relay make. Can be null	ABB
Relay model	Char(30)	<RelayModel>	Relay model. Can be null	LCR-201
Relay Frequency	Int(4)	<RelayFreq>	Injection Frequency (hz)	350
Switch count	Int(2)	<SwitchCount>	Number of switches installed	1

10.5 Relay switch detail

Description	Type	O/M	Rule	Example
Record type	Char(1)	<RecordType>	Valid value: (S)witch	S
ICP	Char(15)	<ICP>	ICP for the Installation	0000075285CE D69
Action flag	Char(1)	<Action>	I = Installed R = Removed E = Existing, no change	I
Installation/Removed date	DATE DD/MM/YYYY	<InstallDate>	Date switch was installed removed, Optional otherwise. Can be null	23/05/03
Relay number	Char(15)	<RelayNo>	Relay number for the install	AB142567
Serial number	Char(15)	<SerialNo>	Relay serial number for the install	AB142567
Switch position	Int(1)	<SwitchPos>	Position of switch in Relay	1
Switch rating	Int(2)	<SwitchRating>	Current rating Amps	60
Switch voltage	Int(3)	<SwitchVoltage >	Voltage for switch	240
Switch type	Char(3)	<SwitchType>	Normally open or Changeover	N/O
Channel identifier	Char(30)	<Channel>	Identifies Ripple Relay channel	17WH32
Function ID	Char(30)	<Function>	Identifies switch function	17WH