

Electricity Information Exchange Protocols (EIEP)

EIEP13C: Request file for EIEP13 and EIEP13B

Regulated

Version 1.2

Effective from 26 July 2022



Version control

| Version | Date amended | Comments |
|---------|------------------|--|
| 1.0 | 1 February 2016 | |
| 1.1 | 19 December 2019 | Updated to reflect changes from the ACCES project, including: <ul style="list-style-type: none">• mandating the method of transfer• two fields removed: EIEP delivery method field, and email address field• two new fields: Authority expiry date field, and Statement of written authority field |
| 1.2 | 26 April 2022 | Increase the 'unique request identifier' field from 15 Char to 36 Char |

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1 EIEP 13C: Request file for EIEP 13A and EIEP 13B

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|--------------------------|---|
| Title: | EIEP 13C: Request file for EIEP 13A and EIEP 13B |
| Version: | 1.2 |
| Application: | This protocol allows a consumer to request consumption information or a consumer's authorised agent to request consumption information on behalf of the consumer (a Requester). The response sent by the retailer will be formatted in accordance with EIEP 13A or EIEP 13B and transmitted electronically. |
| Participants: | Retailers, Distributors. Could be an agent on behalf of a consumer or the recipient of a request. |
| Non-participants: | Authorised consumer agents who are not participants |
| Code reference: | Clause 11.32A – 11.32F |
| Dependencies: | The Code and procedures document also contains requirements relevant to the information to be provided in files that are created in accordance with this format specification. |

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| Description of when this protocol applies |
| This protocol allows a request for consumption information. The response sent by the retailer will be formatted in accordance with EIEP 13A or EIEP 13B and transmitted electronically via the Authority's prescribed EIE system. |

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| Business requirements |
| <ol style="list-style-type: none"> 1 The relevant Code provisions are set out in clauses 11.32A – 11.32F. The format in which information must be given to consumers (clause 11.32F(2)(b)) is the format specified in this document. 2 Information provided in the file must be consistent with the terminology used in the Glossary of Standard Terms published by the Authority. 3 A request for consumption information in this format must be submitted via the EIEP transfer hub. Requests in other formats may be submitted directly to retailers. 4 The file must be named in accordance with the registry functional specification EI-030. |

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| General requirements |
| <ol style="list-style-type: none"> 1 If there are any conflicts between this document and the Code, the Code will take precedence. 2 For clarity, it is the responsibility of retailers and the Requesters to: <ol style="list-style-type: none"> (a) comply with the Privacy Act (b) maintain business confidentiality when exchanging consumer details |

| General requirements |
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| <p>(c) ensure that agent arrangements are recorded.</p> <p>3 The receipt of a valid EIEP 13C request should trigger the release of an EIEP 13A or EIEP 13B formatted file in response.</p> |

| Data inputs |
|-------------------------|
| Electronic request form |

| Event data | Format | Retailer to Consumer: Mandatory/ Optional/ Conditional | Validation rules |
|---|------------|--|---|
| <i>Header record type</i> | Char 3 | M | HDR – indicates the row is a header record type |
| <i>File type</i> | Char 7 | M | Must be REQCONS. |
| <i>Sender</i> | Char 20 | M | Name of sending party. Authority-approved participant and non-participant identifiers must be used. |
| <i>Recipient Participant identifier</i> | Char 4 | M | Valid recipient participant identifier of the retailer the request is made to. |
| <i>Report run date</i> | DD/MM/YYYY | M | Date the report is run |
| <i>Unique request identifier</i> | Char 36 | M | Number that uniquely identifies the file |
| <i>Number of detail records</i> | Num 8 | M | Total number of DET records in report |

| Event data | Format | Consumer or consumers agent to retailer: Mandatory/ Optional/ Conditional | Validation rules |
|------------------------------|--------|---|---|
| <i>Detail record type</i> | Char 3 | M | DET – indicates the row is a detail record of consumption information. |
| <i>EIEP format requested</i> | Char 7 | M | Must be either “EIEP13A” or “EIEP13B” depending on Requester’s requirements. If both are required for a single consumer, two DET rows must be included. |

| Event data | Format | Consumer or consumers agent to retailer: Mandatory/ Optional/ Conditional | Validation rules |
|---------------------------------------|---------------|--|--|
| <i>Consumer Authorisation code</i> | Char 20 | O | A unique character code that links the consumer's authorisation of the data to the data file if an authorisation code has been previously agreed with the retailer To be provided where a code has been agreed by both parties otherwise BLANK |
| <i>Authority expiry date</i> | DD/MM/YYYY | M | The end date of the authority of the Requester (if an agent). Can be no more than 24 months from the request date. |
| <i>Statement of written authority</i> | Char 3 | M | The Requester has obtained a written authority from the consumer in the form and containing the information required by Schedule 11.6 of the Code, being an authority that remains in force at the date the request is made. Must be either "Yes" or "No" |
| <i>Consumer no</i> | Char 15 | M | Trader's consumer number. Defined as the retailer's unique ID that links the premises and the consumer. If not available then use null. |
| <i>Customer name</i> | Char 100 | M | Legal name or the name of the consumer that is shown on the consumers invoice. Must be the responsible person recorded by the retailer against the ICP for a period within the last 2 years Multiple names to be concatenated into one field |
| <i>ICP identifier</i> | Char 15 | M | ICP identifier means a unique identifier for an ICP created by a distributor in accordance with clause 1 of Schedule 11.1 |
| <i>Install address unit</i> | Char 25 | M | Sub dwelling number; Level of sub dwelling that is shown on the consumers invoice. Can be BLANK. |
| <i>Install address number</i> | Char 6 | M | Number issued by government agency or local government authority that identifies a point or location on a street for postal purposes that is shown on the consumers invoice. Can be BLANK. |
| <i>Install address street</i> | Char 30 | M | Official road name issued by government agency or local government authority that is shown on the consumers invoice. Can be BLANK. |
| <i>Install address suburb</i> | Char 30 | M | A bounded locality within a city, town or shire principally of urban character that is shown on the consumers invoice. Can be BLANK. |

| Event data | Format | Consumer or consumers agent to retailer: Mandatory/ Optional/ Conditional | Validation rules |
|--------------------------------------|---------------|--|---|
| <i>Install address PO Box/RD</i> | Char 30 | M | Number assigned a postal delivery box or rural delivery number that is shown on the consumers invoice. Can be BLANK. |
| <i>Install address town</i> | Char 30 | M | An officially recognised and named population centre, defined within a geographic boundary that is shown on the consumers invoice. Can be BLANK. |
| <i>Install address postcode</i> | Char 30 | M | The post code assigned by NZ post (zip code if outside NZ) that is shown on the consumers invoice. Can be BLANK. |
| <i>Install address country</i> | Char 30 | M | The country for postal information that is shown on the consumers invoice. Can be BLANK. |

| Protocol specifications |
|---|
| <ol style="list-style-type: none"> 1 The information must be provided as a comma-delimited text file (CSV). Commas are therefore prohibited within fields. 2 Each formatted file must consist of one or more records, with each record being a single line of text as defined in this format specification document. Records must be delimited with one of the following: <ol style="list-style-type: none"> (a) a carriage return character and a line feed character combination (ASCII characters 13 and 10) commonly used in the Microsoft Windows operating system (b) a line feed character (ASCII character 10) commonly used in the Unix operating system, or (c) a carriage return character (ASCII character 13) commonly used in the Apple OS X operating system. 3 Data fields within files must be defined using the attributes in the table following these specifications. 4 Matching of file names, code list values, etc, must be case insensitive. 5 Any number of ICPs, register content codes and date range may be included in a single file. 6 Each data file must contain only one header line. 7 The first record of a file must contain "Header" information followed by zero or more detail lines. 8 File naming process shall be in accordance with the registry functional specification EI-030 |

| Data outputs |
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| <ol style="list-style-type: none"> 1. File delivered electronically to a retailer from a consumer or the consumer's agent |

2 Table of codes used in EIEP 13C

1.1 Table 1 List of attributes to define data fields used in EIEP 13C

| Logical format | Data type | Rules | Example |
|----------------|-----------|--|---|
| INT (n) | Integer | <p>ASCII representation of an integer number (ie no decimals), no leading zeros, no spaces, a leading "-" if negative (no sign if positive), with 1 to n digits.</p> <p>Numbers only: ASCII characters 48 to 57, and 45 where applicable.</p> | <p>INT (4)</p> <p>12</p> <p>-1234</p> |
| NUM (n.d) | Decimal | <p>ASCII representation of a decimal number (ie a rational number), no spaces, a leading "-" if negative (no sign if positive), with up n digits including up to (n minus d) digits to the left of the decimal place, and up to d digits to the right of the decimal place.</p> <p>For integers, the decimal point is not required.</p> <p>A decimal point on its own must not be used to represent zero (use "0")</p> <p>Trailing zeros are optional.</p> <p>No leading zeros other than when the number starts with "0."</p> <p>Numbers only: ASCII characters 48 to 57, and 45/46 where applicable.</p> | <p>NUM (6.2)</p> <p>123.45</p> <p>1234.0</p> <p>-12.32</p> <p>NUM (6.3)</p> <p>-0.123</p> <p>23.987</p> <p>987.000</p> <p>8</p> |
| CHAR (n) | Text | <p>Up to n characters (ASCII characters 32 to 43 and 45 to 126 only).</p> <p>As commas (ASCII character 44) are used as field separators, they must not be used within the field data (it is recommended that any commas found in source data be changed to a semi-colon (ASCII character 59) when files are created.</p> <p>Fields must not contain any leading or trailing spaces.</p> | The quick brown fox |
| DATE | Date | <p>ASCII format DD/MM/YYYY</p> <p>Year represented as:</p> <p>— YYYY for century and year</p> <p>Month represented as:</p> <p>— MM to display leading zero</p> <p>Day represented as</p> <p>— DD to display leading zero</p> <p>ASCII format for separator {forward slash (47)}</p> | 16/02/2005 |
| BLANK | | Field contains no data (appears as two sequential commas (,) in the file) | ," |

1.2 Table 2 ASCII character set for use within fields of EIEP 13C

| Character | ASCII |
|-----------|-------|
| 32 | Space |
| 33 | ! |
| 34 | " |
| 35 | # |
| 36 | \$ |
| 37 | % |
| 38 | & |
| 39 | ' |
| 40 | (|
| 41 |) |
| 42 | * |
| 43 | + |
| | |
| 45 | - |
| | |
| 46 | . |
| 47 | / |
| 48 | 0 |
| 49 | 1 |
| 50 | 2 |
| 51 | 3 |
| 52 | 4 |
| 53 | 5 |
| 54 | 6 |
| 55 | 7 |
| 56 | 8 |
| 57 | 9 |
| 58 | : |
| 59 | ; |
| 60 | < |
| 61 | = |
| 62 | > |
| 63 | ? |

| Character | ASCII |
|-----------|-------|
| 64 | @ |
| 65 | A |
| 66 | B |
| 67 | C |
| 68 | D |
| 69 | E |
| 70 | F |
| 71 | G |
| 72 | H |
| 73 | I |
| 74 | J |
| 75 | K |
| 76 | L |
| 77 | M |
| 78 | N |
| 79 | O |
| 80 | P |
| 81 | Q |
| 82 | R |
| 83 | S |
| 84 | T |
| 85 | U |
| 86 | V |
| 87 | W |
| 88 | X |
| 89 | Y |
| 90 | Z |
| 91 | [|
| 92 | \ |
| 93 |] |
| 94 | ^ |
| 95 | _ |
| 96 | ` |

| Character | ASCII |
|-----------|-------|
| 97 | a |
| 98 | b |
| 99 | c |
| 100 | d |
| 101 | e |
| 102 | f |
| 103 | g |
| 104 | h |
| 105 | i |
| 106 | j |
| 107 | k |
| 108 | l |
| 109 | m |
| 110 | n |
| 111 | o |
| 112 | p |
| 113 | q |
| 114 | r |
| 115 | s |
| 116 | t |
| 117 | u |
| 118 | v |
| 119 | w |
| 120 | x |
| 121 | y |
| 122 | z |
| 123 | { |
| 124 | |
| 125 | } |
| 126 | ~ |
| | |
| | |
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Glossary of abbreviations and terms

| | |
|------------------|---|
| Act | Electricity Industry Act 2010 |
| Authority | Electricity Authority |
| Consumer | means a person who is supplied electricity for consumption, and includes a distributor, a retailer or a generator if the distributor, or the retailer or the generator is supplied with electricity for its own consumption |
| CSV | Comma separated values |
| EIEP | Electricity Information Exchange Protocol |
| ICP | Installation Control Point |
| kWh | Kilowatt hour |
| Requester | The consumer or authorised agent of a consumer making a request for consumption information of the consumer |