

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

Title:	EIEP 13C: Request file for EIEP 13A and EIEP 13B
Version:	1.0
Application:	This protocol allows a consumer's authorised agent to request consumption information on behalf of the consumer. The response sent by the retailer will be formatted in accordance with EIEP 13A or EIEP 13B and transmitted electronically.
Participants:	Retailers
Non-participants:	Authorised consumer agents
Code reference:	Clause 11.32A – 11.32F (effective from 1 February 2016)
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.

Description of when this protocol applies

This protocol allows a consumer's authorised agent to request consumption information on behalf of the consumer. The response sent by the retailer will be formatted in accordance with EIEP 13A or EIEP 13B and transmitted electronically.

Business requirements

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. The file must be named in accordance with the registry functional specification EI-030.

General requirements

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 consumer's authorised agents to:
 - (a) comply with the Privacy Act
 - (b) maintain business confidentiality when exchanging consumer details

General requirements
<p>(c) ensure that agent arrangements are recorded.</p> <p>3. The receipt of a valid EIEP 13C request from an authorised agent 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 15	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 agent’s requirements. If both are required for a single customer, two DET rows must be included.

Event data	Format	Consumer or consumers agent to retailer: Mandatory/ Optional/ Conditional	Validation rules
<i>EIEP delivery method</i>	Char 7	M	EIEP13A and/or EIEP 13B can be delivered via either email or the registry data hub <ul style="list-style-type: none"> • "EMAIL" indicates a valid email address must be provided • "DATAH" indicates that a valid participant or non-participant identifier must be provided that has access to the registry data hub
<i>Consumer Authorisation code</i>	Char 20	C	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 Mandatory where a code has been agreed otherwise BLANK
<i>Consumer no</i>	Char 15	M	Trader's consumer number. Defined as the retailer's unique ID that links the premises and the customer. If not available then use null.
<i>Customer name</i>	Char 100	M	Legal name or the name of the customer that is shown on the customers 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>Email address</i>	Char 50	M	Mandatory if "EMAIL" entered in EIEP delivery method otherwise BLANK.
<i>Install address unit</i>	Char 25	M	Sub dwelling number; Level of sub dwelling that is shown on the customers 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 customers invoice. Can be BLANK.

Event data	Format	Consumer or consumers agent to retailer: Mandatory/ Optional/ Conditional	Validation rules
<i>Install address street</i>	Char 30	M	Official road name issued by government agency or local government authority that is shown on the customers 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 customers invoice. Can be BLANK.
<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 customers 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 customers 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 customers invoice. Can be BLANK.
<i>Install address country</i>	Char 30	M	The country for postal information that is shown on the customers 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.

Protocol specifications
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
1. File delivered electronically to a retailer from a consumer or the consumer's agent

1 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>

Logical format	Data type	Rules	Example
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	~

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