Electricity Information Exchange Protocols (EIEP)

EIEP13C: Request file for EIEP13A and EIEP13B

Regulated

Version 2.03

Effective from 1 April 2027

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: • 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
2.0DRAFT	16 February 2026	Draft following consultation with industry and interested parties Jan-Feb 2026
2.01DRAFT	14 September 2026	Clarifications and markup vs v1.2
2.02DRAFT	16 September 2026	Version for consultation
2.03	23 October 2026	Version published for use from 1 April 2027

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

Title:	**EIEP 13C: Request file for EIEP 13A and EIEP 13B**
Version:	2.03
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 Requestor). 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 who are not participants
Code reference:	Clauses 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.

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.

Business requirements
1 The relevant Code provisions are set out in clauses 11.32A – 11.32F. 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 (EIEP13C) 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.

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 Requestors to: (a) comply with the Privacy Act 2020 (b) maintain business confidentiality when exchanging consumer details (c) ensure that agent arrangements are recorded. 3 The receipt of a valid EIEP 13C request should trigger the release of an EIEP 13A or EIEP 13B formatted file in response.

Data inputs
Electronic request form

Event data	**Format**	**Mandatory / Optional / Conditional**	**JSON Key**	**Validation rules**
Header record type	Char 3	M	(root element)	HDR – indicates the row is a header record type
File type	Char 7	M	FileType	Must be REQCONS.
Version of EIEP	Num 3.1	M	Version	Version of EIEP that is being used for this file. Currently "2.0".
Sender	Char 20	M	Sender	Name of sending party. Authority-approved participant and non-participant identifiers must be used.
Recipient Participant identifier	Char 4	M	Recipient	Valid recipient participant identifier of the retailer the request is made to.
Report run date	ISO8601 date/time	M	RunDateTime	Date and time of request, in full ISO 8601 date-time form : *YYYY-MM-DD***T***HH:MM:SS±zzzz*
Unique request identifier	Char 36	M	RequestId	Number that uniquely identifies the file
Number of detail records	Num 8	M	RecordCount	Total number of DET records in report

Event data	Format	Mandatory / Optional / Conditional	JSON Key	Validation rules
Detail record type	Char 3	M	RequestDetails[]	DET – indicates the row is a detail record of consumption information.
EIEP format requested	Char 7	M	IntervalCode	Must be either “EIEP13A” or “EIEP13B” depending on Requestor’s requirements. If both are required for a single consumer, two DET rows must be included.
Request period start	ISO 8601 Date	O	RequestStart	Start of request period (inclusive), if less than 24 months. Filtering hint only - recipient may provide all data. BLANK if no filtering requested.
Request period end	ISO 8601 Date	O	RequestEnd	End of request period (inclusive), if less than 24 months. Filtering hint only - recipient may provide all data. BLANK if no filtering requested.
Request meter channels	Char 50	O	RequestChannels	Space-separated (CSV) or list object (JSON) list of channels or Direction-RCC-PoA indicators. Filtering hint only - recipient may provide all data. BLANK if no filtering requested.
Include reactive energy	Char 3	O	IncludeReactive	Request inclusion of reactive energy (”Yes” or “No”). Filtering hint only - recipient may provide all data. BLANK if no filtering requested.
Consumer Authorisation code	Char 36	O	ConsumerAuthCode (*same as 13A/B)*	A unique character code that links the consumer’s authorisation to the request and response to aid the Requestor in tracking the authorisation if challenged by the retailer or consumer. To be provided where the use of such codes has been agreed by both parties otherwise BLANK.
Authority expiry date	ISO8601 Date	C	AuthExpiry	The end date of the authority of the Requestor (if an agent). Can be no more than 24 months from the request date. Blank if no Statement of Written Authority exists.
Statement of written authority	Char 3	M	HasAuthStatement	The Requestor 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”; "No" implies that the Requestor (if an agent) has agreed an alternative form of authority assurance with the retailer.
Consumer no	Char 15	M	ConsumerNumber	Trader's consumer number. Defined as the retailer’s unique ID that links the premises and the consumer.
Customer name	Char 100	M	CustomerName	Legal name or the name of the consumer that is shown on the consumer’s invoice. Must be the responsible person recorded by the retailer against the ICP for a period within the last 24 months. Multiple names to be concatenated into one field
ICP identifier	Char 15	M	ICP	ICP identifier means a unique identifier for an ICP created by a distributor in accordance with clause 1 of Schedule 11.1

Protocol specifications

1. The EIEP 13C specification may be used to structure:
    a. Comma delimited text files (CSV): refer to point 6 below for requirements and restrictions.
    b. JSON files or API responses: refer to point 7 below for requirements and restrictions.
2. To accommodate limitations in some retailers' legacy systems and allow EIEP13C files to be transformed between JSON and CSV,
    a. the character encoding must be UTF-8, and
    b. the character set used in files must be restricted to the US-ASCII subset shown in Appendix A.2, unless otherwise agreed by sender and recipient e.g. to represent macrons in te reo Māori.
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 ranges may be included in a single file or response.
6. Where the protocol specification is used to structure a CSV file:
    a. 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.
    b. The file must follow the CSV conventions set out in RFC 4180 with the exception that recipients must allow line terminators conforming any of the following formats:
        i. a carriage return character and a line feed character combination (ASCII characters 13 and 10) commonly used in the Microsoft Windows operating system
        ii. a line feed character (ASCII character 10) commonly used in the Unix operating system, or
        iii. a carriage return character (ASCII character 13) formerly used in the legacy Apple MacOS operating system.
    c. Senders should avoid the use of commas and double quotation marks within fields wherever possible, but if their use cannot be avoided, senders of CSV files must apply the quotation and escaping conventions described in RFC 4180 Section 2, and recipients must recognise these conventions
    d. The first line of the file must contain header information (Type "HDR"). Each data file must contain only one header line.
    e. One or more lines containing detail records (Type "DET") follow the header line.
    f. Each record in the file must include every field for the corresponding record type defined in the specification above.
    g. Any null/blank fields are to be represented by consecutive commas according to the CSV convention.
7. Where the protocol specification is used to structure a JSON file or API response:
    a. JSON keys (field names) must follow the definitions specified in the tables.
    b. Any null/blank fields may be represented by omitting the key-value pair (preferred) or setting the value to *null*.
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

2 Table of codes used in EIEP 13C

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

Logical format	Data type	Rules	Example
INT (n)	Integer	ASCII representation of an integer number (i.e. no decimals), no leading zeros, no spaces, a leading "-" if negative (no sign if positive), with 1 to n digits. Numbers only: ASCII characters 48 to 57, and 45 where applicable.	INT (4) 12 -1234
NUM (n.d)	Decimal	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. For integers, the decimal point is not required. A decimal point on its own must not be used to represent zero (use "0") Trailing zeros are optional. No leading zeros other than when the number starts with "0." Numbers only: ASCII characters 48 to 57, and 45/46 where applicable.	NUM (6.2) 123.45 1234.0 -12.32 NUM (6.3) -0.123 23.987 987.000 8
CHAR (n)	Text	Up to n characters (ASCII characters 32 to 43 and 45 to 126 only). As commas (ASCII character 44) are used as field separators, senders should avoid the use of commas and double quotation marks within fields wherever possible, but if their use cannot be avoided, senders of CSV files must apply the quotation and escaping conventions described in RFC 4180 Section 2, and recipients must recognise these conventions Fields must not contain any leading or trailing spaces.	The quick brown fox
ISO8601 Date	Date	ASCII format YYYY-MM-DD with: Year represented as: — YYYY for century and year Month represented as: — MM to display leading zero Day represented as: — DD to display leading zero ASCII format for separator: {hyphen (45)}	March 1st 2026: 2026-03-01

ISO8601 Date/Time	DateTime	ASCII format: *YYYY-MM-DD***T***HH:MM:SS*±*zzzz* Year represented as: — YYYY for century and year Month represented as: — MM to display leading zero Day represented as: — DD to display leading zero Hour represented as: — HH to display leading zero Minute represented as: — MM to display leading zero Second represented as: — SS to display leading zero Time zone offset from UTC: — plus or minus zzzz being the hours and minutes ahead of (+) or behind (-) UTC; +1300 for NZDT; +1200 for NZST. UTC is represented as the letter 'Z'. ASCII format for separators: { hyphen (47), capital letter 'T' (84), colon (58) }	e.g. Times in Wellington, NZ: **4th March 2026, 12:30 PM**: "2026-03-04T12:30:00+1300" (NZDT) = "2026-03-03T23:30:00Z" (UTC) **4th June 2026, 12:30 PM:** "2026-06-04T12:30:00+1200" (NZST) = "2026-06-04T00:30:00Z" (UTC) Times in Waitangi, Chatham Islands, NZ **4th March 2026, 12:30 PM:** "2026-03-04T12:30:00+1345" (CHADT) = "2026-03-03T22:45:00Z" (UTC) **4th June 2026, 12:30 PM:** "2026-06-04T12:30:00+1245" (CHAST) = "2026-06-03T23:45:00Z" (UTC)
BLANK	None/null	Field contains no data - appears in the CSV file as two sequential commas (,,) and in JSON as an omitted key-value pair or the value *null.*	,,

2.2 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	+
44	,
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	_

Character	ASCII
96	`
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	~

Avoid the use of comma (,) and double quote (") where possible.

3 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
Requestor	The consumer or authorised agent of a consumer making a request for consumption information of the consumer