

GIEP13B – Summary consumption information

Version control

Version	Updated	GIEP reference	Comments
1.0	28 July 2026	GIEP13B	This protocol provides a data exchange method and guidance for participants. Existing arrangements may continue to apply where participants have not adopted this protocol. Available for use from: 1 October 2026

Purpose

This protocol specifies how retailers must provide summary consumption information.

Description of when this protocol applies

This protocol applies when a consumer or a consumer's authorised agent requests summary consumption information. If a retailer receives a request for consumption data from a consumer or a consumer's authorised agent, the retailer must send the consumption information in a data file formatted in accordance with this GIEP13B.

Business requirements

1. Retailer's must give consumption information to consumers in the format specified in this document.
2. The following filename convention is to be used:
 - a. Sender + Utility Type + Recipient + File type + Report Month + Report Run Date + Unique ID# (e.g. hhmm run time) and the components concatenated using the underscore character, to assist readability.
 - b. e.g. CTCT_G_UNLG_SUMCONS_201003_20100316_1232.txt
 - c. [Char4_Char1_Char4_Char7_yyyymm_yyyymmdd_Char60.txt]
 - d. Each component of the file name has the same definition as used within the file headers.
3. Consumers may choose whether to receive an output file as a CSV-formatted electronic file by email, or as printed output in a table format or similar by post.
4. If a request for GIEP13B is received from a consumer's authorised agent (e.g. an existing participant such as a retailer) via the Gas Registry system, the response must be sent via the Gas Registry System.
5. Gas conveyed is to be expressed as compensation-corrected volumes relevant to a date and time period that is defined by a start date/time value and end date/time value.
6. The time period used in GIEP13B formatted information must match the billed consumption information that the retailer has supplied to the consumer.
7. Any read period comprising date and time can be accommodated using this format, whether monthly, weekly, daily, or certain parts of a day:
 - a. If the interval of a consumption record is less than one whole day, the Time part of the DateTime formatted value must reflect the appropriate hours, minutes and seconds of the record (e.g. a half hour trading period record could have a start date/time of "01/03/2016 00:30:01" and an end date/time of "01/03/2016 01:00:00"). For clarity, the last period of that day can be shown as a start datetime of 01/03/2016 11:30:01" and an end date/time of either "02/03/2016 00:00:00" or "01/03/2016 24:00:00").
 - b. If the interval of a record is equal to or longer than one whole day, the Time part of the DateTime format is to be coded as 00:00:01 (e.g. a consumption record for the period 1 May 2016 to 5 June 2016 (inclusive) would have a start date/time of "01/05/2016 00:00:01" and an end date/time of either "06/06/2016 00:00:00" or "05/06/2016 24:00:00").
8. A retailer must only use codes (e.g. response codes) that are stipulated in this document.
9. The file must contain all mandatory information as described under column Rule for file name and detail format. Failure will result in the file being deemed as incomplete.

10. Information must be provided in accordance with the following status codes unless otherwise specified:
 - a. O Optional
 - b. M Mandatory where applicable
 - c. C Conditional - Mandatory if available and required by recipient (also refer to validation rules).
11. The consumption information to be provided in a GIEP13A formatted file is the energy volume at a meter register on the requested ICP within a specified time period, after any 'multiplier' or compensation factor has been applied to the meter read, in units of:
 - a. Gigajoules (GJ); or
 - b. Kilowatt hours (kWh)
12. Unmetered load is to be calculated as the volume of unmetered gas applicable for the period between invoicing dates.
13. The amount of historical consumption information to be provided by the retailer in response to a consumer request is any period in the 24 months preceding the request. This applies to retailers who have an existing contract to supply gas, and retailers who have had a contract in the last 24 months.
14. If the retailer becomes aware of a format error in a transmitted file, or the file is incomplete or otherwise inaccurate, the retailer must advise the consumer as soon as practicable after becoming aware of the issue.
15. If previously transmitted information is to be corrected, the retailer must provide a complete replacement file.
16. All DateTime formatted data must be NZDT (New Zealand Daylight Savings time) values.
 - a. Any information exchanged between participants must, if applicable, be adjusted for NZDT.
 - b. This requires that daylight saving adjustment periods are allocated as consecutive consumption periods within the relevant day, in the sequence that they occur.
 - c. If no adjustment is made for NZDT to information exchanged between reconciliation participants, the code "NZST" must be used within the data transfer file.

General requirements

1. If there are any conflicts between this document and the use of service agreement in place between a retailer and distributor, the use of service agreement will take precedence.
2. For clarity, it is the responsibility of retailers to:
 - a. Comply with the Privacy Act
 - b. Maintain business confidentiality when exchanging consumer details
 - c. Ensure that agent arrangements are recorded

File Header Format

Event data	Format	Retailer to Consumer: Mandatory/ Optional/ Conditional	Validation rules	Example
Header record type	Char (3)	M	HDR – Indicates the row is a header record type	HDR
File type	Char (7)	M	Detailed consumption information	SUMCONS
GIEP Version	Num (3.1)	M	Version of GIEP protocol that is being used for this file	0.1 or 9.5 or 1.0
Sender	Char (4)	M	Party code of sender	CTCT
Recipient	Char (4)	M	Consumer this should be CUST. If acting through an agent, use the agent's participant code. Example: If Nova requests CTCT data because the customer recently switched from CTCT to GNVG, use code GNVG	CUST
Report Run Date	DD/MM/YYYY	M	Date the report is run	16/03/2015
Unique request identifier	Char (36)	M	The unique request identifier as provided in the request in GIEP13C.	1564845621
Response code	Char (3)	M	Indicates that the request for the specific ICP identifier is either accepted or rejected. The following codes must be used: 000 – Request accepted, data follows 001 – Request rejected, no ICP or address or customer match 002 – Request rejected, no ICP record 003 – Request rejected, no customer record 004 – Request rejected, no agent authority 005 – Request rejected, agent authority requested 006 – Request rejected, incorrect format If Response code is 000, all of the following fields are required per the field specifications. If a Response code is 001, 002, 003, or 004, the following DET records only require the ICP to be populated.	000
Number of detail records	Int (8)	M	Total number of records in report	5
Report period start date	DD/MM/YYYY	M	Report run start date (inclusive)	25/03/2014

Event data	Format	Retailer to Consumer: Mandatory/ Optional/ Conditional	Validation rules	Example
Report period end date	DD/MM/YYYY	M	Report run end date (inclusive)	20/01/2015
NZDT adjustment	Char (4)	C	If information is NZDT, the field may be left BLANK (i.e. null), otherwise if it is not adjusted, 'NZST' must be used.	NZST

File Detail Format – Column Headings

Event data	Format	Optional/ Mandatory/ Conditional	Validation rules
Title column 1	Char (3)	M	DES – indicates the row is field descriptions, to align with columns in detail records
Title column 2	Char (30)	M	Must be “ICP identifier”
Title column 3	Char (30)	M	Must be “Meter serial number”
Title column 4	Char (30)	M	Must be “Read period start date and time”
Title column 5	Char (30)	M	Must be “Read period end date and time”
Title column 6	Char (30)	M	Must be “Read status”
Title column 7	Char (30)	M	Must be “Energy”
Title column 8	Char (30)	M	Must be “Unit of measure”

File Detail Format – Column Details

Event data	Format	Retailer to Consumer: Mandatory/ Optional/ Conditional	Validation rules	Example
Detail record type	Char (3)	M	DET – Indicates the row is a detail record	DET
ICP identifier	Char (15)	M	ICP 15-character unique identifier	0000028817GN10A
Meter ID	Char (15)	C	Meter serial number. For unmetered load “UNM” must be used.	8055419
Read period start date and time	DD/MM/YYYY HH:MM:SS	C	Date and time of start of read period. Mandatory unless response code is 001, 002, 003 or 004	25/03/2014 00:00:01
Read period end date and time	DD/MM/YYYY HH:MM:SS	C	Date and time of end of read period. Mandatory unless response code is 001, 002, 003 or 004	20/01/2015 00:00:00
Read status	Char (2)	C	RD = actual read ES = estimated read Mandatory unless response code is 001, 002, 003 or 004	RD

Event data	Format	Retailer to Consumer: Mandatory/ Optional/ Conditional	Validation rules	Example
Energy	Num (12.2)	C	Volume consumption information Mandatory unless response code is 001, 002, 003 or 004	6
Unit of measure	Char (3)	C	Specifies the unit of measure for unit quantity. Must be one of: GJ, kWh Mandatory unless response code is 001, 002, 003 or 004	GJ

Protocol specifications

1. The information is to be 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:
 - 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 and date ranges 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 (HDR) followed by one heading description row (DES) followed by zero or more detail rows (DET).

Table of codes used in GIEP13B

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 (i.e. a rational number), no spaces, a leading “-” if negative (no sign if positive), with up to 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, 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. Fields must not contain any leading or trailing spaces.	The quick brown fox
DATE	Date	ASCII format DD/MM/YYYY 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 {forward slash (47)}	16/02/2005
DATETIME	DateTime	ASCII format DD/MM/YYYY HH:MM:SS Year represented as: — YYYY for century and year Month represented as: — MM to display leading zero	16/03/2015 09:30 (Note the ASCII ‘space’ separator between YYYY and HH)

Logical format	Data type	Rules	Example
		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 ASCII format for separators {forward slash (47), colon (58), space (32)}	
BLANK		Field contains no data (appears as two sequential commas),, in the file)	,,

ASCII character set for use within fields of EIEP13B

Character	ASCII	Character	ASCII	Character	ASCII
32	Space	64	@	97	a
33	!	65	A	98	b
34	"	66	B	99	c
35	#	67	C	100	d
36	\$	68	D	101	e
37	%	69	E	102	f
38	&	70	F	103	g
39	'	71	G	104	h
40	(	72	H	105	i
41	)	73	I	106	j
42	*	74	J	107	k
43	+	75	K	108	l
		76	L	109	m
45	-	77	M	110	n
46	.	78	N	111	o
47	/	79	O	112	p
48	0	80	P	113	q
49	1	81	Q	114	r
50	2	82	R	115	s
51	3	83	S	116	t
52	4	84	T	117	u
53	5	85	U	118	v
54	6	86	V	119	w
55	7	87	W	120	x
56	8	88	X	121	y
57	9	89	Y	122	z
58	:	90	Z	123	{
59	;	91	[	124	
60	<	92	\	125	}
61	=	93	]	126	~
62	>	94	^		
63	?	95	_		
		96	`		

File example

File Header Format:

HDR,SUMCONS,1.0,CTCT,CUST,16/03/2015,1564845621,000,5,25/03/2014,20/01/2015,NZST

File Detail Column Names:

DES, ICP Identifier, meter serial number, read period start date and time, read period end date and time, read status, energy, unit of measure

File Detail Column Data:

DET,0000028817GN10A,8055419,25/03/2014 00:01,20/05/2014 00:00,RD,6,GJ
DET,0000028817GN10A,8055419,20/05/2014 00:01,18/07/2014 00:00,RD,369,GJ
DET,0000028817GN10A,8055419,18/05/2014 00:01,22/07/2014 00:00,RD,25,GJ
DET,0000028817GN10A,8055419,22/07/2014 00:01,25/11/2014 00:00,RD,788,GJ
DET,0000028817GN10A,8055419,25/11/2014 00:01,20/01/2015 00:00,RD,350,GJ

Electronic output file viewed as an Excel file (with some formatting)

HDR	SUMCONS	CTCT	AGNT	16/03/2015	1564845621	0	5		25/03/2014	20/01/2015	NZST
DES	ICP Identifier	meter serial number	read period start date and time	read period end date and time	read status	energy	unit of measure				
DET	0000028817GN10A	8055419	25/03/2014 0:01	20/05/2014 0:00	RD	6	GJ				
DET	0000028817GN10A	8055419	20/05/2014 0:01	18/07/2014 0:00	RD	369	GJ				
DET	0000028817GN10A	8055419	18/07/2014 0:01	22/07/2014 0:00	RD	25	GJ				
DET	0000028817GN10A	8055419	22/07/2014 0:01	25/11/2014 0:00	RD	788	GJ				
DET	0000028817GN10A	8055419	25/11/2014 0:01	20/01/2015 0:00	RD	350	GJ				