



Te Kaporeihana Āwhina Hunga Whara

Invoice API Specification

Software Specification

Version 33, April 2024

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VERSION HISTORY

Date	Version	Change
June 2019	28	
March 2022	29	Invoice Number Generation - relaxing of the rule around the use of 'W' (removing the requirement to have it).
May 2022	30	Update of PO Number from 6 – 7 characters to 6 – 10 characters. Sections affected: <ul style="list-style-type: none"> 6.2.4 (<i>Limit, Error Condition and Error Message</i> sections) 6.6.1 (<i>Note and Error Message</i> sections)
August 2023	31	Changed invoice/ invoiceId to invoice/ contractId to match API schema in: <ul style="list-style-type: none"> 5.5 (ACC contract identifier)
28 August 2023	32	5.1 (<i>Schedule Number</i>) <ul style="list-style-type: none"> Changed error message to reflect the actual error message issued by the API. Change in red: <i>“This field must start with a number or a letter (but not “W”). Each remaining character (up to 10 total) can be a letter, digit, space, hyphen, or underscore”.</i> Changed invoice/InvoiceNumber to what it should be: invoice/invoiceID
April 2024	33	Section 6.3.1 (<i>Provider Identifier</i>) <ul style="list-style-type: none"> Populated Provider Identifier with details removed from the Common (Core) specification enabling more clarity around error messaging.

RELEASE NOTES

Release notes can be found on the developer portal <https://developer.acc.co.nz/release-notes>

1 INVOICE API : OVERVIEW

This document specifies the API for submitting a schedule of invoices, for processing by the ACC API. The endpoint is:

- POST /claims/vendors/invoice

(insert '/https://<environment>/<version>', as required, between 'POST ' and the rest of the URI).

The specification 'Query invoices and payments' describes how vendors can find information about submitted invoices, and payments made.

This document specifies:

- fields used only in this API
- variations and extensions to the core specifications, overriding the common validations
- user interface suggestions for fields where this is not given in the core specification.

For all other details, please refer to the Core specification.

The 'UI suggestion' value shows what a user might think the field is intended for, and what content to expect. It's not a required standard — the user experience is up to you

The API specifies the following dates, with the following limits.

Earlier limit	Date of	Later limit	Section
1900-01-01	declaration	current date	5.2
1972-01-01	accident	declaration date	6.1.3
2000-01-01	service	2099-12-31	6.2.2
1900-01-01	patient's birth	accident date if present, otherwise the current date	6.4.5

Table 1: Sequence of dates

1.1 PAYLOAD STRUCTURE

The API payload comprises the following:

Structure	includes	Instances allowed	See section
Standard header	(no content)	one	2
Message	source and information	one	3
Vendor		one	4
Schedule header	includes the contract ID	one	5
Schedule line	(that is, 'invoice')	1-200	6
	line number, claim ID, accident date	one set per line	6.1
	line details: service date, PO number, billing	one set per line	6.2
	service item codes	1-5 per line	6.2.1
	provider	one per line	6.3
	patient	one per line	6.4
	line details: invoice comment, invoice amount	one set per line	6.6
Schedule trailer	number of lines invoice total	one	7
Standard trailer	End of run description	one	8
Message control		one	9

Table 2: Invoice request structure

1.2 VALIDATE AND MAP THE REQUEST

The rest of this document describes the validation rules and user-interface suggestions specific to this API.

See the Core specification for all details not specified here, including section 3, Standard behaviour, and section 4, Common input for submissions.

2 ACC STANDARD HEADER

The API creates this required element.

3 MESSAGE SOURCE AND INFORMATION

3.1 MESSAGE SOURCE

3.1.1 PMS SOFTWARE NAME

API JSON	pmsSoftwareName
Required?	Yes
Note	Core

3.1.2 PMS SOFTWARE VERSION

API JSON	pmsSoftwareVersion
Required?	Yes
Note	Core

3.2 DOCUMENT DATA

The API sets the following values:

- document date: the current date
- document time: midnight
- application name and version of the document source: the pmsSoftwareName and pmsSoftwareVersion values provided, concatenated with a space separator, and truncated to 30 characters if the result is too long.

3.3 ACC DOCUMENT GATEWAY

The API sets this value to 'A'.

4 VENDOR

4.1 VENDOR NAME

API JSON	invoice/vendor/vendorName
Required?	Yes
Data type	string
Limit	1-60 characters
UI suggestion	Vendor name
Note	May contain spaces

4.2 VENDOR IDENTIFIER

API JSON	invoice/vendor/vendorId
Required?	Yes
Data type	string
Format	1-12 characters
Note	Core

4.3 VENDOR'S GST NUMBER

API JSON	invoice/vendor/vendorGst
Required?	optional
Data type	string
Format	8 or 9 digits
UI suggestion	Vendor's GST number
Note	<p>GST numbers are IRD numbers. Inland Revenue format for IRD numbers: 8 or 9 digits, consisting of a seven- or eight-digit base number and one trailing check digit.</p> <p>http://www.oecd.org/tax/automatic-exchange/crs-implementation-and-assistance/tax-identification-numbers/New%20Zealand-TIN.pdf</p>

Error Condition	Code	Message
Invalid format	400	This field can only contain numbers.

4.4 VENDOR'S PHONE NUMBER

API JSON	invoice/vendor/vendorPhone
Required?	Optional
Data type	string
Limit	7-15 characters
UI suggestion	Vendor's phone number
Note	eSchedule: 'only used for visual validation purposes' The API only validates the length of the input.

5 SCHEDULE HEADER

5.1 SCHEDULE NUMBER

API JSON	invoice/invoiceId
Required?	optional
Data type	string
Limit	10 characters

Format

- If supplied by the API:

Character Position	Format	Description
1 to 2	YY	Year
3	A-L	To represent Month
4 to 5	dd	Day
5 to 10	alphanumeric	random string

- otherwise 10 alphanumeric characters, starting with a number or a letter (but not “W”), and allowing for a letter, digit, space, hyphen, or underscore after the first character.

Note

It is recommended to use this field to prevent duplicate invoices.

The schedule number and vendor ID combination must be unique.

The API makes all alphabetic character’s uppercase, to avoid duplicate IDs in MFP

Error Condition	Code	Message
Invalid format	400	This field must start with a number or a letter (but not “W”). Each remaining character (up to 10 total) can be a letter, digit, space, hyphen, or underscore.

5.2 DECLARATION DATE

API JSON	invoice/declaration/declarationDate
Required?	Yes
Note	Inland Revenue requires the date the invoice was issued. Core

5.3 WHETHER GST IS INCLUDED IN THE INVOICE LINES

As in the legacy system, this is automatically set to true.

5.4 SCHEDULE COMMENT

API JSON	invoice/comment
Required?	optional
Data type	string
Limit	0-255 characters
UI suggestion	Schedule comment
Note	This comment refers to the whole schedule and not the schedule line.

5.5 ACC CONTRACT IDENTIFIER

API JSON	invoice/contractId
Required?	Optional; a schedule can have just one unique contractId
Data type	string
Limit	1-8 alphanumeric characters, also allowing forward-slash '/'
UI suggestion	Contract ID
Note	<p>The value for the contract ID can be unique for some vendors who are contracted with ACC. Others may fall under the category of 'regulation' in which case the contract ID will be the same.</p> <p>e.g. a Hand therapist vendor who holds a healthwise contract with ACC might have a unique contract number "HT987". Whereas all acupuncturists who are under a regulation contract will have the contract number "79/45".</p>

Error Condition	Code	Message
Invalid format	400	This field can only contain letters, numbers, and '/', no more than 8 characters in all.

6 SCHEDULE LINE

A schedule contains 1-200 claims, each one a schedule line (that is, an invoice) that lists:

line number, claim ID, accident date		section 6.1
schedule line details	service codes (1-5), service date, PO number	section 6.2
provider details		section 6.3
patient details		section 6.4
schedule line details	billing method and details	section 6.5
schedule line details	invoice comment and amount	section 6.6

Table 3: Schedule line structure

6.1 LINE NUMBER, CLAIM ID, ACCIDENT DATE

6.1.1 SCHEDULE LINE NUMBER

The API sets each line number.

6.1.2 MEDICAL FEES NUMBER (CLAIM IDENTIFIER)

API JSON	invoice/lines/claimId
Required?	Yes
Note	Inland Revenue requires a claim number or ACC45 number, or both. Core specification section 4.4.1

6.1.3 ACCIDENT DATE

API JSON	invoice/lines/accidentDate
Required?	Optional
Note	Core

6.2 LINE DETAILS

6.2.1 SERVICE ITEM CODES

A schedule line includes a list of 1-5 service item codes, for instance for GP and radiology services.

API JSON	invoice/lines/lineDetails/serviceCode
Required?	One required, up to four more optional
Data type	list
Limit	1-5 list items
Format	1-10 alphanumeric characters, for each list element included
UI suggestion	Service code
Note	<p>Inland Revenue requires the correct service codes.</p> <p>The API validates the format of the service code, and the maximum number allowed. It makes any alphabetic characters uppercase, and removes leading zeroes.</p> <p>The legacy system verifies the existence of each code, and whether codes are consistent and are valid for this invoice.</p>

Error Condition	Code	Message
Empty list	400	You must specify at least 1 service item code, and no more than 5, for each schedule line.
A service code is repeated	400	Duplicate found. Each service item code must be unique.
More than five list elements provided	400	You must specify at least 1 service item code, and no more than 5, for each schedule line.
A list element is not alphanumeric	400	Each list element must have letters and numbers only.

6.2.2 SERVICE DATE

API JSON	invoice/lines/lineDetails/serviceDate	
Required?	Yes	
Data type	string date	
Format	YYYY-MM-DD	
UI suggestion	Service date	
Note		
Error Condition	Code	Message
Date is earlier than 2000-01-01	400	The date cannot be before 2000-01-01
Date is later than 2099-12-31	400	The service date cannot be later than 2099-12-31.

6.2.3 ACC CONTRACT IDENTIFIER

This is set by the API using the value from 5.5

6.2.4 PURCHASE ORDER NUMBER

API JSON	invoice/lines/lineDetails/purchaseOrderNumber	
Required?	Optional	
Data type	string	
Limit	6-10 digits	
UI suggestion	Purchase order number	
Note	Enter the purchase order number for the service being claimed. The API stores this value in the schedule line comment, section 6.6.1.	
Error Condition	Code	Message
invalid format	400	This field can only contain numbers.
Value has fewer than 6 or more than 10 digits	400	This value must be 6 or 10 digits long.

6.3 PROVIDER DETAILS AND FACILITY CODE

6.3.1 PROVIDER IDENTIFIER

API JSON	invoice/lines/provider/providerId
Required?	Optional
Data type	string
Limit	2 - 8 characters
Format	alphanumeric
Note	A unique identifier for the provider, either the ACC number or the HPI number.
Error condition	Code Message
invalid format	400 This field can only contain letters and numbers.
Value has fewer than 2 or more than 8 characters	400 This value must be at least 2 and no more than 8 characters long.

6.3.2 PROVIDER'S GIVEN NAME

API JSON	invoice/lines/provider/firstName
Required?	Optional
Note	Core

6.3.3 PROVIDER'S MIDDLE NAME OR INITIALS

API JSON	invoice/lines/provider/middleName
Required?	Optional
Note	Core

6.3.4 PROVIDER'S FAMILY NAME

API JSON	invoice/lines/provider/surname
Required?	Optional
Note	Core

6.3.5 FACILITY CODE

API JSON	invoice/lines/provider/facilityId
Required?	Optional
Note	Core

6.4 PATIENT

6.4.1 CLAIMANT'S NHI NUMBER

API JSON	invoice/lines/patient/nhi
Required?	Optional
Note	Core

6.4.2 CLAIMANT'S GIVEN NAME

API JSON	invoice/lines/patient/firstName
Required?	Yes
Note	Inland Revenue requires the claimant's full name. Core

6.4.3 CLAIMANT'S MIDDLE NAMES OR INITIALS

API JSON	invoice/lines/patient/middleName
Required?	Optional
Note	Core

6.4.4 CLAIMANT'S FAMILY NAME

API JSON	invoice/lines/patient/surname
Required?	Yes
Note	The surname of the claimant, who has suffered a personal injury arising from at least one accident that has been registered with ACC. Inland Revenue requires the claimant's full name. Core

6.4.5 CLAIMANT'S DATE OF BIRTH

API JSON	invoice/lines/patient/dateOfBirth
Required?	Optional
Note	Enter this date if possible; otherwise the API will use 1800-01-01. Core

6.5 BILLING METHOD AND DETAILS

6.5.1 BILLING METHOD

API JSON	invoice/lines/lineDetails/billing/billingMethod		
Required?	Yes		
Data type	string		
Format	enum (distance, units, time, flat fee)		
UI suggestion	Billing method		
Note	When 'flat fee' is selected, the API automatically sets units to 1.		
Error Condition	Code	Message	
Value not in the enum list	400	This value must be one of [distance, units, time , flat fee].	

6.5.2 HOURS CLAIMED

API JSON	invoice/lines/lineDetails/billing/hoursClaimed		
Required?	Required if billingMethod is time; otherwise not permitted		
Data type	integer		
Range	00-99		
UI suggestion	Hours claimed		
Note	Hours, minutes, or both required for time-billed services (either can be 00). Hours are generally less than 24..		
Error Condition	Code	Message	
billingMethod 'time' is selected, but this value is not supplied	400	This value is required when the billing method is 'time'.	
Value is less than 0 or greater than 99	400	This value must be between 00 and 99, inclusive.	
Hours and minutes are both set to 00	400	When the billing method is 'time', either hours or minutes (or both) must be greater than 0.	
billingMethod 'time' is not selected, but this field is present	400	This field is only allowed when the billing method is 'time'.	

6.5.3 MINUTES CLAIMED

API JSON	invoice/lines/lineDetails/billing/minutesClaimed	
Required?	Required if billingMethod is time; otherwise not permitted	
Data type	integer	
Range	00-59	
UI suggestion	Minutes claimed	
Note	Hours, minutes, or both required for time-billed services (either can be 00)	
Error Condition	Code	Message
billingMethod 'time' is selected, but this value is not supplied	400	This value is required when the billing method is 'time'.
Value is less than 0 or greater than 59	400	This value must be between 00 and 59 inclusive.
Hours and minutes are both set to 00	400	When the billing method is 'time', either hours or minutes (or both) must be greater than 0.
billingMethod 'time' is not selected, but this field is present	400	This field is only allowed when the billing method is 'time'.

6.5.4 DISTANCE CLAIMED

API JSON	invoice/lines/lineDetails/billing/travelClaimed	
Required?	Required if billingMethod is 'distance'; otherwise not permitted	
Data type	integer	
Format	1-99999	
UI suggestion	Distance claimed	
Note	Required for travel-billed services Must be whole kilometres.	
Error Condition	Code	Message
billingMethod 'distance' is selected, but this value is not supplied	400	This value is required when the billing method is 'distance'.
Value is less than 0 or greater than 99,999	400	This value must be a whole number greater than 0 and less than 100,000.
billingMethod 'distance' is not selected, but this field is present	400	This field is only allowed when the billing method is 'distance'.

6.5.5 UNITS CLAIMED

API JSON	invoice/lines/lineDetails/billing/unitsClaimed
Required?	Required if billingMethod is 'units'; otherwise not permitted
Data type	decimal number
Format	999.99
Range	0.01—999.99
UI suggestion	Units claimed
Note	Required for unitary services; normally a whole number. (For 'flat fee', the API sets the value of unitsClaimed to '1'.)

Error Condition	Code	Message
billingMethod 'units' is selected, but this value is not supplied	400	This value is required when the billing method is 'units'.
Invalid format	400	This value must be a decimal number.
Value has more than 2 decimal places, or is outside the range	400	This value must be a number with two decimal places, between 0 and a thousand. 0.01 and 999.99 are valid.
billingMethod 'units' is not selected, but this field is present	400	This field is only allowed when the billing method is 'units'.

6.5.6 FLAT FEE CLAIMED

If billing method 'flat fee' is selected (section 6.5.1), the API sets the value of units to '1'; no other billing details are needed.

6.6 SCHEDULE LINE COMMENT AND AMOUNT

6.6.1 SCHEDULE LINE COMMENT

API JSON	invoice/lines/lineDetails/invoiceComment	
Required?	Optional	
Data type	string	
Limit	1-255 characters	
UI suggestion	Schedule line comment	
Note	If you entered a purchase order number of 6 – 10 characters (section 6.2.4), the API automatically puts it into this comment field, like this: PO number = 1234567890, Comment = Your comment goes here.	
Error Condition	Code	Message
This value is longer than 255 characters	400	This field only allows 255 characters in total. If there is a purchase order number, the actual comment can be no longer than 221 characters.

6.6.2 AMOUNT CLAIMED FOR THIS SCHEDULE LINE

API JSON	invoice/lines/lineDetails/invoiceAmount	
Required?	Yes	
Data type	decimal	
Format	999999.99	
Range	0.00—999999.99	
UI suggestion	Amount claimed	
Note	Must be positive (credits not allowed). Example: 123456.12 Amount should be GST inclusive if the vendor is GST registered.	
Error Condition	Code	Message
Invalid format	400	This value must be a decimal number.
Value has more than 2 decimal places, or is outside the range.	400	This value must be a number with two decimal places, between 0 and a million. Amounts from 0.00 to 999999.99 are valid.

7 SCHEDULE TRAILER

7.1 NUMBER OF LINES

API JSON	-		
Required?	No; derived by the API		
Data type	positive integer		
Range	1-200		
Note			
Error Condition		Code	Message
Number of claim IDs is < 1		400	You must include at least one claim.
Number of claim IDs is > 200		400	You can't include more than 200 claims in a single schedule.

7.2 CLAIMED AMOUNT

API JSON	-		
Required?	No; derived by the API		
Data type	positive decimal number		
Format	2 decimal places		
Range	0.01 – 999,999,999.99		
Note	The sum of the claims in each invoice line, which is the total amount invoiced to ACC.		

8 ACC STANDARD TRAILER

The API sets the end-of-run time to the current date and time, and the end-of-run description to 'End of job'.

9 MESSAGE CONTROL

The API stores the name of the API service, the vendor ID, and schedule number.