



Inbound Documents API

Software Specification

API Version: 2.11 – February 2024

Business Group	Provider Consumed Services
	Nathan Bramley

TABLE OF CONTENTS

- Table of Tables 3**
- Version History 4**
- 1 Inbound Documents API overview 6**
 - 1.1 Main changes since v1.2: 6
 - 1.2 Getting Started 6
 - 1.3 Terms 6
- 2 Standard behaviour 7**
 - 2.1 Input 7
 - 2.1.1 Strings and numbers 7
 - 2.1.2 Dates 7
 - 2.2 Error messages 7
 - 2.2.1 System errors 7
 - 2.2.2 Validation errors 7
 - 2.3 Successful Submission 8
- 3 Inbound Documents API 9**
 - 3.1 Document 9
 - 3.2 Document METADData 9
- 4 Documents Metadata 10**
 - 4.1 Content Type 10
 - 4.2 File Creation Date/Time 10
 - 4.3 Run Id 11
 - 4.4 Claim number 11
 - 4.5 Consulting Provider Name 11
 - 4.6 Date of Consult 12
 - 4.7 Metadata for Content Type 12
 - 4.8 Assessment Type 13
 - 4.9 Body Site 14
 - 4.10 Client’s NHI Number 14
 - 4.11 Client’s First Name 14
 - 4.12 Client’s Last Name 15
 - 4.13 Client’s Date of Birth 15
 - 4.14 File Extension 15
- Appendices 16**
 - Appendix A: Permitted File Extensions 16

TABLE OF TABLES

Table 1: Terms and Conditions	6
Table 2: System Error Codes.....	7

VERSION HISTORY

Date	Version	Change
26 May 2021	1.0	<p>Initial Release.</p> <p>For the initial release, permitted documents were limited to:</p> <ol style="list-style-type: none"> 1. The following content types: <ol style="list-style-type: none"> a. MMEX32PHY: Extension of treatment requests – ACC32 b. MMEXDISOP: Discharge and Operation reports c. MMEXEARTP: Surgery requests and documentation d. MMEXESHTI: Radiology reports e. MMEXHSHTI: High Tech Imaging f. MMEXPRAPR: Guided Injection requests g. MMEXSPECR: Specialist / GP / Other treatment provider notes 2. Must be in PDF format; 3. Must be no greater than 20 Mb in size; and <p>Only content for one (1) claim can be submitted per request; however, the Provider can consolidate multiple documents for that one (1) claim.</p>
22 September 2021	1.1	Removed unnecessary information relating to File Size, NHI number and zz files.
January 2023	1.2	<ol style="list-style-type: none"> 1. Removal of all references to the Sandbox environment. 2. Expansion of accepted file types to include: <ul style="list-style-type: none"> • Acquired Brain Injury (ABI) • Dental (DN) • Hearing Loss (HL) 3. Inclusion of filename metadata for Dental (DN), Hearing Loss (HL) and Acquired Brain Injury (ABI). 4. Remove references to Appendix A; Permitted Documents and replace with a reference to the code table spreadsheet hosted on the DRC site which includes all current accepted Inbound Documents. 5. Rename Appendix B to Appendix A.
May 2023		Updated reference to accepted document types.
June 2023	2.0	<p>Expansion of accepted file types to include:</p> <ul style="list-style-type: none"> • ACC32 Treatment Extension Request (ACC32) • Accidental Death Unit (ADU) • Admin (ADM) • Cover Assessment (CA) • Clinical Reports (CR) • Elective Services (ES) • Employer Reimbursement Agreement Deductions (ERA) • Integrated care pathway documents (ICP) • Orthotics (OR) • Permanent Injury Claims (PIC) • Prior Approval (PA) • Travel (TR) • Treatment Injury (TI)
November 2023	2.01	Rectify error in section 4.14 File Extension resetting <i>Required</i> back to Yes .
January 2024	2.1	<p>Expansion of accepted file types to include additional:</p> <ul style="list-style-type: none"> • Integrated care pathway documents (ICP) <p>The permitted contentType for a specific user group, are specified in the codetables spreadsheet hosted on the Developer Resource Centre: https://developer.acc.co.nz/upload-documents/apis/post/documents</p>

Date	Version	Change
29 February 2024	2.11	<p>Corrected incorrect NHI format in section 4.10.</p> <p>Valid NHI number format is:</p> <ul style="list-style-type: none">• 'AAANNNC' (3 alpha, 3 numeric and one numeric check digit)• 'AAANNAX' (3 alpha, 2 numeric, 1 alpha and one alpha check digit)

1 INBOUND DOCUMENTS API OVERVIEW

To support claims lodged on behalf of patients, ACC can assist providers to also send documents or images such as case notes, radiology reports & extension of treatment requests via API.

This API has a 20 Mb file size limit and enforces collection of metadata necessary to enable fast processing of files once submitted to ACC.

Note: This document should be read in conjunction with the [Inbound Documents API User Interface Guidelines v1.5 – May 2023. pdf](#)

1.1 MAIN CHANGES SINCE V1.2:

1. Metadata validation, several fields are now required including:
 - a. Claim reference number
 - b. Client first name
 - c. Client last name
 - d. Client DOB
2. Format validation on some fields including:
 - a. File creation date must be in yyyyMMddHHmmss format
 - b. Client date of birth, and date of consult must be in DD-MM-YYYY format
 - c. Claim reference number can only contain letters and numbers, and not more than 12 characters in all
 - d. Special characters (*, %) are not permitted in any field
3. Updated response message format

1.2 GETTING STARTED

Software vendors need an API key to submit requests to the API, in both the compliance and production environments.

The process for obtaining an API key can be found here [Developer Resource Centre | API Build \(acc.co.nz\)](#).

The URL for each Inbound Documents endpoint starts with:

- Production <https://provider.api.co.nz/api/v2/documents>
- Compliance <https://provider.api-compliance.co.nz/api/v2/documents>

1.3 TERMS

Term	Notes
Nothing at this time	

Table 1: Terms and Conditions

2 STANDARD BEHAVIOUR

2.1 INPUT

2.1.1 STRINGS AND NUMBERS

The API trims leading and trailing spaces from all String input.

Integer and decimal numbers must be entered without commas.

The JSON maximum for an integer is 2,147,483,647.

2.1.2 DATES

Two date formats are used within this API; this is to support content being uploaded into ACC backend systems. The formats are:

- DD-MM-YYYY
- yyyyMMddHHmmss

2.2 ERROR MESSAGES

2.2.1 SYSTEM ERRORS

Code	Indicates	Interpretation	Action Required of Software Vendor
202	Accepted	Submission received by ACC	No action required.
400	Invalid Data	Content being submitted is incorrect	Confirm this is a genuine user error and not a coding issue.
401	Authentication Error	Senders Digital Certificate is not valid so transaction can't take place	Software vendor needs to check if Digital Certificate is installed correctly via https://secure.healthlink.net/certifno . If no issue then contact ACC Digital Operations on 0800 222 994, option 1.
403	Authorisation Error	Sender is not authorised by ACC to make the submission	User is to contact ACC Digital Operations on 0800 222 994, option 1 to arrange permission.
500	Internal Server Error	ACC system issue	Advise ACC Digital Operations on 0800 222 994, option 1. User needs to resubmit content to ACC later.

Table 2: System Error Codes

2.2.2 VALIDATION ERRORS

In the unlikely event that invalid JSON is submitted the API returns an error message, 'Invalid JSON submitted.' The field name is not given since the error may apply to all fields from that point onwards.

In all other cases when the API returns an error message that relates to a specific field, the name of that field is given with the error message, for instance:

```
{
  "field": "contentType",
  "message": "That content type is not permitted."
}
```

Generic validation error messages are included within the spec below.

2.3 SUCCESSFUL SUBMISSION

When a valid document and supported JSON is submitted, without errors, the API returns the submitted metadata with status & creation date eg: following message:

```
"document": {
  "contentType": "MMEXSPECR",
  "fileCreationDateTime": "20221123104530",
  "runId": "SY12301131",
  "claimReferenceNumber": "12345678910",
  "consultingProviderName": "Consulting Provider",
  "dateOfConsult": "20-10-2022",
  "metaDataForContentType": "",
  "assessmentType": "",
  "bodySite": "",
  "clientNHINumber": "",
  "clientFirstName": "Test",
  "clientLastName": "Patient",
  "clientDOB": "26-09-1960",
  "fileExtension": "PDF"
},
"status": "Receipted",
"createdAt": "2022-11-30"
```


3 INBOUND DOCUMENTS API

3.1 DOCUMENT

Form data [document](#)

Required? Yes

Data type File

Format

Note This is the actual document to be uploaded and sent to ACC.

Error condition	Code	Message
No document is attached / included in the submission	400	A document is required
Document is not a PDF	400	Only PDF are accepted at this point in time
Document is greater than 20Mb	400	Each document must be less than 20Mb.
More than one file included in the submission	400	You can only submit one file

3.2 DOCUMENT METADATA

Form data [documentMetaData](#)

Required? Yes

Data type JSON

Format

Note Metadata as JSON Object. This should contain the additional information about the patient and the event that caused the document to be uploaded. The document metadata is used to process the document.

All content required is included in section 4 Documents Metadata below.

Error condition	Code	Message
No document metadata in submission	400	Document metadata is mandatory and must be present
Incorrect format	400	Document metadata is in the wrong format
Metadata error	400	There is an error with the metadata

4 DOCUMENTS METADATA

4.1 CONTENT TYPE

API JSON	contentType
Required?	Yes
Data type	String
Format	[A-Z,0-9]{20}, e.g. MMEXDISOP in UPPER CASE
Note	A unique String that identifies the content type. Please note, all contentType codes are uppercase. The permitted contentType for a specific user group, and sample documents for each document type, are specified in the codetables.
Detail	Each document submitted must be specified. For example: Discharge & Operation reports will have the content type MMEXDISOP in the submission payload. The specification advises that there are options however our preference is CAPITALS please. Please see the codetables for the full list of supported contentType codes.
Error condition	Message
Where the contentType is not one of the permitted content types.	That content type is not permitted.
contentType is not provided / empty string	Field is mandatory and must be present

4.2 FILE CREATION DATE/TIME

API JSON	fileCreationDateTime
Required?	No
Data type	String
Format	yyyyMMddHHmmss
Note	The file creation date/time that the file was created by the provider.
Error condition	Message
Invalid format	Date must be in yyyyMMddHHmmss format

4.3 RUN ID

API JSON	runId
Required?	No
Data type	String
Format	[0-9]{10}, 12345
Note	This field has a 10-character limit. This is to be generated as a sequential number for each organisation to create a unique ID for each submission.
Error condition	Message

4.4 CLAIM NUMBER

API JSON	claimReferenceNumber
Required?	Yes
Data type	String
Limit	1-12 characters. Alpha-numeric characters only.
Format(s)	[A-Z]{2}[0-9]{8}, e.g. AA123456789 [A-Z]{2}[0-9]{5}, e.g. AA12345 [A-Z][0-9]{6}, e.g. A123456 [0-9]{8}, 12345678 [A-Z][0-9]{10}, e.g. A1234567890 [0-9]{11} e.g. 12345678901
Note	Identifies the party/claim against which the document will be added.
Error condition	Message
Not provided / Empty string	Field is mandatory and must be present
Invalid format	The claim reference number can only contain letters and numbers, no more than 12 characters in all.

4.5 CONSULTING PROVIDER NAME

API JSON	consultingProviderName
Required?	No
Data type	String
Format	
Note	This must be the consulting treatment provider. This is equivalent to the sending HealthLink account holder
Error condition	Message
Special characters present	Special characters (*, %) not permitted

4.6 DATE OF CONSULT

API JSON	dateOfConsult
Required?	No
Data type	String
Format	DD-MM-YYYY
Range	
Note	This must be the date of consultation.
Error condition	Message
Invalid format	Date must be in DD-MM-YYYY format

4.7 METADATA FOR CONTENT TYPE

API JSON	metaDataForContentType
Required?	No (*)
Data type	String
Format	
Range	

Note (*) Appears under certain conditions for specific documents:

- For MMEXDISOP files it **must contain the document type** (either ‘Notice of Discharge’ or ‘Operation Notes’).
- For all content types that are not MMEXDISOP, **this must be blank**.

When the content type for the document received is MMEXDISOP, when the Metadata for Content Type is provided, then the valid options are either ‘Notice of Discharge’ or ‘Operation Notes’

Extract from Support Material	MMEXDISOP	Files must contain the document type (either “Notice of Discharge” or “Operation Notes”).	Field can’t be blank.
	All other documents	Must be blank	

Error condition	Message
Invalid contentType (see notes above)	For this document type, this field is not required
Special characters present	Special characters (*, %) not permitted.

4.8 ASSESSMENT TYPE

API JSON	assessmentType
Required?	No
Data type	String
Format	
Range	
Note	<p>Appears under certain conditions for specific documents:</p> <ul style="list-style-type: none"> For MMEXDISOP and MMEXSPECR it must be blank. For MMEXESHTI must contain the Assessment Type.

Extract from Support While this field states that it is not required the following DO need to be addressed

Material			
MMEXDISOP	Must be blank		
MMEXSPECR	Must be blank		
MMEXESHTI	Must contain the assessment type	Field can't be blank. Field will accept any alphanumeric, but we ask you to apply discipline here re the options,	
Other documents	No need to use		

Error condition	Message
contentType is MMEXSPECR or MMEXDISOP and Assessment type is provided	For this document type, this field is not required
contentType is MMEXESHTI and field is empty	Field is mandatory and must be present
Special characters provided	Special characters (*, %) not permitted

4.9 BODY SITE

API JSON	bodySite
Required?	No
Data type	String
Format	
Range	
Note	<p>Appears under certain conditions for specific documents:</p> <ul style="list-style-type: none"> For MMEXDISOP and MMEXSPECR must be blank. For MMEXESHTI must contain the body site that the assessment relates to (e.g. "MRI LUMBAR SPINE").

Extract from Support Material While this field states that it is not required the following DO need to be addressed

MMEXDISOP	Must be blank	
MMEXSPECR	Must be blank	
MMEXESHTI	Must contain the body site that the assessment relates to (e.g. "MRI LUMBAR SPINE")	
Other documents	No need to use	

Error condition	Message
contentType is MMEXSPECR or MMEXDISOP and field is provided	For this document type, this field is not required
contentType is MMEXESHTI and field is empty	Field is mandatory and must be present
Special characters provided	Special characters (*, %) not permitted

4.10 CLIENT'S NHI NUMBER

API JSON	clientNHINumber
Required?	No
Data type	String
Format	<p>Valid NHI number format is:</p> <ul style="list-style-type: none"> 'AAANNNC' (3 alpha, 3 numeric and one numeric check digit) 'AAANNAX' (3 alpha, 2 numeric, 1 alpha and one alpha check digit)
Range	
Note	
Error condition	Message
Special characters provided	Special characters (*, %) not permitted

4.11 CLIENT'S FIRST NAME

API JSON	clientFirstName
Required?	Yes
Data type	String
Format	
Note	
Error condition	Message

API JSON	clientFirstName
----------	---------------------------------

Field is empty	Field is mandatory and must be present
----------------	--

Special characters provided	Special characters (*, %) not permitted
-----------------------------	---

4.12 CLIENT'S LAST NAME

API JSON	clientLastName
----------	--------------------------------

Required?	Yes
-----------	-----

Data type	String
-----------	--------

Format	
--------	--

Note	
------	--

Error condition	Message
Field is empty	Field is mandatory and must be present
Special characters provided	Special characters (*, %) not permitted

4.13 CLIENT'S DATE OF BIRTH

API JSON	clientDOB
----------	---------------------------

Required?	Yes
-----------	-----

Data type	String
-----------	--------

Format	DD-MM-YYYY
--------	------------

Note	
------	--

Error condition	Message
Invalid format	Date must be in DD-MM-YYYY format.
Not provided.	Field is mandatory and must be present

4.14 FILE EXTENSION

API JSON	fileExtension
----------	-------------------------------

Required?	Yes
-----------	-----

Data type	String
-----------	--------

Format	
--------	--

Note	As of May 2021: Only PDF are permitted.
------	---

Error condition	Message
File type is not an accepted type (i.e. not a PDF)	Only PDF are accepted.
File extension contains special characters	Special characters (*, %) not permitted

APPENDICES

APPENDIX A: PERMITTED FILE EXTENSIONS

.PDF (includes PDF-A)