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Accident Compensation Commission

Medical Certificate API

Software specification

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Key changes since last published version

Where	Change
throughout: UI suggestions	Added the user-interface name previously published in a separate mapping document; this document only contains those not in the Core specification. The row labelled 'UI suggestion' shows what a user might think the field is for, and what content to expect.
throughout: structure	removed the code translation specification, which is now in section 5 of the Core specification; expanded section 2 to make 6 sections
section 4.1	claim number now fully defined in the Core specification.

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1 Medical Certificate API: Overview

This document specifies the API for submitting a medical certificate request for processing by the eGateway. A medical certificate relates to an existing ACC45 claim request. The endpoint is:

- `POST/claims/medical-certificates`

The Change diagnosis specification describes how vendors can add a new diagnosis to a claim that has been submitted, or change or delete an existing diagnosis.

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.

In sections 3-7, 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, in the order given. Limits are included for all these dates except the review date:

Earlier limit	Date of	Later limit	Section
1900-01-01	declaration	current date	3.5
1900-01-01	patient's birth	declaration	4.2.5
patient's birth	accident	declaration	4.2.6
1972-01-01	accident	declaration	4.2.6
accident	diagnosis	declaration	5.1.3
current date (exclusive)	review	-	6.3

Table 1 Sequence of dates

1.1 Payload structure

The API payload comprises the following structures:

Structure	includes	Instances allowed	See section
Form		one	2
Provider	(with vendor details)	one	3
	provider's address	one	3.3
Patient		one	4
	patient's address	one	4.4
Injury diagnoses		0-20	5
Fitness to work		one	6
	periods of time off work or on restricted work	0-3	6.2
Work details	help and contact	one	7

Table 2 Medical certificate request overview

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 section 3, Standard behaviour, section 4, Common input for submissions, and section 5 Translate read or SNOMED codes, for all details not specified here.

2 Form

2.1 Form number

The API constructs the form fields for the ACC18 XML, creating a unique identifier, `medicalCertificateId`.

The API stores form numbers in a database, and verifies that no form number is repeated for a given provider.

3 Provider

The digital certificate identifies the provider.

3.1 Provider's identifiers and declaration date

3.1.1 Provider identifier

API JSON	<code>medicalCertificate/provider/details/providerId</code>
Required?	Yes
Note	A unique identifier for the provider, either the ACC number or the HPI. Core

3.1.2 Provider's type

API JSON	<code>medicalCertificate/provider/details/providerTypeCode</code>
Required?	Yes
Note	Core

3.1.3 Practice name

API JSON	<code>medicalCertificate/vendor/practiceName</code>
Required?	Yes
Note	Core

3.1.4 Organisation

API JSON	medicalCertificate/vendor/hpiOrganisationNumber
Required?	Yes
Note	Core

3.1.5 Facility

API JSON	medicalCertificate/vendor/hpiFacilityNumber
Required?	Optional
Note	Core

3.2 Provider's name

3.2.1 Provider's first name

API JSON	medicalCertificate/provider/details/firstName
Required?	Yes
Note	Core

3.2.2 Provider's middle name or initials

API JSON	medicalCertificate/provider/details/middleName
Required?	Optional
Note	Core

3.2.3 Provider's family name

API JSON	medicalCertificate/provider/details/surname
Required?	Yes
Note	Core

3.3 Provider's address

Although legacy systems allow two addresses, Residential and Postal, the API allows just one and makes it mandatory.

3.3.1 Address type

API JSON	medicalCertificate/provider/address/type
Required?	Yes
Note	Core

3.3.2 Address line 1

API JSON	medicalCertificate/provider/address/line1
Required?	Yes
Note	Core

3.3.3 Address line 2

API JSON	medicalCertificate/provider/address/line2
Required?	Optional
Note	Core

3.3.4 Suburb

API JSON	medicalCertificate/provider/address/suburb
Required?	Optional
Note	Core

3.3.5 Town or city

API JSON	medicalCertificate/provider/address/city
Required?	Yes
Note	Core

3.3.6 Postcode

API JSON	medicalCertificate/provider/address/postCode
Required?	Yes
Note	Core

3.3.7 Country

API JSON	medicalCertificate/provider/address/country
Required?	Yes
Note	Core

3.4 Provider's contact details

3.4.1 Provider's email address

API JSON	medicalCertificate/provider/contact/emailAddress
Required?	Optional
Note	Core

3.4.2 Mobile phone number

API JSON	medicalCertificate/provider/contact/mobilePhone
Required?	Optional
Note	Core

3.4.3 Work phone number

API JSON	medicalCertificate/provider/contact/workPhone
Required?	Optional
Note	Core

3.4.4 Home phone number

API JSON	medicalCertificate/provider/contact/homePhone
Required?	Optional
Note	Core

3.5 Declaration date

3.5.1 Provider's declaration date

API JSON	medicalCertificate/declaration/providerDeclaration
Required?	Yes
Note	See also Table 1. Core

4 Patient

4.1 Claim number

API JSON	medicalCertificate/claimNumber
Required?	Optional
Note	Core, section 4.4.1. The claim number is optional, in case the vendor doesn't yet know it.

4.2 Patient name and details

4.2.1 NHI number

API JSON	medicalCertificate/patient/details/nhi
Required?	Optional
Note	Core

4.2.2 First name

API JSON	medicalCertificate/patient/details/firstName
Required?	Yes
Note	Core

4.2.3 Middle names or initials

API JSON	medicalCertificate/patient/details/middleName
Required?	Optional
Note	Core

4.2.4 Family name

API JSON	medicalCertificate/patient/details/surname
Required?	Yes
Note	Core

4.2.5 Date of birth

API JSON	medicalCertificate/patient/details/dateOfBirth
Required?	Yes
Note	Core

4.2.6 Date of the accident (date of injury)

API JSON	medicalCertificate/patient/details/accidentDate
Required?	Yes
Note	Core

4.3 Patient's contact details

4.3.1 Email address

API JSON	medicalCertificate/patient/contact/emailAddress
Required?	Optional
Note	Core

4.3.2 Mobile phone number

API JSON	medicalCertificate/patient/contact/mobilePhone
Required?	Optional
Note	Core

4.3.3 Work phone number

API JSON	medicalCertificate/patient/contact/workPhone
Required?	Optional
Note	Core

4.3.4 Home phone number

API JSON	medicalCertificate/patient/contact/homePhone
Required?	Optional
Note	Core

4.4 Patient's address

4.4.1 Address type

API JSON	medicalCertificate/patient/address/type
Required?	Yes
Note	Core

4.4.2 Address line 1

API JSON	medicalCertificate/patient/address/line1
Required?	Yes
Note	Core

4.4.3 Address line 2

API JSON	medicalCertificate/patient/address/line2
Required?	Optional
Note	Core

4.4.4 Suburb

API JSON	medicalCertificate/patient/address/suburb
Required?	Optional
Note	Core

4.4.5 Town or city

API JSON	medicalCertificate/patient/address/city
Required?	Yes
Note	Core

4.4.6 Postcode

API JSON	medicalCertificate/patient/address/postCode
Required?	Yes
Note	Core

4.4.7 Country

API JSON	medicalCertificate/patient/address/country
Required?	Yes
Note	Core

5 Injury diagnoses

This component is optional. If it is present, it must include at least one injury diagnosis. The API accepts up to 20 diagnoses.

5.1 Injury diagnosis

5.1.1 Diagnosis action

API JSON	medicalCertificate/diagnosis/diagnosisAction	
Required?	Yes	
Note	See also the core specifications	
Error condition	Code	Message
20 diagnoses already present	400	A medical certificate cannot include more than 20 diagnoses.

5.1.2 Primary diagnosis indicator

API JSON	medicalCertificate/diagnosis/primaryDiagnosisIndicator		
Required?	Yes		
Note	See also the core specifications		
Error condition	Code	Message	
20 diagnoses already present	400	A medical certificate cannot include more than 20 diagnoses.	
This field is True for another diagnosis	400	Exactly one diagnosis must be selected as primary.	
No diagnosis has this field set to True	400	Exactly one diagnosis must be selected as primary.	

5.1.3 Diagnosis date

The API sets this to the current date.

5.1.4 Diagnosis coding system

API JSON	medicalCertificate/diagnosis/diagnosisCodeType		
Note	See also the core specifications		
Error condition	Code	Message	
20 diagnoses already present	400	A medical certificate cannot include more than 20 diagnoses.	

5.1.5 Diagnosis code

API JSON	medicalCertificate/diagnosis/diagnosisCode		
Note	<p>See also the core specifications</p> <p>The Claim API allows 20 characters. For coding system 1 (Read code or SNOMED):</p> <ul style="list-style-type: none"> a read code contains exactly 5 characters, which must be alphanumeric, that is letters and digits, with a '.' also allowed a SNOMED code is 6-18 digits long, with digits only. <p>A SNOMED code is too long for the ACC18 <code>DiagnosisCode</code>, but the validated, translated request has the translated read code, which is only 5 characters.</p> <p>See also the core specifications</p>		
Error condition	Code	Message	
20 diagnoses already present	400	A medical certificate cannot include more than 20 diagnoses.	

5.1.6 Diagnosis description

API JSON	medicalCertificate/diagnosis/diagnosisDescription	
Note	If a SNOMED code is entered, and the SNOMED->read code translation succeeds, the content of this field is replaced (possibly truncated). See also the core specifications	
Error condition	Code	Message
20 diagnoses already present	400	A medical certificate cannot include more than 20 diagnoses.

5.1.7 Laterality

API JSON	medicalCertificate/diagnosis/diagnosisSide
Note	Core

5.1.8 Diagnosis comment

API JSON	medicalCertificate/diagnosis/diagnosisComment
Required?	Optional
Note	Core

6 Fitness for work

6.1 Background

The Claim and MedCert APIs both accept two kinds of time period, when a patient either cannot work, or can work only with restrictions. As required, the APIs define these periods as follows:

Work capacity setting	Claim	MedCert
Maximum number of time periods	2	3
time off work	0 or 1 period allowed	0 or 1 period allowed
specified by	start date + number of days	start and end dates
other options	-	comment
time on restricted work	0 or 1 period allowed	0, 1, or 2 periods allowed
specified by	start and end dates	start and end dates
other options	alternative work type code	type (enum—not code table)
	physical restrictions (11), with one comment included	physical restrictions (11), comment not included
	hours per day (integer)	hours per day (decimal)
	(days per week assumed)	days per week
	-	other comment
Maximum combined time, in days	14	no fixed limit

Table 3 Work capacity variations

The limited-work time periods can occur in any order, and:

- are contiguous (no overlaps, no gaps)
- start no earlier than the accident date
- end on the day before the patient returns to normal work.

The medical certificate API allows up to three time periods of time off work or on restricted work, unconditionally. That is, all periods are optional, assuming that if no period of time off work or time on restricted work is specified, the patient is fit to resume normal work the next day.

6.2 Work capacity period

If a period is defined, all its elements are required.

6.2.1 Type of incapacity

API JSON	medicalCertificate/workCapacity/incapacityType	
Required?	Yes	
Note	See also the core specifications	
Error condition	Code	Message
Fullyunfitforwork is selected and noWorkCount > 1	400	You can only propose one time period when the patient is fully unfit for work.
If Fitforselectedwork is selected and someWorkCount > 2	400	You can only propose two time periods when the patient is fit for selected work.

6.2.2 Start date

API JSON	medicalCertificate/workCapacity/incapacity/incapacityDateRange/fromDate	
Required?	Yes	
Note	See also the core specifications	
Error condition	Code	Message
The second from date (in date order) is not equal to the earliest to date + 1 day	400	The start date of the second period must be the day after the end date of the earliest period.
The third from date (in date order) is not equal to the second to date + 1 day	400	The start date of the last period must be the day after the end date of the middle period.

6.2.3 End date

API JSON	medicalCertificate/workCapacity/incapacity/incapacityDateRange/toDate	
Required?	Yes	
Note	Core	

6.2.4 Comment for an off-work period

API JSON	medicalCertificate/workCapacity/incapacity/incapacityComments	
UI suggestion	Fully unfit--comment	
Required?	Required if Fullyunfitforwork is true, otherwise not permitted	
Data type	string	
Limit	1-255 characters	
Note	This comment is only for an off-work period, and is mandatory.	
Error condition	Code	Message
The incapacity type for this period is Fullyunfitforwork, but this field is not present	400	This field is required if the patient is fully unfit for work.
The incapacity type for this period is Fitforselectedwork, but this field is present	400	This field is not allowed if the patient is fit for selected work.

6.2.5 Comment for a restricted-work period

API JSON	medicalCertificate/workCapacity/incapacity/selectedAlternativeWorkrestrictionComment	
UI suggestion	Fit for some work--comment	
Required?	Optional if Fitforselectedwork is true, otherwise not permitted	
Data type	string	
Note		
Error condition	Code	Message
The incapacity type for this period is Fullyunfitforwork, but this field is present	400	This field is only allowed when the patient is fit for selected work.

6.2.6 Hours per day

API JSON	medicalCertificate/workCapacity/incapacity/selectedAlternativeWork/restrictedHoursPerDay	
UI suggestion	The patient is fit to work X hours per day	
Required?	Optional	
Data type	decimal	
Range	0.50-16.00	
Note		
Error condition	Code	Message
Invalid format	400	This value must be a decimal number.
Fitforselectedwork is true and this value has more than 2 decimal places, or is outside the range	400	When the patient is fit for selected work, this value must be a number with two decimal places. It must be at least half an hour, 0.50, and no more than 16.00 hours.
Fullyunfitforwork is true and this field is present	400	This field is only allowed when the patient is fit for selected work.

6.2.7 Days per week

API JSON	medicalCertificate/workCapacity/incapacity/selectedAlternativeWork/restrictedDaysPerWeek	
UI suggestion	The patient is fit to work X days per week	
Required?	Optional	
Data type	integer	
Range	1-7	
Note		
Error condition	Code	Message
Fitforselectedwork is true, and the value is not between 1 and 7 inclusive	400	When the patient is fit for selected work, this value must be a whole number, from 1 to 7 inclusive.
Fullyunfitforwork is true and this field is present	400	This field is only allowed when the patient is fit for selected work.

6.2.8 Physical restrictions

API JSON	<code>medicalCertificate/workCapacity/incapacity/selectedAlternativeWork/physicalRestrictions/restriction</code>
UI suggestion	Physical restrictions, if relevant
Required?	Optional if <code>Fitforselectedwork</code> is true, otherwise not permitted.
Data type	string
Format	List: (Lifting, Posture, Heavy Physical, Repetition, Vibration, Temperature, Driving, Prolonged Sitting, Prolonged Walking, Prolonged Standing, Other)
Note	Any of the listed items can be selected once, up to 11 choices.
Error condition	Code Message
Fullyunfitforwork is true for this period but at least one restriction is present	400 This field is only allowed when the patient is fit for selected work.
Value not in the enum list	400 This value must be one of [Other, Prolonged Walking, Vibration, Prolonged Sitting, Driving, Posture, Heavy Physical, Repetition, Temperature, Lifting, Prolonged Standing].

6.3 Date when the patient can return to normal work

The API sets the value of this field,
`medicalCertificate/workCapacity/returnToNormalWorkDate`.

6.4 Review date

API JSON	<code>medicalCertificate/workCapacity/reviewIncapacityDate</code>
UI suggestion	Next visit to provider date
Required?	Optional
Data type	string date
Format	YYYY-MM-DD
Note	The date when ACC should check whether the patient is recovering as expected. See also the core specifications
Error condition	Code Message
Date is the current date or earlier	400 Enter a date later than today.

7 Help and contact details

7.1 Returning to work assistance

7.1.1 Whether help is needed

API JSON	<code>medicalCertificate/workCapacity/returnToWork/assistanceRequired</code>
UI suggestion	Is return to work assistance required?
Required?	Yes
Data type	string
Format	enum (False, True)
Note	The question in the legacy user interface is 'Return to work assistance required? Yes/No'.
Error condition	Code Message
Value not in the enum list	400 This value must be one of [False, True].

7.1.2 Support at work, or clinical review

API JSON	<code>medicalCertificate/workCapacity/returnToWork/assistanceType</code>
UI suggestion	Support needed to stay at work or return to work, or Clinical review of the patient's fitness for work needed
Required?	Required if <code>assistanceRequired</code> is true; otherwise not permitted
Data type	string
Format	enum (needSupport, needClinicalReview)
Note	The legacy user interface allows exactly one of the following options to be ticked: <ul style="list-style-type: none"> • 'Support needed to stay at work / return to work' • 'Clinical review of patient's fitness for work needed'.
Error condition	Code Message
<code>assistanceRequired</code> is true and this field is not present	400 This field is required when <code>assistanceRequired</code> is true.
Value not in the enum list	400 This value must be one of [needSupport, needClinicalReview].
<code>assistanceRequired</code> is false, but this question is answered	400 This field is not allowed when <code>assistanceRequired</code> is false.

7.2 Help for the patient

7.2.1 What help the patient needs

API JSON	<code>medicalCertificate/workCapacity/accAssistance/issuesDetails</code>
UI suggestion	What complications or other issues are affecting recovery or rehabilitation?
Required?	Optional
Data type	string
Limit	1-255
Note	'MakingExpectedProgress' is true if the patient is recovering as expected, and is exclusive with <code>issuesDetails</code> .

7.2.2 Further comment

API JSON	<code>medicalCertificate/workCapacity/accAssistance/otherComments</code>
UI suggestion	What other assistance is needed that the patient should discuss with a case manager? (for instance equipment, home help, transport)
Required?	Optional
Data type	string
Limit	1-255 characters
Note	The legacy user interface question is about 'other assistance' Y/N question). This field is available whether <code>makingExpectedProgress</code> is true or false.

7.3 Contact the provider

7.3.1 Whether ACC should contact the provider

API JSON	<code>medicalCertificate/workCapacity/contactRequired</code>	
UI suggestion	ACC to contact me	
Required?	Yes	
Data type	string	
Format	enum (False, True)	
Note	True if the provider wants an ACC case manager to make contact	
Error condition	Code	Message
Value not in the enum list	400	This value must be one of [False, True].

7.3.2 Who should make contact

The API sets the value of this field to 'Case Manager' in all cases:

MedicalCertificate/WorkDetail/AdditionalWorkDetail/CaseManagerContact/ContactAppointment/ContactPerson

7.3.3 When ACC should contact the provider

API JSON	medicalCertificate/workCapacity/accContact/anyDay
UI suggestion	Any day
Required?	Required if WorkCapacity/contactRequired is true
Data type	string
Format	enum (False, True)
Note	True if the provider has chosen 'any day'
Error condition	Code Message
contactRequired is false but this field is present	400 This field is only allowed if contactRequired is true.
contactRequired is true but this value is not in the enum list	400 This value must be one of [False, True].

7.3.4 On which day or days ACC should contact the provider

API JSON	medicalCertificate/workCapacity/accContact/preferredContactDay
UI suggestion	Specific weekday(s)
Required?	Required if: <ul style="list-style-type: none"> • contactRequired is true, and • anyDay is false. Not permitted if contactRequired is false or anyDay is true.
Data type	string
Format	list: Monday, Tuesday, Wednesday, Thursday, Friday
Note	At least one day must be selected, more than one may be selected
Error condition	Code Message
contactRequired is false but a list item is selected	400 This field is only allowed if contactRequired is true.
anyDay is true but a list item is selected	400 This field is not allowed when anyDay is true.
contactRequired is true and anyDay is false, but no list item is selected	400 At least one of [Monday, Tuesday, Wednesday, Thursday, Friday] must be selected.

7.3.5 Contact comments

API JSON	medicalCertificate/workCapacity/accContact/contactComments		
UI suggestion	Contact method, time, or message		
Required?	Optional if contactRequired is true		
Data type	string		
Limit	1-255 characters		
Note	The user interface question is about 'contact method'.		
contactRequired is false but this field is present	400		This field is only allowed if contactRequired is true.
