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| COLS Software Developers Guide |
| Department of Agriculture, Fisheries and Forestry |
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## Purpose

This document describes the COLS application program interfaces (APIs) that allow third party software developers to submit import documentation for assessment by the Department of Agriculture, Fisheries and Forestry (DAFF).

## Audience

This document should be read by any third-party software developers intending to design, implement or maintain APIs to the COLS application.

## Scope

This document relates to the COLS application program interfaces and specifically addresses:

* Submitting a new lodgement
* Lodging additional documents to an existing lodgement, also known as a Lodgement Reference Number (LRN)
* Requesting a reassessment of an existing LRN
* Making an enquiry regarding an existing LRN or a general import enquiry
* Check payment status
* Check lodgement status

##

## Subscription Keys

In addition to the DAFF Web application Firewall (WAF), the authentication method for COLS APIs is via Subscription Keys.

Software vendors can register and get issued a subscription key for the development and testing of API integration.

Broker and Importer organisations can register and receive a Production subscription key, when using a software application with COLS API integration.

Registration will require the organisation provide company details, including Australian Business Number (ABN) and acknowledgement of the departmental [disclaimer](#_Disclaimer).

In the event that a subscription key is compromised, the department will disable the subscription key immediately. The subscription key owner will need to contact the department for another to be re-issued.

## Interface Testing

To allow third party software developers to test their interfaces the Department of Agriculture, Fisheries and Forestry (the Department) has established a Vendor (VND) testing environment. This environment will allow developers to communicate with the COLS application program interfaces (APIs) to ensure that their applications are transmitting acceptable data.

The services within this environment will perform the same functionality as the live services. Access to the VND test environment is restricted. To gain access please e-mail BSDSAdmin@agriculture.gov.au .

## Maintenance of Interfaces

It is the Department’s intention to minimise all COLS API changes to allow for the ongoing operation of third-party software. From time to time however it is expected that new business requirements will mandate an update to the COLS APIs. During such changes it is possible that new APIs will be added, or existing APIs may change resulting in changes to their associated business rules, the introduction of new business rules or the deletion of current business rules.

During these changes a developer may find that their application requires further development to remain compliant with the COLS APIs. It is in the best interest of all software developers to design their applications with the flexibility to allow for interface evolution.

The Department will allow an adequate period for software developers to amend their software in response to interface changes. All third-party software developers who wish to continue to utilise the COLS APIs will need to make the necessary changes to their application to comply with these business rule changes and may be required to redeploy their applications.

## Disclaimer

Any person who chooses to develop or use an application that communicates with COLS does so on the basis that they acknowledge:

* schemas and business rules and any other aspect of COLS may be changed, and COLS can be suspended, superseded, replaced, or withdrawn, at any time and for any reason;
* The Department of Agriculture, Fisheries and Forestry has no involvement or responsibility of any kind in relation to such applications including, without limitation, in relation to their development, testing, promotion, support, training, use (including end user support, training and use) or any other matter relating to any such application (other than as a receiver of COLS data);
* to the extent permitted by law the Department of Agriculture, Fisheries and Forestry makes no representation, and provides no warranty, of any kind (whether express or implied) in respect to COLS, or any such application, or any related matter, without limitation including in respect to condition, quality, performance, merchantability, durability or fitness for purpose; and

the development or use of any such application is entirely at the developer’s or user’s own cost and risk and without any liability (whether direct, indirect or consequential, no matter how arising, including whether on the basis of contract, statute, promissory estoppel, quantum meruit or other quasi contractual or restitutionary grounds, in negligence or any other grounds whatsoever) on the part of Department of Agriculture, Fisheries and Forestry or any other person.

It is mandatory that each third-party software developer using the COLS APIs display and enforce acknowledgement of the above disclaimer to all third-party users of their application.

## General declaration

In addition to displaying the above-mentioned disclaimer, any person using the third-party software application that submits records to COLS who chooses to use an application that submits records to COLS does so on the basis that they are presented and acknowledge the following Declaration and Privacy statement on submission of each COLS API record:

**Declaration**

Providing false or misleading statements, information or documents to the Commonwealth, or to any other person in purported compliance with the law of the Commonwealth, is a serious offence under the Criminal Code Act 1995 (Cth) and is punishable by up to 12 months imprisonment.

Information in the system contains protected information under the Biosecurity Act 2015 (Cth) and offences may apply for using, recording and disclosing protected information other than in accordance with the Biosecurity Act 2015 (Cth) .

**Privacy Statement**

‘Personal information’ means information or an opinion about an identified individual, or an individual who is reasonably identifiable. ‘Personal information’ that is collected under or in accordance with the *Biosecurity Act 2015* (Cth) (Biosecurity Act) is also ‘protected information’ under the Biosecurity Act.

The collection of ‘protected information’ including personal information (as defined by the *Privacy Act 1988* (Cth)) by the Department of Agriculture, Fisheries and Forestry in relation to this form is being collected under the Biosecurity Act 2015 for the purposes of assessing whether the consignment meets the import conditions and related purposes. If the relevant personal information requested in this form is not provided by you, you may be in contravention of your import conditions. Information collected by the department will only be used or disclosed as authorised under the Biosecurity Act.

The personal information requested on this form may be disclosed to other Australian agencies including the Australian Border Force, and other persons or organisation where necessary for the above purposes.
It will not usually be disclosed overseas. In every case it will only be disclosed if authorised by the Biosecurity Act.

See our [Privacy Policy](http://www.agriculture.gov.au/about/privacy) web page to learn more about accessing or correcting personal information or making a complaint. Alternatively, email the department at privacy@agriculture.gov.au.

## Acronyms

The following abbreviations and acronyms are used throughout this document.

Abbreviations and Acronyms

| Acronym | Description |
| --- | --- |
| AEPCOMM | Automatic Entry Processing for FIDs |
| AIMS | Agriculture Imports Management System |
| API | Application Program Interface |
| APIM | Azure API Management |
| COLS | Cargo Online Lodgement System |
| B2G | Business to Government |
| DAFF | Department of Agriculture, Fisheries and Forestry |
| FID | Full Import Declaration |
| Import Conditions | Conditions that are or may be imposed by legislation, under which a consignment may be imported.  |
| Import Permit | A written document granted by the Director of Biosecurity or a delegate to the person, or a person acting on behalf of the person, to bring or import certain conditionally non-prohibited goods into Australian territory. |
| RBA | Reserve Bank of Australia |

# COLS Overview

The COLS API capability allows clients to submit import documents for departmental Assessment Officers to review and assess the documents.

The submission of a new lodgement consists of submitting the addNewLodgement API to transfer information about the Full Import Declaration (FID) and then attaching documents to the record via the addAttachment API. Some Brokers may be required to submit a payment for the assessment if they do not have a Client Account with the department.

In addition to creating new lodgements, COLS APIs have the capability to submit additional documentation to an existing lodgement, make reassessment requests, enquiries and status checks for payments and lodgements.

The flow shown below in Figure 1 describes the API flows for submitting a new lodgement, making a payment for the assessment, and attaching documents. All third-party software developers should be aware of these flows when designing the implementation of their applications to ensure the correct information is returned to their applications. Failure to understand this information could lead to additional information being returned for a specified import scenario.

Third party software developers should also ensure that their code meets the requirements for:

* OWASP security standards for secure development. Refer to the standards at owasp.org › www-project-application-security-verification-standard.
* Parsing JSON and verifying valid JSON is sent to the department.



Figure 1 COLS API data flow

Figure 1: COLS API Logical Information Flows shows a sample scenario of a submitting a new lodgement.

* + - Submit a new lodgement by entering all mandatory and optional fields and send.
		- Checking the FID payment status and receiving an IPR URL to process credit card payment
		- Resubmitting the new lodgement and the Successful response with a LRN issued.
		- Send addAttachment API with attachment and all mandatory and optional fields. Set lastDoc to true to end transaction.
		- addAttachment response success will commit transaction

Each of these steps is further discussed in the sections of this document and details of each function are provided in the **API** Services section of this document.

## COLS API Schemas

##### addNewLodgement API

LodgementRequest**{**

entryNumber string

branchId string

biconReference string

importPermitNumber string

contactName string

phoneNumber string

email string

thirdPartyInd Boolean

thirdPartyEmail string

aaRefNum string

lateLodgementReason string

lateLodgementDetails string

directionRequests […]

deliveryClassification string

unpackAddress string

additionalComment string

generalDeclaration Boolean

}

DirectionRequest**{**

direction string

directionLineContainer string

treatmentType string

location string

aaname string

aanumber string

**}**

LodgementResponse**{**

lrn string

result string

validationMessages [...]

**}**

##### addAttachment API

AttachmentRequest**{**

file string($binary)

docType [string]

docReference string

lastDoc string

**}**

file**{**

**}**

AttachmentResponse**{**

result string

validationMessages [...]

**}**

##### addAdditionalDocument API

AdditionalDocumentRequest**{**

additionalComment **string**

generalDeclaration **Boolean**

**}**

file**{**

**}**

##### AepResponse{

|  |  |
| --- | --- |
| **result** | **string** |
| **lrn** | **string** |
| **validationMessages** | **[...]** |

**}**

##### Make an Enquiry API

MakeEnquiryRequest**{**

enquiryType string

lodgementReferenceNumber string

fullImportDeclarationNumber string

contactName string *maxLength: 40
minLength: 0*

contactPhone\* string *pattern: ((0)(2|3|4|7|8))[0-9]{8}*

contactEmail string *maxLength: 40
minLength: 0*

additionalComments string *maxLength: 1000
minLength: 0*

generalDeclaration boolean

documentationRequired boolean

**}**

MakeEnquiryResponse**{**

lrn string

result string

messages [...]

**}**

Request a Reassessment

ReassessmentRequest**{**

originalLrn\* string *pattern: [a-zA-Z0-9]{26}*

brokerBranchId string

reassessmentReason string *maxLength: 1000
minLength: 0*

contactName string *maxLength: 40
minLength: 0*

contactPhone\* string *pattern: ((0)(2|3|4|7|8))[0-9]{8}*

contactEmail string *maxLength: 40
minLength: 0*

thirdPartyNotificationEmail string *maxLength: 40
minLength: 0
pattern: ^[\_A-Za-z0-9-]+(\.[\_A-Za-z0-9-]+)\*@[A-Za-z0-9-]+(\.[A-Za-z0-9-]+)\*(\.[A-Za-z]{2,})$*

additionalComments string *maxLength: 1000
minLength: 0*

generalDeclaration boolean

directionRequests [...]

documentationRequired boolean

**}**

ReassessmentResponse**{**

generatedLrn string

result string

messages [...]

**}**

##### Lodgement status

LodgementStatusResponse**{**

status string

receivedDate string

type string

resultMessage string

result string

messages [...]

**}**

##### Payment status

PaymentStatusResponse**{**

referenceNumberType string

invoiceNumber string

accountNumber string

paymentStatus string

result string

messages [...]

**}**

##### Message

Message**{**

**messageCode** **string**

**messageText string**

**}**

## Business Rules

### Why business rules are required

The COLS APIs contain data that must meet various business rules to ensure consistency and accuracy of all data being transmitted. Third party software developers should ensure they address all business rules defined within the schemas to ensure that all data, when tested against the COLS services, will pass the required business rules. This process will ensure successful data transmission to COLS and save transmission costs due to the transmission of API transactions that contain data errors. All parameter and business validation errors will be passed back in one response.

### When to apply the business rules

It is up to the third-party software developer to determine how and when the business rules will be applied within their application. This may depend on the application being developed and the way the developer intends the user to enter data. At a minimum it is a requirement that all business rules are applied before the data is transmitted to COLS.

Once the data is received by the COLS services any API data that fails validation will be rejected by the service, and a fault message, if applicable, returned to the sender.

# API Services

This section outlines each COLS API service available to third party software developers and provides the following details:

* **Description** – a high level description of what the service is used for.
* **Prerequisites** – details any pre-existing conditions that the system must adhere to for this service to be used.
* **Parameters** – describes each parameter, length and data type, any validation rules and if the parameter is mandatory, optional.
* **Examples** – provides examples of the POST parameters and GET responses.
* **Response** – the information returned by the method on successful processing.
* **Business Rules** – details any specific business rules associated with this method and its parameters.

## POST: /lodgements/addNewLodgement (add New Lodgement)

#### Description

This API will return a unique 26-character Lodgement Reference Number after successfully processing the FID, Broker Branch ID, contact details, direction request and declaration parameters in the request body.

The addNewLodgement transaction will not complete until the addAttachment API has been submitted for the newly issued LRN. Please refer to the Service section: POST /lodgements/{lrn}addAttachment section for further information.

#### Prerequisites

The addNewLodgement API will require a valid Full Import Declaration (FID) ID and Branch/Broker (Branch) ID combination. Valid FID and Branch IDs are obtained by submitting an import declaration in Department of Immigration and Border Protection's Integrated Cargo System (ICS). Self-reporting Importers should use their Importer ID.

#### Data types

The following abbreviations are used:

* a alphabetic (A-Z,)
* an alphanumeric (A-Z, 0-9,)
* FT free text (A-Z, 0-9, special characters)
* Boolean (True or False)
* n numeric (0-9, ‘.’)
* number the number of characters in the field (in the case of numeric fields, a decimal place is not included in the length – therefore 12345.67 would be defined as n7)
* Array – an ordered list of items surrounded by square brackets e.g., [ ]

#### Parameters

| **Parameter Name (Length)** | **Length and data type** | **Description** | **Mandatory** | **Error** |
| --- | --- | --- | --- | --- |
| entryNumber | 9 n | Full Import Declaration (FID) or Entry Number related to the lodged documents | Yes | If blank return error message; EM.01 - A valid combination of Full Import Declaration (FID)/Entry Number and Broker/Importer Branch ID must be provided |
| branchId (6) | 6 an | Licensed customs Broker client identification number in ICS and COLS, for self-reporting importers the Importer ID will be accepted. | Yes | If blank return error message; EM.01 - A valid combination of Full Import Declaration (FID)/Entry Number and Broker/Importer Branch ID must be provided |
| biconReference (512) | 512 FT | URL link to BICON Case details for consignment commodity and for associated Import Permit | No | If exceeds 512 characters, return error EM.51 - BICON Reference cannot exceed 512 characters. |
| importPermitNumber 6 – 10) | 6-10 FT | The number of the Import Permit issued to the importer by DAFF | No | If < 6 or > 10 characters received, return error message: EM.03 - A valid Import Permit number must be 6 to 10 digits. |
| contactName (40) | 40 FT | Provides a contact name for the Departmental Officer to use if further communication is required | Yes | If blank return error message; EM.09 -- A Contact name must be provided. |
| phoneNumber (10) | 10 an | The phone number for the contact. | Yes | If blank return error message; EM.10 - A valid, 10-digit phone number (including Australian area code) must be provided. |
| email (40) | 40 FT | The email address for the contact. | Yes | If blank return error message; EM.11 - Email format is invalid |
| thirdPartyInd  | Boolean  | Indicates if the transaction’s PDF coversheet record should be emailed to a third party to the consignment. | No | Valid values: True or False |
| thirdPartyEmail (40) | 40 FT | The email address of a third party to the consignment. | Conditional: If thirdPartyInd is True then must have valid email address.If thirdPartyInd = False then blank | If invalid email format or blank return error message; EM.11 - Email format is invalid |
| aaRefNum (5) | 5 an | The Approved Arrangement (AA) registration ID of operators that are allowed to manage biosecurity risks and/or perform the documentary assessment of goods. | No | If blank or exceed 5 characters return error message EM.04 – A valid Registration Number must be provided. |
| LateLodgementReason (512) | 512 an | The reason the broker is lodging documents for a sea freight consignment less than two business days before the expected arrival date of the ship. | Conditional: If the FID transport mode = ‘Sea’ and system date is less than 24 business hours from FID expected arrival date, then lateLodgementReason is mandatory.Refer BR.207 for valid values. | If blank return error message; EM.07 - A valid Lodgement Date Reason must be provided. |
| lateLodgementDetails (100) | 100 FT | Free text field for a Lodgement reason that is not covered by existing picklist reasons | **Conditional:** If lateLodgementReason = ‘Other’ then mandatory else optional. | If blank return error message; EM.08 - Details for the Lodgement Date reason ‘Other’ must be provided.If exceeds 100 characters, return EM.53 - Lodgement details cannot exceed 100 characters |

##### Direction Request array components

The addNewLodgement API’s Direction Request array components are listed below. One or more Direction request arrays may be added to a new lodgement (please refer to the example below).

As per BR.205 – a new COLS Lodgement can have one or more Direction requests.

| **Parameter Name (Length)** | **Length and data type** | **Description** | **Mandatory** | **Error** |
| --- | --- | --- | --- | --- |
| directionRequests | n/a | Allows one or more direction request arrays to be added | No | If there are no direction request for the new lodgement, a Null will be accepted. Please refer to example; Multiple Direction requests. |
| Direction (256) | 256 an | Specific Direction type the Broker is requesting. | **Conditional:** If a direction request is added then mandatory | If blank return error message; EM.05 - A valid Direction Request type must be provided. |
| directionLineContainer (100) | 100 FT | The consignment entry line (in AIMS) or the consignment’s container number for the Direction Request. | No | If more than 100 characters, then return message: EM.26 - Direction/Line/Container value cannot exceed 100 characters. |
| treatmentType (100) | 100 FT | The treatment or destruction type of the Direction Request | No | If more than 100 characters, then return message: EM.27 - Treatment/Destruction Type value cannot exceed 100 characters. |
| Location (20) | 20 FT | The nominated location for the Direction request | No | If more than 20 characters, then return message: EM.28 - Nominated Site value cannot exceed 20 characters |
| aaname (100) | 100 FT | The name of the Approved Arrangement location | No | If more than 100 characters, then return message: EM.29 - Approved Arrangement Name value cannot exceed 100 characters. |
| aanumber (20) | 20 an | The Approved Arrangement registration ID | **Conditional:** If the Direction is ‘Release on Document’ then optional else mandatory. | If blank return error message; EM.06 – An Approved Arrangement number must be provided for the direction request. If exceeds 20 characters, return EM.30 - Approved Arrangement Number value cannot exceed 20 characters. |

##### addNewLodgement Parameters continued:

| **Parameter Name (Length)** | **Length and data type** | **Description** | **Mandatory** | **Error** |
| --- | --- | --- | --- | --- |
| deliveryClassification  | 5 an | The ‘Metro’ or ‘Rural’ classification of the delivery location | Conditional: If the Delivery location of the FID’s Postcode is in (0822,4208,4306,4560,4670,4680,4740,4811,4818,2250,2320,2324,2570,2753,2756,3030,3977,7030,7253,5501,6230,6713) then the delivery classification must be supplied. | If the blank return error message: EM.33 - A valid Postcode Classification type of ‘Metro’ or ‘Rural’ must be supplied. |
| unpackAddress (50) | 50 FT | The unpack location of the consignment | Conditional: If the Postcode classification is Rural then mandatory | If blank return error message; EM.21 - An unpack location must be supplied for rural delivery locations.If exceeds 50 characters, return EM.52 - Unpack Location cannot exceed 50 characters. |
| additionalComment (1000) | 1000 FT | A free text field for any additional information about the lodgement | No | If more than 1000 characters return error message EM.19 - The additional comments field cannot exceed 1000 characters |
| generalDeclaration | Boolean | General declaration regarding true and correct information and advice about the nature of Personal Information from the Department. | YesValid values ‘True’ or ‘False’ | If the general declaration is ‘false’, then return error EM.14 - Indication for Agreement to the Information Declaration and Privacy statement must be provided. |

#### addNewLodgement Request Body example(s):

The following request body has all mandatory and conditional parameters, every optional parameter and a single Direction Request array populated with data:

{

 "entryNumber": "AEPF09999",

 "branchId": "AA94XK",

 "biconReference": "https://bicon.agriculture.gov.au/BiconWeb4.0/ImportConditions/Questions/EvaluateCase?elementID=0000068187&elementVersionID=299",

 "importPermitNumber": "ABC123",

 "contactName": "",

 "phoneNumber": "0262724444",

 "email": "Given.Surname@company.com",

 "thirdPartyInd": true,

 "thirdPartyEmail": "Given1.Surname1@company.com",

 "aaRefNum": "N0509",

 "lateLodgementReason": "Other",

 "lateLodgementDetails": "Lodgement reason Other freetext",

 "directionRequests": [

 {

 "direction": "Rural Tailgate Inspection",

 "directionLineContainer": "Container XXX999",

 "treatmentType": "Fumigation",

 "location": "1 Dock Road Portside",

 "aaname": "A & B Company",

 "aanumber": "N0509"

 }

 ],

"deliveryClassification": "Metro",

 "unpackAddress": "15 Portside Road, Dockside NSW",

 "additionalComment": "Additional comments for COLS API new lodgement",

 "generalDeclaration": true

}

The following addNewLodgement request body has all mandatory parameters, no optional parameters and multiple Direction Request arrays populated with all mandatory and optional direction request data:

{

 "entryNumber": "AFF005049",

 "branchId": "AA99AB",

.. "biconReference": "",

 "importPermitNumber": "",

 "contactName": "Given Surname",

 "phoneNumber": "0262724444",

 "email": "Given.Surname@company.com",

 "thirdPartyInd": false,

 "thirdPartyEmail": "",

 "aaRefNum": "",

 "lateLodgementReason": "",

 "lateLodgementDetails": "",

 "directionRequests": [

 {

 "direction": "Rural Tailgate Inspection",

 "directionLineContainer": "Container XXX999",

 "treatmentType": "Treatment",

 "location": "1 Dock Road Portside ",

 "aaname": "A & B Company",

 "aanumber": "N0509"

 }

 {

 "direction": "Treatment ",

 "directionLineContainer": "Container ZZZ888",

 "treatmentType": "Fumigation",

 "location": "1 Dockside Road Portside",

 "aaname": "C & D Company",

 "aanumber": "N0509"

 }

 ],

"deliveryClassification": "",

 "unpackAddress": "",

 "additionalComment": "",

 "generalDeclaration": true

}

#### Response

Default response:

{

 "lrn": "string",

 "result": "string",

 "validationMessages": [

 {

 "messageCode": "string",

 "messageText": "string"

 }

 ]

}

A successful addNewLodgement response will return ‘Success’ status and a Lodgement Reference Number (LRN).

A failed transaction will return a ‘Failed’ status, validation error message ID(s) and validation message(s).

#### Business Rules

|  |  |
| --- | --- |
| **ID** | Business Rule |
| **BR.201** | Non-AEPCOMM/NCCC FIDs that do not meet AEPCOMM/NCCC conditions (refer BR.202 below) can be lodged via COLS APIs for DAFF Assessment. |
| **BR.202** | The system will identify AEPCOMM/NCCC lodgements that have a Direction category code of ‘AE’ and Direction code of 1, 2 and 4 (AEP flag = ‘false’) and create a CWMS assessment task. |
| **BR.203** | AEPCOMM/NCCC FIDs with the Direction Category code and corresponding Direction Code(s) can be submitted via COLS APIs for document storage only and do not require DAFF Assessment.The following Direction Category Code and Directions Inspection Directions Category code = ‘I0’ and Direction Codes in (1, 2, 3, 4, 5, 6, 24, 31, 34, 42, 95)

|  |  |
| --- | --- |
| **Direction** | **Direction Code** |
| Inspect (Secure Seals Intact) | 1 |
| Inspect (unpack) | 2 |
| Tailgate | 3 |
| Cargo inspection | 4 |
| Personal effects Inspect | 5 |
| Fresh produce Inspect | 6 |
| Break bulk | 24 |
| Rural tailgate | 31 |
| AIR Freight Inspection | 34 |
| Vessel Inspect – Full Inspect | 42 |
| Supervised post BMSB treatment | 95 |

Fumigation Directions category code = ‘F0’ and the following Direction codes in (8, 12, 59, 60)

|  |  |
| --- | --- |
| **Direction** | **Direction Code** |
| Fresh garlic 40gM3 3 hr 21C or above | 8 |
| CH3Br 48gM3 24 hr 21C or above  | 12 |
| Methyl Bromide BMSB | 60 |
| Sulfuryl Fluoride BMSB | 59 |

Heat Treatment Directions have a category code of ‘TO’ and the following Direction code:

|  |  |
| --- | --- |
| **Direction** | **Direction Code** |
| Heat Treatment BMSB | 17 |

Administration with a Category code of ‘A0’and the following Direction code:

|  |  |
| --- | --- |
| **Direction** | **Direction Code** |
| Approved Arrangement | 11 |

Approved Arrangements with a Category code of ‘AA and the following Direction code:

|  |  |
| --- | --- |
| **Direction** | **Direction Code** |
| AA Rural Tailgate Inspection | 04 |
| AA Rural Tailgate Ext. Inspect | 05 |

Final Directives with a Category code of ‘R0’and the following Direction code:

|  |  |
| --- | --- |
| **Direction** | **Direction Code** |
| Finalised and released | 17 |

 |
| **BR.204** | If the FID’s Delivery location postcode classification = ‘Rural’ then the unpackAddress parameter must be supplied. If the unpackAddress has not been supplied, the system will return error: EM.21: An unpack location must be supplied for rural delivery locations. |
| **BR.205** | The system will allow one or more Direction Requests for a new lodgement.  |
| **BR.206** | The system will not allow a new lodgement to submitted if a record already exists for the FID & Entry number combination. On submission, if the system detects an existing record, it will return error EM.31: Documents have already been lodged for the entry number supplied. |
| **BR.207** | Valid Lodgement Date reasons are: * Awaiting documentation from Importer/Supplier/Manufacturer/Treatment Provider
* Awaiting importer payment
* Awaiting shipping details
* COLS error preventing timely lodgement
* Messaging delays in ICS/Delay in required information from ICS
* Voyage from the last overseas port is less than 96 hours
* Other
 |
| **BR.208** | If the thirdPartyInd parameter is ‘True’ and a valid email address is supplied, the system will email that address a copy of the PDF coversheet (in addition to the Contact email address). |
| **BR.209** | If the addNewLodgement API is executed but documents are not attached (using addAttachment API), and the transaction is incomplete. Where the same FID and Broker ID are sent, the system will return error **EM.43 -**That combination of FID and Branch ID is awaiting document attachments to complete the transaction. |
| **BR.210** | In addition to all other business rules and parameter validation occurring, on submission of the addLodgement API, if the AIM system (aka interface) is not available, the system will return error EM.48: - The entry could not be validated, please try again later. If your lodgement is urgent please use the COLS Web Portal. |
| **BR.211** | On completion of submitting the addNewLodgement API and addAttachment API, the department will issue an email receipt notification to the Contact email. The email will have a PDF coversheet of the record. |
| **BR.212** | Valid Direction request types are: * Release on Documents
* Rural Tailgate Inspection
* Inspection of Goods
* Movement Only
* Export from Australia (incl. transhipment)
* Detainment (e.g., at Quarantine station)
* Destruction (e.g., deep burial, incineration)
* Treatment
 |
| **BR.2.13** | When addNewLodgement detects an outstanding client account balance the system will return message: EM.44: An outstanding balance requires payment - <URL>. AEP entries are exempt from payment. |
| **BR.214** | When a payment has been successfully processed by the Online Payments Portal (OPP), the system will return information message IM.49: - Payment successful - continue submitting the lodgement to finalise this transaction. |
| **BR.2.15** | If the client account balance is not paid, the system will return error EM.45: The new lodgement cannot be processed until the outstanding balance has been paid.  |
| **BR.2.16** | Successful submission of the addNewLodgement/addAttachment APIs for a non-AEP entry transaction will trigger an Assessment email notification containing a PDF of the lodgement details. |
| **BR.2.17** | Successful submission of the addNewLodgement/addAttachment APIs for an AEP entry transaction will trigger an AEP entry email notification containing a PDF of the lodgement details. |

## addNewLodgement with payment

#### Description

If the system determines that payment is required before the new lodgement can be processed. The system will return message EM.44 that states ‘An outstanding balance requires payment and provide a URL (refer BR.213).

The URL is for the Online Payments Portal (OPP), which should be loaded into a browser and displayed to users. When the user has progressed through the payment workflow, the OPP will display a successful or unsuccessful message in the browser (refer to BR.214).

Successful payment will have the OPP update COLS with the payment details. Executing the FID’s addNewLodgement API for the second time, will check the successful payment information, submit the parameters and supply a successful response that issues a LRN.

An unsuccessful payment or cancellation of the OPP workflow (by clicking on ‘Cancel’ button), will not update COLS with payment details. If the FID’s addNewLodgement API is executed again, the message EM.44 will display again. It is assumed that the user will either put in the correct credit card details to pay for lodgement or the lodgement is cancelled.

## POST/lodgements/{lrn}/addAttachment Upload a document against an LRN

#### Description

The addAttachment API will facilitate attaching documents for Submit a new lodgement, Additional Documents, request a Reassessment and Make an Enquiry API’s. External software applications will use two APIs to submit COLS records and attach documents. Please refer to the example User scenario ‘Submitting a new Lodgement below’.

User Scenario: Submitting a new lodgement.

A Broker needs to submit import documents for assessment and will be using an external software application (ESA) that submits COLS records via APIs. The ESA will first use the ‘Submit a new Lodgement’ API to transfer all mandatory and optional parameters for the new lodgement, COLS will validate the data then create the LRN and pass back a success message plus the LRN. As soon as the LRN is returned, the ESA will transfer an attachment for the LRN using the ‘addAttachment’ API.

Documents will be sent one at a time e.g., three documents will require three addAttachment APIs. Each document will be scanned for viruses, plus validated for document type and the document’s volume size (20MB or less) for a successful response. The final document for the LRN must be flagged as the last document (lastDoc flag = ‘True), at which stage all the documents will be stored internally against the LRN and the new lodgement transaction will complete.

#### Prerequisites

A valid lodgement reference number that has been issued by an active COLS API transaction.

#### Parameters

| **Parameter Name** | **Length and data type** | **Description** | **Mandatory** |  |
| --- | --- | --- | --- | --- |
| File | 255 Binary | The name and file extension of the document. Valid file types are: DOC, .DOCX, .RTF, .TXT, .PPS, .PPT, .PPTX, .XLR, .XLS, .XLSX, .PDF, .BMP, .GIF, .JPG, .PNG, .PSD, .PSPIMAGE, .TGA, .THM, .TIFF, .YUV | Yes | If one or more files are not attached return error message EM.46 – A document must be attached to the LRN.If the file size is larger than 20MB or an invalid file type, the system will return error; EM.12 -  |
| doctype | 125 an (array) | The type of import document. Refer BR 304 for valid document type values. | Yes | If a document is uploaded and one or more document type is not supplied, then the system will return error; EM.13 – One or more document types must be provided. |
| docReference | 40 an | The reference for the attached document. | No | If docReference exceeds 40 characters return EM.18 – The document reference field cannot exceed 40 characters. |
| lastDoc | Boolean (True or False)  | Indicates if the active transaction can expect more than one document attachment (lastDoc = False) or can complete the transaction with the last document attachment (lastDoc = True). Refer BR 301 for further details. | Yes | If blank, then return EM.34 – A valid last document flag must be supplied. Valid values are True or False |

#### addAttachment Request Body example:

The following example of the addAttachment API’s request body adds documents to the new LRN: XXX456789YYYYMMDDSS9999999. It has 3 document types of ‘Invoice, Lot code list and Manufacture declaration and the ‘True’ lastDoc flag will complete the transaction.



#### Response

{

 “result”: “string”,

 “validationMessages”: [

 {

 “messageCode”: “string”,

 “messageText”: “string”

 }

 ]

A successful addAttachment response will return ‘Success’ status.

A failed transaction will return a ‘Failed’ status, validation error message ID(s) and validation message(s).

#### Business Rules

| **ID** | **Business Rule** |
| --- | --- |
| **BR.301** | The add documents API will use the last document flag to process attachments (lastdoc = ‘True’). If a single document is attached, the last document flag should be true. If more than one document is being attached to a COLS record, each document’s lastdoc flag will be false. For example, if 3 documents are attached, the first and second document will have a lastdoc flag of ‘FALSE’. The third (and last) document’s lastdoc flag will be ‘TRUE’.  |
| **BR.302** | Each document will be scanned for viruses. If a virus is detected, then the system will return error: EM.24 – The document has failed virus scanning and will not be accepted. |
| **BR.304** | Valid Document Types are (bracketed values are business presentation):* AIRWAYBILL (Air waybill)
* BILLOFLADING (Bill of lading)
* INVOICE (Invoice)
* PACKINGLIST (Packing List)
* PACKINGDEC (Packing declaration)
* CLEANLINESS (Cleanliness declaration)
* MANUFACTURER (Manufacturer declaration)
* EXPORTER (Exporter declaration)
* IMPORTER (Importer declaration)
* SUPPLIER (Supplier declaration)
* LOTCODE (Lot code list)
* LINEREPORT (Line report/Invoice to line)
* LABNOM (Lab nomination form)
* TREATCERT (Treatment certificate)
* PHYTOCERT (Phytosanitary certificate)
* HEALTHCERT (Health certificate)
* IMPORTPERMIT (Import permit)
* OTHER (Other)
 |
| **BR.305** | If the addattachment API does not have a document attached, the system will return error EM.46 – A document must be attached to the LRN |
| **BR.306** | If the addAttachment API is submitted without an active transaction. The system will return error [EM.47](#EM47) – Documents cannot be attached without an active transaction. |
| **BR.307** | In addition to all other business rules and parameter validation occurring, on submission of the addAttachment API, if the AIM system (aka interface) is not available, the system will return error [EM.48](#EM48) – The entry could not be validated, please try again later. If your lodgement is urgent, please use the COLS Web Portal.  |

## Post: /lodgements/{lrn} / addAdditionalDocument

#### Description

This API allows additional documents to be added to an existing LRN. Additional documents may have been requested by the Departmental assessment officer for further information or can be sent by the Broker as further import documents became available.

The addAdditionalDocument API transaction will be completed when an addAttachment API is submitted for the LRN with the lastDoc flag = ‘True’

#### Prerequisites

An existing LRN that is active.

#### Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **Length and data type** | **Description** | **Mandatory** | **Error** |
| LRN | 26 an | The lodgement reference number of the existing lodgement.  | Yes | If blank return error ‘A valid or active LRN must be provided. |
| additionalComment | 1000 FT | A free text field for any additional information about the lodgement | No | If exceeds 1000 characters return error EM.19 – The additional comments field cannot exceed 1000 characters  |
| generalDeclaration | Boolean (True or False) | General declaration regarding true and correct information and advice about the nature of Personal Information from the Department. | Yes |  |

#### addAdditionalDocument Request Body example:

{

 “lrn”: “XXX456789YYYYMMDDSS9999999”,

“additionalComment”: “Additional comments for the lodgement”,

 “generalDeclaration”: **T**rue

}

#### Response

{

 “result”: “string”,

 “validationMessages”: [

 {

 “messageCode”: “string”,

 “messageText”: “string”

 }

 ]

}

A successful addAdditionalDocument response will return ‘Success’ status and a Lodgement Reference Number (LRN).

A failed transaction will return a ‘Failed’ status, validation error message ID(s) and validation message(s).

#### Business Rules

| **ID** | **Business Rule** |
| --- | --- |
| **BR.403** | An LRN must have an ‘active’ status to receive additional documents. If the LRN’s status is ‘closed’ then the system will display error; [EM17](#EM17) – Only active LRNs can receive additional documents |
| **BR.404** | The system will allow one or more documents to be uploaded when additional documents are being added to an existing LRN (using addAttachment API) – each document will have its own Document type and document reference value. |
| **BR.405** | Additional documents cannot be added to AEPCOMM/NCCC entries. If the addAdditionalDocuments API is submitted for an AEPCOMM/NCCC entries, the system will return error EM.54 Additional documents cannot be added to AEPCOMM/NCCC entries.  |
| **BR.406** | Additional documents cannot be added to Enquiries. If the addAdditionalDocuments API is submitted for an Enquiry, the system will return an error. (Please refer to note below) |

## POST /enquiries Make an Enquiry

#### Description

This API allows import enquiries to be lodged with the department. Enquiries that are ‘Consignment specific’ or ‘Movement only’ are related to LRNs that have already been lodged with the department.

The Make an Enquiry transaction will not complete if the Documentation required flag is True. In that condition, the system is expecting the addAttachment API to be submitted for the newly issued LRN. Please refer to the Service section: POST /lodgements/{lrn}addAttachment section for further information. If the Documentation required flag is False, the transaction will be complete.

#### Prerequisites

There are no prerequisites for this service.

#### Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **Length and data type** | **Description** | **Mandatory** | **Error** |
| enquiryType | 100 an | The type of enquiry. | Yes | If blank return error EM.23 – A valid enquiry type must be supplied. |
| lodgementReferenceNumber | 26 an | The LRN associated with the enquiry. | Conditional: if ‘enquirytype = ‘Consignment specific enquiry’ or ‘Location Change’. | If blank return error EM.15 – A valid or active LRN must be provided |
| fullImportDeclarationNumber | 9 an | The Full Import Declaration ID of the LRN. | Conditional: if ‘enquirytype = ‘Consignment specific enquiry’ or ‘Location Change’. | If blank return error EM.57 – A valid Broker/Importer Branch ID must be provided. |
| contactName | 40 FT | Provides a contact name for the Departmental Officer to use if further communication about the Enquiry is required. | Yes | If blank return error EM.09 – A Contact name must be provided.If exceed 40 characters, return error EM.38 – The contact name cannot exceed 40 characters. |
| contactPhone | 10 an | The phone number for the contact. | Yes | If blank return EM.10 – A valid, 10-digit phone number (including Australian area code) must be provided. |
| contactEmail | 40 FT | The email address for the contact. | Yes | If blank return EM.11 – Email format is invalid |
| additionalComments | 1000 FT | A free text field for any additional information about the lodgement. | No | If additional comments exceed 1000 characters return error EM.19 – The additional comments field cannot exceed 1000 characters |
| generalDeclaration | Boolean (True or False) | General declaration regarding true and correct information and advice about the nature of Personal Information from the Department. | Yes | If the general declaration is ‘false’, then return error EM.14 – Indication for Agreement to the Information Declaration and Privacy statement must be provided. |
| DocumentationRequired | Boolean (True or False) | Indicates if the system should expect an attachment with the enquiry. Refer to BR 603 for further information. | Yes |  |

#### Make an Enquiry Request Body example:

The following example of the Make an Enquiry API is for a ‘Consignment specific enquiry’ that requires the LRN and FID to be entered and the enquiry is not using the option of attaching documents (documentationRequired = ‘False’).

{

 “enquiryType”: “Consignment specific enquiry”,

 “lodgementReferenceNumber”: “ALI00500420221019165420807”,

 “fullImportDeclarationNumber”: “ALI005004”,

 “contactName”: “Given Surname”,

 “contactPhone”: “0262724444”,

 “contactEmail”: “Name.Surname@email.com.au”,

 “additionalComments”: “Additional comments for my enquiry”,

 “generalDeclaration”: true,

 “documentationRequired”: False

}

The following example of the Make an Enquiry API is for a ‘General import enquiry’ that does not require the LRN and FID to be entered and the enquiry is using the option of attaching documents (documentationRequired = ‘True’). This enquiry transaction will be completed by submitting an addAttachment API where lastDoc flag is ‘True’.

{

 “enquiryType”: “General import enquriy”,

 “lodgementReferenceNumber”: “”,

 “fullImportDeclarationNumber”: “”,

 “contactName”: “Given Surname”,

 “contactPhone”: “0262724444”,

 “contactEmail”: “Name.Surname@email.com.au”,

 “additionalComments”: “Additional comments for my enquiry”,

 “generalDeclaration”: true,

 “documentationRequired”: True

}

#### Response

{

 “lrn”: “string”,

 “result”: “string”,

 “messages”: [

 {

 “messageCode”: “string”,

 “messageText”: “string”

 }

 ]

}

A successful Make an Enquiry response will return ‘Success’ status and a Lodgement Reference Number (LRN).

A failed transaction will return a ‘Failed’ status, validation error message ID(s) and validation message(s).

#### Business Rules

| **ID** | **Business Rule** |
| --- | --- |
| **BR. 601** | ‘Consignment Specific enquiry’ and ‘Location change’ enquiry types must have a valid LRN and Entry Number supplied. If the LRN or Entry number is not supplied, the system will return error: [EM.55](#EM01) - A valid combination of LRN and Entry Number/FID must be provided. |
| **BR.602** | If an empty enquiry request is received, the system will return error EM.37 – An empty Enquiry request is not allowed. |
| **BR.603** | If the documentationRequired flag is set to ‘True’, then the system is expecting a document to be attached. The Enquiry will not be generated and sent to CWMS until an addAttachment API with the lastDocument flag is set to ‘true’. |
| **BR.604** | If the documentation flag is set to ‘False’ then the system is not expecting a document to be attached – and no addAttachment API is expected so the enquiry will be generated and sent to CWMS immediately. |
| **BR.605** | Valid enquiry types are: * Consignment specific enquiry
	+ - * Location Change
			* Quarantine Document Processing
			* Imported Food Document Processing
			* General Import Enquiry
 |

## POST /reassessments Request a Reassessment

#### Description

This API allows a Broker or Importer to request a Reassessment for the original lodgement. The Request a Reassessment transaction will not complete if the Documentation required flag is True. In that condition, the system is expecting the addAttachment API to be submitted for the newly issued LRN. Please refer to the Service section: POST /lodgements/{lrn}addAttachment section for further information. If the Documentation required flag is False, the transaction will be complete.

#### Prerequisites

The original lodgement referenced in the reassessment must have been assessed and is no longer active.

#### Parameters

| **Parameter Name** | **Length and data type** | **Description** | **Mandatory** | **Error** |
| --- | --- | --- | --- | --- |
| originalLrn | 26 an | The Lodgement Reference Number (LRN) of the original lodgement that will be reassessed. Refer to Business Rule 501 for further information. | Yes | If blank return error EM.22 – A valid LRN must be provided. |
| brokerBranchId | 9 an | The Licensed customs Broker client identification number for the FID | Yes | If blank or invalid return error EM.57 – A valid Broker/Importer Branch ID must be provided. |
| reassessmentReason | 1000 FT | Allows the Broker to document the reason for requesting a reassessment of the original lodgement. | Yes | If blank, the system will return error: EM.25 – A reassessment reason must be supplied.If the Reassessment reason exceeds 1000 characters, the system will return error: EM.41- The Reassessment reason cannot exceed 1000 characters. |
| contactName | 40 FT | Provides a contact name for the Departmental Officer to use if further communication about the Enquiry is required. | Yes | If blank return error EM.09 – A Contact name must be provided.If exceed 40 characters, return error EM.38 – The contact name cannot exceed 40 characters.. |
| contactPhone | 10 an | The phone number for the contact. | Yes | If blank return EM.10 – A valid, 10-digit phone number (including Australian area code) must be provided. |
| contactEmail | 40 FT | The email address for the contact. | Yes | If blank return EM.11 – Email format is invalid |
| thirdPartyNotificationEmail | 40 FT | The email address of the third party that will be notified about the assessment. | No |  |
| additionalComments | 1000 FT | A free text field for any additional information about the lodgement. | No | If additional comments exceed 1000 characters return error EM.19 – The additional comments field cannot exceed 1000 characters |
| generalDeclaration | Boolean (True or False) | General declaration regarding true and correct information and advice about the nature of Personal Information from the Department. | Yes | If the general declaration is ‘false’, then return error EM.14 – Indication for Agreement to the Information Declaration and Privacy statement must be provided. |

##### Direction Request array components

The addNewLodgement API’s Direction Request array components are listed below. One or more Direction request arrays may be added to a new lodgement (please refer to the example below).

As per BR.205 – a new COLS Lodgement can have one or more Direction requests.

| **Parameter Name (Length)** | **Length and data type** | **Description** | **Mandatory** | **Error** |
| --- | --- | --- | --- | --- |
| directionRequests | n/a | Allows one or more direction request arrays to be added | No | If there are no direction request for the new lodgement, a Null will be accepted. Please refer to example; Multiple Direction requests. |
| Direction (256) | 256 FT | Specific Direction type the Broker is requesting. | **Conditional:** If a direction request is added then mandatory | If blank return error message; EM.05 - A valid Direction Request type must be provided. |
| directionLineContainer (100) | 100 FT | The consignment entry line (in AIMS) or the consignment’s container number for the Direction Request. | No | If more than 100 characters, then return message: EM.26 - Direction/Line/Container value cannot exceed 100 characters. |
| treatmentType (100) | 100 FT | The treatment or destruction type of the Direction Request | No | If more than 100 characters, then return message: EM.27 - Treatment/Destruction Type value cannot exceed 100 characters. |
| Location (20) | 20 FT | The nominated location for the Direction request | No | If more than 20 characters, then return message: EM.28 - Nominated Site value cannot exceed 20 characters |
| aaname (20) | 20 FT | The name of the Approved Arrangement location | No | If more than 20 characters, then return message: EM.29 - Approved Arrangement Name value cannot exceed 20 characters. |
| aanumber (20) | 20 FT | The Approved Arrangement registration ID | **Conditional:** If the Direction is ‘Release on Document’ then optional else mandatory. | If blank return error message; EM.30 - Approved Arrangement Number value cannot exceed 20 characters. |

##### Request a reassessment Parameters continued:

| DocumentationRequired | Boolean (True or False) | Indicates if the system should expect an attachment with the enquiry. Refer to BR 603 for further information. | Yes |  |
| --- | --- | --- | --- | --- |

#### Request a Reassessment Request Body example:

The following example of the Request a Reassessment API is not sending a third party an email notification, includes a Direction Request and an attachment. This Reassessment request will require an addAttachment API to be submitted to complete the transaction.

{

 “originalLrn”: “lJVI9HOB2AiUGo1z6QrBcBAUPG”,

 “brokerBranchId”: “XXX123”,

 “reassessmentReason”: “Freetext field for reassessment reason”,

 “contactName”: “Given Name”,

 “contactPhone”: “0262724444”,

 “contactEmail”: “Given.Name@organisation.com.au”,

 “thirdPartyNotificationEmail”: Null,

 “additionalComments”: “”,

 “generalDeclaration”: True,

 “directionRequests”: [

 {

 “direction”: “Rural Tailgate Inspection”,

 “directionLineContainer”: “dirlincont”,

 “treatmentType”: “reatment”,

 “location”: “location”,

 “aaname”: “Aaname”,

 “aanumber”: “”

 }

 ],

 “documentationRequired”: True

}

The following example of a Request a Reassessment API is sending a third party email notification, does not include a Direction Request nor an attachment. This Reassessment request will not require an addAttachment API to be submitted to complete the transaction.

{

 “originalLrn”: “lJVI9HOB2AiUGo1z6QrBcBAUPG”,

 “brokerBranchId”: “XXX123”,

 “reassessmentReason”: “Freetext field for reassessment reason”,

 “contactName”: “Given Name”,

 “contactPhone”: “0262724444”,

 “contactEmail”: “Given.Name@organisation.com.au”,

 “thirdPartyNotificationEmail”: Given1.Name1@organisation.com.au,

 “additionalComments”: “”,

 “generalDeclaration”: True,

 “directionRequests”: Null,

 “documentationRequired”: False

}

#### Response

{

 “lrn”: “string”,

 “result”: “string”,

 “messages”: [

 {

 “messageCode”: “string”,

 “messageText”: “string”

 }

 ]

}

A successful Make an Enquiry response will return ‘Success’ status and a Lodgement Reference Number (LRN).

A failed transaction will return a ‘Failed’ status, validation error message ID(s) and validation message(s).

#### Business Rules

| **ID** | **Business Rule** |
| --- | --- |
| **BR.501** | A reassessment cannot be requested for an LRN that is still active. If a Broker requests a reassessment for an active LRN then the system will return error EM.16 - The Lodgement Reference Number (LRN) is not valid for reassessment - an earlier lodgement that was lodged against this entry is under assessment. |
| **BR.502** | If an empty reassessment request is received, the system will return error EM.40 - An empty Reassessment request is not allowed. |
| **BR.503** | If an invalid LRN and Broker/Importer Branch ID are supplied, the system will return error: EM.42 - A valid combination of LRN and Broker/Importer Branch ID must be provided. |
| **BR.504** | In addition to all other business rules and parameter validation occurring, on submission of the Request a Reassessment API, if the AIM system (aka interface) is not available, the system will return error EM.48 - The entry could not be validated, please try again later. If your lodgement is urgent please use the COLS Web Portal. |

## Post: /lodgements/{lrn} /switchAepLodgement

#### Description

This API allows an existing AEP entry LRN to be turned into an assessment task in the internal DAFF CWMS system. COLS will validate that an existing AEP entry exists, and additional non-AEP directions have been added to the FID since the AEP lodgement.

COLS will also check if the assessment fee must be paid before the assessment task is created. The payment processing will be the same as the addNewLodgement API payment process. (please refer to addNewLodgement with payment Section for a description of the process).

The system will use all the information and attached documents from the original AEP entry. The new assessment task will use the Switch AEP submission date as the lodgement date of the task.

The addAttachment API cannot be used with the Switch AEP API. If more documentation needs to be added to the LRN, the addAdditionalDocuments API should be used.

#### Prerequisites

1) An LRN exists that is an AEP Entry
2) The LRN has an associated FID that now has non-AEP Directions since the original LRN was submitted
3) The LRN has not previously had the switchAepLodgment API successfully executed for it

#### Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **Length and data type** | **Description** | **Mandatory** | **Error** |
| LRN | 26 an | The lodgement reference number of the existing AEP lodgement.  | Yes | If blank return error ‘A valid or active LRN must be provided. |

#### Response

{

 “result”: “string”,

 “validationMessages”: [

 {

 “messageCode”: “string”,

 “messageText”: “string”

 }

 ]

}

A successful switchAepLodgement response will return ‘Success’ status and a new Lodgement Reference Number (LRN).

A failed transaction will return a ‘Failed’ status, validation error message ID(s) and validation message(s).

#### Business Rules

| **ID** | **Business Rule** |
| --- | --- |
| **BR.901** | The Switch AEP API can only be submitted for an LRN that was an AEP Entry. If the LRN is not an AEP entry, return error [EM.61](#EM63) - The LRN is not an AEPCOMM/NCCC entry and cannot be processed.  |
| **BR.902** | The Switch AEP API can only be submitted for an LRN where FID has been updated and additional, non-AEP directions are present on the FID. If the LRN has DCC/DC combinations has not been updated and only the original AEP Directions, return error [EM.63](#EM63) - - This LRN still meets the criteria for an AEPCOMM/NCCC entry and cannot be processed  |
| **BR.903** | If an AEP Switch API has already been submitted for an AEP entry and an assessment has been created, if a second Switch AEP API is submitted for that LRN, return error [EM.62](#EM62) - An assessment has already been created for the AEPCOMM/NCCC LRN. |
| **BR.904** | Submitting an AEP Switch API will create a new, active CWMS Assessment task from the existing AEP lodgement data items and documents and a new LRN will be issued. |
| **BR.905** | The system will use the submit date of the Switch AEP API as the lodgement date of the CWMS Assessment. |
| **BR.906** | The addAttachment API cannot be used with a Switch AEP API, if the addAttachment API is submitted return error EM.47 - Documents cannot be attached without an active transaction. (The addAdditionalDocuments API must be used to add more attachments to the LRN) |
| **BR.907** | Successful lodgement of a switch AEP will trigger an assessment New Lodgement email notification and PDF. |
| **BR.908** | On submission of the Switch AEP API, the system will check if there is an outstanding client account balance, the system will return message: [EM.44](#EM44) and include the Check FID status URL to facilitate payment. (a client account balance more than minus 40 will not require payment). |
| **BR.909** | If the client account balance is not paid, the system will return error [EM.45](#EM45) - The new lodgement cannot be processed until the outstanding balance has been paid. |
| **BR.910** | If the Branch ID for an FID is an account client in AIMS then the system will include the data item ‘IsImporterAccountClient/Yes’ when checking AIMS, so the Client Account balance will be ignored, and payment will not be required.  |

## GET/lodgements/{lrn}/ status

#### Description

This API allows a Broker or Importer to request the status of a lodgement’s assessment.

#### Prerequisites

A valid LRN.

#### Parameters

| **Parameter Name** | **Length and data type** | **Description** | **Mandatory** | **Error** |
| --- | --- | --- | --- | --- |
| Lrn | 26 an | The Lodgement Reference Number (LRN). | Yes | If blank or invalid return error EM.22 – A valid LRN must be provided. |

#### Response

{

 "status": "string",

 "receivedDate": "string",

 "type": "string",

 "resultMessage": "string",

 "result": "string",

 "messages": [

 {

 "messageCode": "string",

 "messageText": "string"

 }

 ]

}

#### Response example

{

 "status": "Awaiting Assessment",

 "receivedDate": "Wed 23 November 2022 at 16:11:03 AEDT",

 "type": "ASSESSMENT",

 "resultMessage": "Assessment request received on Wed 23 November 2022 at 16:11:03 AEDT has a status of Awaiting Assessment.",

 "result": "SUCCESS",

 "messages": null

}

#### Business Rules

| **ID** | **Business Rule** |
| --- | --- |
| **BR.701** |  Entering a valid Lodgement reference number will return the status of the record. The valid values for LRN status are: * Awaiting Assessment
* Assessment in Progress
* Escalated
* Additional Information Requested
* Completed

Reassessments have the additional status of:* Awaiting Re-assessment

AEP entries have the status: • Completed – AEP docs stored  |
| **BR.602** | If an invalid LRN is supplied, the system will return error: EM.22 - A valid LRN must be provided. |
| **BR.603** | The API response message for a lodgement will be: Assessment request received on * <Day>: Day acronym, (e.g., Mon, Tue, Wed, Thu, Fri),
* <Date>: dd Month Year (e.g., 21 September 2022)
* at <Time>: HH:MM:SS (e.g., 15:40:37),
* <time zone: e.g., ‘AEST’) has a status of
* <status> (e.g., Escalated).
 |
| **BR.604** | The API response message for a lodgement will be: Enquiry request received on * <Day>: ‘Mon’, ‘Tue’, ‘Wed’, ‘Thu’, ‘Fri’),
* <Date>: dd Month Year (e.g., 21 September 2022)
* at <Time>: HH:MM:SS (e.g., 15:40:37),
* <time zone: e.g., ‘AEST’) has a status of
* <status> (e.g., Escalated).
 |
| **BR.605** | The API response message for a Reassessment will be: Reassessment request received on* <Day>: ‘Mon’, ‘Tue’, ‘Wed’, ‘Thu’, ‘Fri’),
* <Date>: dd Month Year (e.g., 21 September 2022)
* at <Time>: HH:MM:SS (e.g., 15:40:37),
* <time zone: e.g., ‘AEST’) has a status of
* <status> (e.g., Escalated).
 |

## GET/payments/{referenceNumber}/ status

#### Description

This API allows a Broker or Importer to request the status of a client account or invoice.

#### Prerequisites

A valid client account or invoice reference number.

#### Parameters

| **Parameter Name** | **Length and data type** | **Description** | **Mandatory** | **Error** |
| --- | --- | --- | --- | --- |
| referenceNumber | 26 an | The Lodgement Reference Number (LRN). | Yes | The Reference number must be a valid invoice or client account number. If the Reference number is not supplied or is invalid, the system will return error: EM.20 - A valid reference number must be supplied.If more than 12 characters are received, the system will return error EM.36 - The reference number cannot exceed 12 characters. |

#### Response

{

 "referenceNumberType": "string",

 "invoiceNumber": "string",

 "accountNumber": "string",

 "paymentStatus": "string",

 "result": "string",

 "messages": [

 {

 "messageCode": "string",

 "messageText": "string"

 }

 ]

#### Response example

The following Payment status response example is for a client account with an outstanding balance.

{

 "referenceNumberType": "ACCOUNT",

 "invoiceNumber": null,

 "accountNumber": "102919192169",

 "paymentStatus": "Outstanding",

 "result": "SUCCESS",

 "messages": null

}

The following Payment status response is an example of an invoice that has been fully paid.

{

 "referenceNumberType": "INVOICE",

 "invoiceNumber": "19992386650",

 "accountNumber": null,

 "paymentStatus": "Fully Paid",

 "result": "SUCCESS",

 "messages": null

}

#### Business Rules

| **ID** | **Business Rule** |
| --- | --- |
| **BR.801** | If an Invoice number is supplied, then the system will return the Invoice Number and Invoice status data items. |
| **BR.802** | If a client account number is supplied, then the system will return the Account Number and account status data items. |
| **BR.803** | The status check will return a status of ‘outstanding’ or ‘fully paid’. |
| **BR.804** | If the IPR system is unavailable, the system will return error EM.35 - The system is currently unavailable. Please try later |