Canadian Intellectual Property Office

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Madrid Transaction Service (MTS)

**Internal Design Document**

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# Introduction

## Overview

The Madrid protocol mandates that international trademark registrations intended for registration outside of the country of origin be disseminated among participating nations. To that end, operations are required at the member nations to create and maintain international registrations originating locally and to receive and maintain international registrations from other member nations.

The Madrid Messaging Service sits closest to the local data. Its purpose is to handle the business level message processing tasks for the Madrid Protocol.

An exhaustive overview of the various processes involved in moving data between WIPO and CIPO will not be included here. Instead, please refer to the other IDD documents listed in the references.

## Scope

This document intends to describe the internal design of the service operations necessary to process Madrid protocol message tasks originating from and returning to WIPO. These operations will perform two main actions: 1. Look up information on existing marks and their statuses in the TM datastore. 2. Process TM related Madrid protocol messages relating to updating international and domestic marks with WIPO message data, WIPO notification messages, new international registrations, and sending changes to WIPO regarding domestic and international marks. Some of these tasks will require manual intervention by TMB operators (see: [..\EDD\MadridConsole-EDD-v0.1.docx](file:///\\prod.prv\Shared\NCR\CIPO\ISB\Dev\CIPO%20JavaGroup\E-COMM\Madrid\EDD\MadridConsole-EDD-v0.1.docx)), but others will be fully automated. Both types of tasks will be covered by this service.

## Glossary of Terms

|  |  |
| --- | --- |
| **Term** | **Definition** |
| MTS | Madrid Transaction Service |
| CIPO | Canadian Intellectual Property Office |
| TMB | Trademark Branch |
| WIPO | World Intellectual Property Organization |
| DAO | Data Access Object |
| IDE | Integrated Development Environment |
| IA | International Application |
| IR | International Registration |
| PA | Protocol Application (same as IA) |
| PR | Protocol Registration (same as IR) |
| Payload | The payload is the actual message content (SOAP) that you want to send to the other application. |
| POJO | Plain Old Java Object |
| Applicant | Owner of a TM application |
| Registrant | Owner of a TM registration |
| BPM | Business Process Modelling |
| BPMN | BPM and Notation |
| OfficeToIB | Madrid protocol message nomenclature for a message to be sent to WIPO |
| IBToOffice | Madrid protocol message nomenclature for a message originating from WIPO |
| DO (D/O) | Designated Office – what we are referred to as for international marks filed elsewhere |
| OO (O/O) | Originating Office – what we are referred to as for international marks filed here |

## References

The following documents describe the detailed business requirements, in chart and use case format, for each of the Madrid protocol message types. Their content goes beyond the scope of this document, but it does provide some useful background.

<http://wiki.ic.gc.ca/pages/viewpage.action?pageId=584876071&src=contextnavchildmode>

The following documents are the specific system requirements for the BPM of each Madrid protocol action we will be automating.

Automated process flows (no user intervention)

[SUC 2.1 Process Madrid Designation.docx](file:///\\prod.prv\Shared\NCR\CIPO\ISB\Dev\TM%20&%20CID\C-8+MSN\Madrid%20-%20System%20Use%20Cases\System%20Use%20Cases%20V0.2\Tasks\Automated\Process%20Madrid%20Designation\SUC%202.1%20Process%20Madrid%20Designation.docx)  
[SUC 2.7.1 Process IR Cancellation Total.docx](file:///\\prod.prv\Shared\NCR\CIPO\ISB\Dev\TM%20&%20CID\C-8+MSN\Madrid%20-%20System%20Use%20Cases\System%20Use%20Cases%20V0.2\Tasks\Automated\SUC%202.7.1%20Process%20IR%20Cancellation%20Total.docx)  
[SUC 2.6.1 Process IR Ceasing of Effect Total.docx](file:///\\prod.prv\Shared\NCR\CIPO\ISB\Dev\TM%20&%20CID\C-8+MSN\Madrid%20-%20System%20Use%20Cases\System%20Use%20Cases%20V0.2\Tasks\Automated\SUC%202.6.1%20Process%20IR%20Ceasing%20of%20Effect%20Total.docx)  
[SUC 2.8 Process IR Holder Name Address Change.docx](file:///\\prod.prv\Shared\NCR\CIPO\ISB\Dev\TM%20&%20CID\C-8+MSN\Madrid%20-%20System%20Use%20Cases\System%20Use%20Cases%20V0.2\Tasks\Automated\SUC%202.8%20Process%20IR%20Holder%20Name%20Address%20Change.docx)  
[SUC 2.3 Process IR Non Renewal.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%202.3%20Process%20IR%20Non%20Renewal.docx)  
[SUC 2.15 Process IR Notification.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%202.15%20Process%20IR%20Notification.docx)  
[SUC 2.5 Process IR Ownership Change Merger.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%202.5%20Process%20IR%20Ownership%20Change%20Merger.docx)  
[SUC 2.4.2 Process IR Ownership Change Partial.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%202.4.2%20Process%20IR%20Ownership%20Change%20Partial.docx)  
[SUC 2.4.1 Process IR Ownership Change Total.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%202.4.1%20Process%20IR%20Ownership%20Change%20Total.docx)  
[SUC 2.2 Process IR Renewal.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%202.2%20Process%20IR%20Renewal.docx)  
[SUC 2.9 Process IR Renunciation.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%202.9%20Process%20IR%20Renunciation.docx)  
[SUC 2.10 Process Madrid IR Creation.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%202.10%20Process%20Madrid%20IR%20Creation.docx)

Manual process flows (require some user intervention via Madrid Console)

[SUC 2.4.3 Process Designation-Restriction for a Partial Ownership Change.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%202.4.3%20Process%20Designation-Restriction%20for%20a%20Partial%20Ownership%20Change.docx)  
[SUC 2.7.2 Process IR Cancellation Partial.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%202.7.2%20Process%20IR%20Cancellation%20Partial.docx)  
[SUC 2.6.2 Process IR Ceasing of Effect Partial (DO).docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%202.6.2%20Process%20IR%20Ceasing%20of%20Effect%20Partial%20(DO).docx)  
[SUC 2.11 Process IR G&S Limitation.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%202.11%20Process%20IR%20G%26S%20Limitation.docx)  
[SUC 2.13 Process IR Transformation.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%202.13%20Process%20IR%20Transformation.docx)  
[SUC 2.12 Process Irregularity (DO).docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%202.12%20Process%20Irregularity%20(DO).docx)  
[SUC 2.14 Process NA-NR Ceasing of Effect Partial (OO).docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%202.14%20Process%20NA-NR%20Ceasing%20of%20Effect%20Partial%20(OO).docx)

Common process flows (both manual and automatic)

[SUC 1.2 Create Tasks from INTREPID.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%201.2%20Create%20Tasks%20from%20INTREPID.docx)  
[SUC 1.3 Process Tasks.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/SUC%201.3%20Process%20Tasks.docx)

This document borrows heavily from the Workflow Engine IDD document [TM\_C31\_Workflow\_Engine\_IDD\_v0.7.docx](file:///\\prod.prv\Shared\NCR\CIPO\ISB\Dev\CIPO%20JavaGroup\E-COMM\Bill%20C-31\IDD\Workflow%20Engine\TM_C31_Workflow_Engine_IDD_v0.7.docx)

Web service security information can be found in these documents:  
[WebServicesSecurity\_AnalysisDocument\_v0.1.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/WebServicesSecurity_AnalysisDocument_v0.1.docx)  
[Security solution prototype\_v0.5.docx](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCSdav/nodes/5880531/Security%20solution%20prototype_v0.5.docx)

# System Architecture & Environment

## Overview

MTS is a Java enterprise service application that exposes its internal operations via SOAP over HTTP. Security will be provided via the recommended API façade solution at the time of development. MTS will be deployed within the organizational firewall and there will be no external communication permitted.

### MTS Data Flows



Figure 1: MTS Process Flows

MTS acts as the broker between the international data (unpackaged WIPO message data) and the INTREPID database.

Calls to the SOAP API can originate from either the Madrid Workflow Engine or the Madrid Console. For example, the workflow engine can call an MTS service operation via a Java delegate class to process an automated task from within the workflow engine (1a) or a manual flow from the Madrid Console (1b). The service operations will communicate with either the international or INTREPID datastores via the DAO layer (3). For some operations such as building the task bucket, the service will need to communicate with the workflow engine to fetch tasks and statuses (2).

Note: The Madrid Console will also interact directly with the workflow engine to process workflow actions (i.e. claim a task, assign task, complete task, etc.) (4).

### Madrid Overall Process Flows

MTS works exclusively with the Madrid Workflow Engine and the Madrid Console in order to process WIPO message tasks as they’re received. The workflow engine will unpack a WIPO message package, store the messages in the international datastore, and then execute workflow processes related to the unpacked WIPO messages. These workflow processes will in turn call a Java delegate once it reaches a point in the workflow where automation is necessary (for the automated tasks, this is each stage in the flow process. For manual tasks, this is usually after any necessary user input has been confirmed). These delegate classes will be responsible for gathering the necessary information for that particular stage of the process flow and creating the mechanics necessary to call the MTS operations. Once a response is received, it is interpreted and the process flow is allowed to continue as designed.

`

Figure 2: Madrid Process Flow - Import Use Case: IP Messages from WIPO

The MTS operations are contained within steps 4 and 5. Workflow tasks are initiated by the workflow engine operations that unpack and discover each WIPO message (4). Messages identified as automated require no human intervention (5a) whereas ones identified as manual do (5b).

## Technical Specifications

MTS artifacts will be developed in Java and packaged as a J2EE deployable EAR file.

### Database Server Software

Type: Oracle 11g, Version 7.01

Driver: Oracle Thin Driver JDBC Driver

### Application Server Software

Type: IBM WebSphere Application Server, Version 8.5.5.8+

Compliance: J2EE 1.6, Servlet 2.5, Java 1.7, Java API for XML Web Services (JAX WS 2.0), Java Architecture for XML Binding (JAXB 2.0), SOAP with Attachments API for Java (SAAJ 1.3)

### Developer Software

Type: Eclipse IDE version 4.3+

#### Frameworks

MTS will employ the proven service framework technology SpringWS for the service operation implementations. Database communication with the INTREPID and international TM datastores will be done with the Hibernate ORM framework.

### Security

MTS will be deployed on CIPO’s internal, secure network. Therefore, access to MTS will be restricted to requesters with authorized network access. MTS will serve only available information. No user credentials will be required to access the service. An authentication token will be required.

### Load and Performance

MTS is expected to be available as much as possible. Maximum uptime is required since these services can be invoked by user-driven applications running during business hours or by scheduled batch jobs running off-business hours.

High availability will be achieved by utilizing redundant server nodes and a load balancer with hot standby. In the event of a catastrophic hardware failure of a server the balancer will detect the failure and re-route all traffic to the remaining node. Any regularly scheduled maintenance by CNS will be performed in a similar fashion. One node will be manually removed from the balancer list, maintenance tasks performed, and then the node will be returned to the balancer list.

### Session Management

MTS web services will be stateless session. As with all other CIPO SOA services, application calls to the MTS services will be atomic - that is to say, the request message sent will contain all the information needed to process the demand and the response from the web service will contain all the data requested. Accesses to international trademarks data is both read and write. If any unrecoverable error occurs during MTS processing, an error code will be returned and the request will have to be reissued. Transactions will be rolled back in case of error.

### Bilingualism

The service won’t translate any textual data but will serve bilingual TM data for display on the Madrid Console.

### Scalability

The MTS can be scaled to meet larger audiences by introducing additional deployment servers. The Dispatcher server acts as a load balancer selecting the least busy MTS server to route requests to.

### Portability

The MTS will be packaged as a standard Java Enterprise Archive (EAR) and can be deployed on any J2EE application server supporting this basic Web standard. Since the web service interface to MIMS is a simple Web Services implementing SOAP protocol, any type of client can invoke the service using SOAP requests.

### System Logging Approach (Local Log File)

Local system logging in the MTS artefacts will be used to capture system informational messages during component start up, shut down, and request processing. Logging can be configured to write messages to one or more destinations such as a log file or the WebSphere server console in a defined format. Typically in Development logs entries are printed to the standard out console for immediate monitoring, while in other environments log messages should written to a log files for periodic review.

The CIPO standard Log4J library will be used to log system messages and will use the following priorities (in this order):

* Fatal - Severe errors that are unrecoverable and/or cause premature termination of a processing thread.
* Error - Runtime errors or unexpected conditions which do not terminate the thread but resuming business processing is typically not possible.
* Warn - Use of deprecated APIs, poor use of APIs, 'almost' errors, other runtime situations that are undesirable or unexpected, but not necessarily "wrong".
* Info - Interesting execution events (startup/shutdown). This should be limited in frequency. This is typically the default level used in Production.
* Debug - General Information on aspects of the code, variable values etc., at execution time. Typically contains information for relevant to a Developer at construction or maintenance times.
* Trace - More detailed information on the flow through the system. Also this may include performance measurements.

By CIPO convention, the Log4J configuration settings will be included in the web service’s application’s external configuration file. Any logging statements below the configured priority will be ignored.

Also by convention the log files are configured to rollover into a new file at a certain size limit. Settings should be configured to provide for at least 1 weeks’ worth of log information that can be used to diagnose problems when they arise. CNS will be advised to back up the week’s log files for longer retention.

### Business Event Logging Approach (Shared)

MTS does not require business event logging at this time. Business related logging will be handled by the workflow engine.

### Auditing

Business level audit will be the responsibility of the respective datastores.

### Critical Failure and Recovery Approach

Since requests to the MTS are atomic and stateless session, in the event of a critical failure of either hardware or software, the request will fail. A complete rollback will be performed to preserve data integrity. No recovery of service requests can be made. Hardware redundancy should allow for fail-over to a single CCS server.

### Component and Service Configuration

As with other J2EE EAR applications deployed onto the CIPO mid-range environment, configuration settings will be stored externally from the EAR file to allow for customization in each deployment region (i.e. development, acceptance, production). All settings will be contained in a single Java properties file including the Log4J logging settings.

# Service Operations

## Service Overview

|  |  |
| --- | --- |
| **Service Name:** | Madrid Transaction Service |
| **Service Acronym:** | MMS |
| **Component Name:** | Trademarks |
| **Component Acronym** | TM |
| **Version:** | 1.0 |
| **Nature:** | Composite Service |
| **Service Description:** | This service provides solely for the Madrid Console and the Madrid Workflow Engine and is thus for internal business use only. The service operations are responsible for processing Madrid Protocol messages originating from – and returning to – WIPO. |
| **Operations:** | * getMarkDetails * getMessageDetails * getWorkflowTaskList * manageRecordLocks * processAutomatedTask * getOfficeToIbMessageActions * queueOfficeToIbMessage * processGoodsAndServicesChanges * processIrregularityDO |
| **Deployment:** | Web Service |
| **Service Exposed to:** | Internal only |
| **Line of Business:** | Trademark / Madrid Protocol only. |
| **Security:** | Standard access authentication and control for internal services. |

Table 1: Service overview

## Service Operation Details

### Operation: getTransaction

#### Sequence Diagram

This operation retrieves an object representation of a WIPO Madrid Protocol message from the international database. This operation call can originate from processes within the MWE or from the Madrid Console.



Figure 4: Sequence diagram: getMessageDetails

MWE = Madrid Workflow Engine (workflow delegates are the calling agents)   
DAO = Data Access Objects (representing the DAO layer)   
IMDB = International Message Database

#### Operation Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Operation:** getTransaction | | | |
| **Description:** This operation returns some of the business details pertaining to a specific International Hague Transaction as identified by its unique system-assigned ID. A collection of associated attachments (if any) will also be returned. By default the raw XML of the Madrid Transaction and the binary content of the attachments are *not* returned. Flags in the request can be set to return this content with the response. | | | |
| **Request** | | | |
| **Parameter Name** | **Description** | **Data type** | **Multiplicity** |
| transactionId | The unique system-assigned identifier for the Hague Transaction. | decimal | 1..1 |
| includeXmlContent | Flag indicating whether the response should include the XML data of the Transaction. Default is false. | Boolean | 1..1 |
| includeAttachmentContent | Flag indicating whether the response should include the binary data of ***all*** attachments to the Transaction. Default is false. | Boolean | 1..1 |
| **Response** | | | |
| transactionDetail | A complex model containing some business details about a Transaction. | [TransactionDetail](#_Appendix_G_–) | 1..1 |
| **Service Fault** | | | |
| CipoServiceFault | Returned if any exceptions occur on the service endpoint. | [ServiceFaultInfo](#_Appendix_G_–) | -- |

### Operation: getTransactionAttachment

#### Operation Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Operation:** getTransactionAttachment | | | |
| **Description:** This operation fetches a single attachment by its unique Attachment ID. | | | |
| **Request** | | | |
| **Parameter Name** | **Description** | **Data type** | **Multiplicity** |
| attachmentId | The unique system-assigned identifier for the attachment. | decimal | 1..1 |
| **Response** | | | |
| attachmentDetail | A complex model containing details about a given attachment. | [AttachmentDetail](#_Appendix_G_–) | 1..1 |
| **Service Fault** | | | |
| CipoServiceFault | Returned if any exceptions occur on the service endpoint. | [ServiceFaultInfo](#_Appendix_G_–) | -- |

### Operation: getWorkflowTaskList

#### Sequence Diagram

This operation combines information from the workflow engine (via REST API), INTREPID, and the international database to build a grid view of the tasks in the Madrid Console.



Figure 5: Sequence diagram: getWorkflowTaskList

MWE = Madrid Workflow Engine (workflow delegates are the calling agents)   
DAO = Data Access Objects (representing the DAO layer)   
IDB = INTREPID database  
IMDB = International Message Database  
Workflow Engine = The Activiti workflow engine accessed via its REST API

#### Operation Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Operation:** | **getWorkflowTaskList** | | | | |
| **Description:** | This operation will fetch a list of workflow tasks that meet the input requirements. This is a composite operation in that it queries an external service to build part of the result set. The resultant data is used to build the view in the Madrid Console for the various task grids. | | | | |
| **Complexity:** | V. High | | | | |
| **Parameter Name** | | **Description** | **Data type** | **Size** | **Mandatory?** |
| WorkflowTaskListSearchCriteria | | Object to hold various search criteria | Will contain the following:   * User ID (String) * Group ID (String) * Completion Flag (PROCESSED, UNPROCESSED) * Type (NOTIFICATION, MANUAL) * From Date (DATE) * To Date (DATE) * Domestic application number * International registration number * Task request type (CLAIMED\_BY\_ANY, CLAIMED\_BY\_USER, CLAIMED\_AND\_UNCLAIMED, UNCLAIMED)   As well as following paging attributes:   * startRow * rowsPerPage * sortColumn * sortDirection | -- | Y |
| **Response** | | | | | |
| WorkflowTaskMetaList | | An object to hold the search results | Collection of “WorkflowTaskMeta” objects that represents workflow task and associated WIPO message(s) metadata.  **HTTP Response: 200-level** | -- | Y |
| ServiceFault | | Describes the return and reason code for the type of failure. Includes the Service name and also the English and French explanations | CIPOServiceFault  - returnCode  - reasonCode  - serviceName  - enErrorMsg  - frErrorMsg  **HTTP Response: 500-level** | -- | N |
| **Resource Item: MMS** | | | **Minimum Privilege Level Required: Read Only** | | |

Table 4: Operation Summary for getWorkflowTaskList

#### Sample Request



### Operation: getTransactionList

This operation returns a list of transaction meta data. This will include inbound and/or outbound transactions.

#### Operation Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Operation:** getTransactionList | | | |
| **Description:** This operation will return zero or more complex objects containing some general business details about international Transactions which match the provided criteria. At least one criterion must be supplied – this restriction will be enforced in the service endpoint.  Use case reference   * SUC\_2.7.1 Process Cancellation – Total (D/O) * SUC\_2.6.1 Process Ceasing of Effect – Total (D/O) * SUC\_2.10 Process Creation (D/O) * SUC\_2.1 Process Designation (D/O) * SUC\_2.8 Process Holder Name/Address Change (D/O) * SUC\_2.3 Process Non-renewal (D/O) * SUC\_2.15 Process Notification (D/O) * SUC\_2.5 Process Ownership Change –Merger (D/O) * SUC\_2.4.2 Process Ownership Change – Partial (D/O) * SUC\_2.4.1 Process Ownership Change - Total (D/O) * SUC\_2.2 Process Renewal (D/O) * SUC\_2.9 Process Renunciation (D/O) | | | |
| **Request** | | | |
| **Parameter Name** | **Description** | **Data type** | **Multiplicity** |
| transactionIdList | One or more unique transaction identifiers. | decimal | 0..\* |
| packageIdlist | One or more unique package identifiers. | decimal | 0..\* |
| transactionStatusList | One or more Transaction statuses. | [TransactionStatusEnum](#_Appendix_H_–) | 0..\* |
| transactionTypeList | One or more Hague Transaction types. | [TransactionTypeEnum](#_Appendix_H_–) | 0..\* |
| intlRegistrationNumberList | One or more WIPO assigned International Registration Number | string | 0..\* |
| domesticAppNumberList | One or more CIPO assigned domestic application numbers. This value is typically found on export Transactions only. | string | 0..\* |
| createdStartDate | The lower bound of a created date range – the date the Transaction was inserted into the International database. If a createdEndDate is provided and this value is not provided, this value will default to a minimum date ‘0001-01-01’. | date | 0..1 |
| createdEndDate | The upper bound of a created date range – the date the Transaction was inserted into the International database. If a createdStartDate is provided and this value is not provided, this value will default to a maximum date ‘9999-12-31’. | date | 0..1 |
| orderByWipoCategory | Flag indicating whether the results should be return in the Transaction category order set by WIPO. Default is true. | boolean | 1..1 |
| **Response** | | | |
| transactionDetailList | A collection of complex model objects containing business details about a Transaction. The collection can be empty. | [TransactionDetail](#_Appendix_G_–) | 0..\* |
| **Service Fault** | | | |
| CipoServiceFault | Returned if any exceptions occur on the service endpoint. | [ServiceFaultInfo](#_Appendix_G_–) | -- |

#### Manual Transaction Request



#### Automated Transaction Request



#### Automated Pair Request



### Operation: Find Duplicate Mark

Before creating a new designation, we check to see if a mark already exists in Intrepid. If it does exist, then the MTS will create a console task. The INTL-IR-TASK id is returned to the MWE.

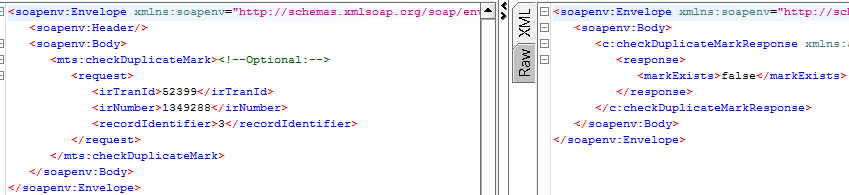
* Duplicate designation – (Madrid TM Supervisor)

#### Operation Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Operations:** | findDuplicateMark | | | | |
| **Description:** | This operation will verify the existence of an Intrepid Application based on the IR Number and International Record Id for a Madrid Designation transaction with transaction categories of Registration or Subsequent Designation.  If it is determined that a mark already exists, the MWE will create a user task based on the Unprocessed Transaction information, and then execute task ‘Notify Admin User’. If the mark does not exist in Intrepid, then the MWE will execute task ‘Process Designation’.  Use case reference  SUC1.1 Process incoming packages V02 | | | | |
| **Complexity:** | V. High | | | | |
| **Parameter Name** | | **Description** | **Data type** | **Size** | **Mandatory?** |
| TransactionRequest | | Object to hold the request criteria | See Appendix D – Unprocessed transaction response | -- | Y |
| **Response** | | | | | |
| designationExists | | True if Application exists, False otherwise | Boolean | -- | Y |
| ServiceFault | | Describes the return and reason code for the type of failure. Includes the Service name and also the English and French explanations | CIPOServiceFault  - returnCode  - reasonCode  - serviceName  - enErrorMsg  - frErrorMsg  **HTTP Response: 500-level** | -- | N |
| **Resource Item: MMS** | | | **Minimum Privilege Level Required: Read / Write** | | |

#### Sample Request

This request will prompt MTS to check intrepid to see if there is already an application. In this case the mark does not exist, so the MWE BPM may proceed to the next success step to process the madrid designation.



### Operation: Check for Existing Mark

Before we process a transaction, the MWE will execute this MTS process to determine if the Intrepid application exists and is Active. MTS may create console tasks and return the INTL-IR-TASK id to MWE for synchronization:

* Mark does not exist – (TM Madrid Supervisor)
* Mark is inactive – (TM Madrid Supervisor)
* Invalid transaction -(TM Madrid Supervisor)

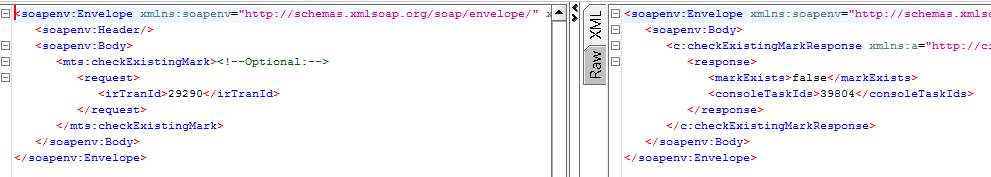
#### Operation Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Operations:** | checkExistingMark | | | | |
| **Description:** | This operation will verify the existence of an Intrepid Application based on the IR Number of the WIPO transaction being processed.  **Office Type: D/O**  If a record is found in the APPLICATIONS table, then the mark exists.  If a record is found in the MADRID\_APPLICATIONS table, then this is an error as we are processing D/O transactions. MTS will create a console task and return the console task id to the MWE.  If the mark does not exist, MTS will create a console task and return the console task id to the MWE.  We also check to see if the Mark is Inactive. Inactive marks are only valid for corrections, so for any automated processing transactions (D/O), the international transaction is put on ‘Hold’ console task id is returned to the MWE.  If the mark is exists and is active, then the MWE will consider this a success and move to the next step in its BPM.  Use case reference  SUC1.1 Process incoming packages V02 | | | | |
| **Complexity:** | V. High | | | | |
| **Parameter Name** | | **Description** | **Data type** | **Size** | **Mandatory?** |
| TransactionRequest | | Object to hold the request criteria | See Appendix D – Unprocessed transaction response | -- | Y |
| **Response** | | | | | |
| CheckExistingMarkResponse | | True if Application exists, False otherwise with information why it is so | See Appendix E – Check Existing Mark Response | -- | Y |
| ServiceFault | | Describes the return and reason code for the type of failure. Includes the Service name and also the English and French explanations | CIPOServiceFault  - returnCode  - reasonCode  - serviceName  - enErrorMsg  - frErrorMsg  **HTTP Response: 500-level** | -- | N |
| **Resource Item: MMS** | | | **Minimum Privilege Level Required: Read / Write** | | |

Table 8: Operation Summary for checkExistingMark

#### Sample Request

The sample response shows that the mark exists, but it is Inactive. The response provides the INTL-IR-TASK taskId for the console task created by MTS. MWE will use this information to create the activiti user task and sync MTS with the activiti task id.



### Operation: processAutomatedTransactionPair

This operation handles two special cases for inbound transactions. These types of transactions require an associated transaction to be processed, therefore, the request parameter is different than all the individual transaction types.

#### Operation Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Operations:** | processAutomatedTransactionPair | | | | |
| **Description:** | The following operation is used to process IR Ownership Change Partial and Ownership Change Merger transaction types. Each of these two types require an associated transaction in order to be process. These will be described below. | | | | |
| **Complexity:** | V. High | | | | |
| **Parameter Name** | | **Description** | **Data type** | **Size** | **Mandatory?** |
| AutomaticProcessingPairCriteria | | Object to hold the automated process request criteria |  | -- | Y |
| **Response** | | | | | |
| MtsAutomatedProcessResponse | | Object to hold the automated process response |  | -- | Y |
| ServiceFault | | Describes the return and reason code for the type of failure. Includes the Service name and also the English and French explanations | CIPOServiceFault  - returnCode  - reasonCode  - serviceName  - enErrorMsg  - frErrorMsg  **HTTP Response: 500-level** | -- | N |
| **Resource Item: MMS** | | | **Minimum Privilege Level Required: Read / Write** | | |

#### Process IR Ownership change – Partial

Use case reference

* SUC\_2.4.2 Process Ownership Change – Partial (D/O)
* SUC1.1 Process incoming packages V02

This operation will process IR Ownership Change Partial transactions with transaction categories of:

* Madrid Designation – Partial Change Of Ownership
* Madrid Designation Termination - Partial Change Of Ownership
* Madrid Protection Restriction - Partial Change Of Ownership

The successful processing of this transaction will create one of the following user tasks.

Madrid Designation Termination - Partial Change Of Ownership

* Partial Ownership Changed Occurred Notification - (TMOB Supervisor)

Madrid Protection Restriction - Partial Change Of Ownership

* Madrid Designation Partial Ownership Change Manual **- (**Madrid TM Operator**)**

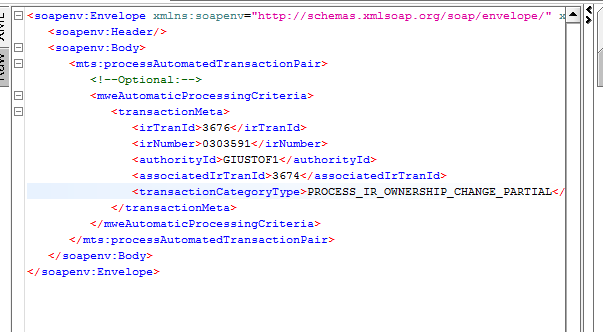
One or more applications can be processed per request, so one or more user tasks may need to be created. The ID’s of the console tasks that where created will be in the response.

##### Sequence Diagram





#### Sample Request



##### Data Mapping

Update table where application file number and extension match the application retrieved by IR Number.

Footnotes Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| FOOTNOTE\_SEQUENCE | NUMBER(3,0) | No | next available |
| FOOTNOTE\_TYPE | NUMBER(2,0) | No | Partial Assignment’ (15) |
| DATE\_OF\_CHANGE | DATE | Yes | Null |
| DATE\_REGISTERED | DATE | Yes | System Date |
| FOOTNOTE\_TEXT | VARCHAR2(2000 BYTE) | Yes | tbd |

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| ACTION\_CODE | NUMBER(3,0) | No | Partial Ownership (34) |
| ACTION\_DATE | DATE | No | Set to System Date |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Null |
| RESPONSE\_DATE | DATE | Yes | Null |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | null |

Interested Parties Table – new owner

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| IP\_NUMBER | NUMBER(5,0) | No | Sequence starting at 1 incremented for each Holder |
| MODIFIED\_TIMESTAMP | DATE | Yes | System Date |
| RELATIONSHIP\_TYPE | NUMBER(2,0) | No | Set to Owner (1) |
| APPLICANT\_IND | NUMBER(1,0) | No | 0 |
| REGISTRANT\_IND | NUMBER(1,0) | No | 0 |
| LANGUAGE\_OF\_PREFERENCE | NUMBER(1,0) | No | Set to the Language of the application |
| Remaining columns mapped the same as processing Madrid Designation. |  |  |  |
|  |  |  |  |

#### Process IR Ownership Change Merger

Use case reference

* SUC 2.5 Process IR Ownership Change Merger
* SUC1.1 Process incoming packages

This operation will process IR Ownership Change Merger transactions with transaction categories of:

* Madrid Designation Termination – Merger
* Madrid Designation – Merger

The successful processing of this transaction may or may not result in a Notification.

If any Open Section 45 Cases (Registered application), or any open Opposition Cases (Pending application) are found then the result of this process will create the following user task.

* Notification ownership change merger occurred - (TMOB Supervisor)

One or more applications can be processed per request, so one or more user tasks may need to be created. The application details for the user tasks will be in the response.

##### Data Mapping

Applications Table

Update table where application file number and extension match the application retrieved by IR Number in the Madrid Designation Termination – Merger transaction.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| IR\_NUMBER | VARCHAR2(10 BYTE) | Yes | <ns1:InternationalRegistrationNumber> of associated MadridDesignation |

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| ACTION\_CODE | NUMBER(3,0) | No | Ownership Change Merger (new #) |
| ACTION\_DATE | DATE | No | Set to System Date |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Null |
| RESPONSE\_DATE | DATE | Yes | Null |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | null |

Footnotes Table

Only created If the application Status is ‘Registered’ (12)

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| FOOTNOTE\_SEQUENCE | NUMBER(3,0) | No | next available ? |
| FOOTNOTE\_TYPE | NUMBER(2,0) | No | ‘Ownership Change Merger’ (new #) |
| DATE\_OF\_CHANGE | DATE | Yes | Null |
| DATE\_REGISTERED | DATE | Yes | System Date |
| FOOTNOTE\_TEXT | VARCHAR2(2000 BYTE) | Yes | tbd |

Opposition Cases Table

For qualifying Opposition Cases, update the following. Note: refer to use case. Criteria for retrieving opposition cases are different for application Status of ‘Registered’ (12) and status ‘Pending’.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| OPP\_STATUS\_CODE | NUMBER(3,0) | Yes | Closed’ (7) |

Opposition Case Actions Table

Insert a record.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Related opposition case |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Related opposition case |
| ACTION\_DATE | DATE | No | Set to System Date |
| EFFECTIVE\_DATE | DATE | Yes | Set to NULL |
| OPP\_CASE\_NUMBER | NUMBER(3,0) | No | Set to same case number as Oppostion Case ??? |
| OPP\_STAGE\_CODE | NUMBER(3,0) | No | Current OPP\_STAGE\_CODE |
| OPP\_ACTION\_CODE | NUMBER(3,0) | No | ‘Closed by TMO’ (593) |
| OPP\_ACTION\_TYPE | NUMBER(1,0) | No | Set to ??? |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to MADRID SECTION To be confirmed by TMB |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Set to NULL |
| RESPONSE\_DATE | DATE | Yes | Set to NULL |
| DELETE\_CODE | NUMBER(1,0) | Yes | Set to NULL |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Set to NULL |

### Operation: processAutomatedTransaction

This operation handles the majority of inbound transactions. These types of transactions are processed individually. No other associated transaction is required. The operation getUnprocessedTransactions returns the parameters which will be fed into this one.

#### Operation Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Operations:** | processIbToOfficeTransaction | | | | |
| **Description:** | This operation will process all inbound transaction types that can be processed individually. | | | | |
| **Complexity:** | V. High | | | | |
| **Parameter Name** | | **Description** | **Data type** | **Size** | **Mandatory?** |
| AutomaticProcessingCriteria | | Object to hold the automated process request criteria | See Appendix B – Automated Processing Request Parameters | -- | Y |
| **Response** | | | | | |
| AutomatedProcessResponse | | Object to hold the automated process response | See Appendix C – Automated Processing Response | -- | Y |
| ServiceFault | | Describes the return and reason code for the type of failure. Includes the Service name and also the English and French explanations | CIPOServiceFault  - returnCode  - reasonCode  - serviceName  - enErrorMsg  - frErrorMsg  **HTTP Response: 500-level** | -- | N |
| **Resource Item: MMS** | | | **Minimum Privilege Level Required: Read / Write** | | |

#### Sequence Diagram

This operation will fetch the input WIPO transaction and determine the processing path based on the transactionCategoryType returned from the getUnprocessedTransactions operation.

The details of each transactionCategoryType are described in the following sections.



Figure 7: Sequence diagram: processAutomatedTask

#### Transaction Category Types

***PROCESS\_IR\_DESIGNATION***,

***PROCESS\_IR\_RENEWAL***,

***PROCESS\_IR\_NON\_RENEWAL***,

***PROCESS\_IR\_CEASING\_OF\_EFFECT\_TOTAL***,

***PROCESS\_IR\_OWNERSHIP\_CHANGE\_TOTAL***,

***PROCESS\_IR\_CANCELLATION\_TOTAL***,

***PROCESS\_IR\_CANCELLATION\_PARTIAL***,

***PROCESS\_IR\_LIMITATION***,

***PROCESS\_IR\_CEASING\_OF\_EFFECT\_PARTIAL***,

***PROCESS\_IR\_HOLDER\_NAME\_ADDRESS\_CHANGE***,

***PROCESS\_IR\_RENUNCIATION***,

***PROCESS\_IR\_CREATION***,

***PROCESS\_MESSAGES\_TO\_WIPO***,

***PROCESS\_IR\_OWNERSHIP\_CHANGE\_MERGER***,

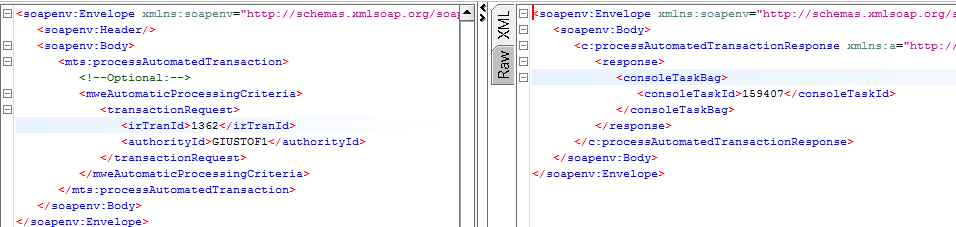
***PROCESS\_IR\_OWNERSHIP\_CHANGE\_PARTIAL***,

***PROCESS\_NOTIFICATION***,

***PROCESS\_IRREGULARITY***

#### Sample Request

This sample shows the processing of a Madrid Designation transaction. If the response contains a consoleTaskId, that means a console task was created by MTS and the workflow engine must now create a user task.



#### Process Designation (D/O)

Use case reference

* SUC\_2.1 Process Designation (D/O)
* SUC1.1 Process incoming packages V02

The data mapping for the listed tables have already been confirmed. The claims table has not been mapped as this was not present in the sample data. Request has been made for this. There is a change request coming for the Interested Parties so that will change.

This process will create a new application in Intrepid by inserting records in the tables below.

##### Data Mapping

Applications Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| LEGISLATION | NUMBER(2,0) | No | This should be set to TMA (1) |
| STATUS\_CODE | NUMBER(2,0) | No | ‘Formalized’ (2) |
| TRADE\_MARK\_TYPE | NUMBER(2,0) | No | See Trademark Feature Mapping table blow. |
| TRADE\_MARK\_CLASS | NUMBER(2,0) | No | Certification Mark’ (4) If IR is identified as a ‘collective’ mark. How is this identified?  Look in the MarkCategory element for enumeration value Collective Mark, Collective trademark, Collective Service Mark, Collective Membership Mark or Certification Mark. All other enumeration values will go to Trademark Class 1 (Trademark). |
| CLASSIFICATION\_REQUIRED\_IND | NUMBER(1,0) | No | 1 |
| COUNTRY\_OF\_ORIGIN | VARCHAR2(2 BYTE) | Yes | <tmk:OfficeOriginCode> |
| MODIFIED\_TIMESTAMP | DATE | Yes | System Date |
| REGISTERED\_USER\_IND | NUMBER(1,0) | No | 0 |
| PRECIOUS\_METALS\_IND | NUMBER(1,0) | No | 0 |
| FILING\_FEE\_IND | NUMBER(1,0) | No | 1 |
| DESIGN\_SPECIMENS\_FILED\_IND | NUMBER(1,0) | Yes | Null |
| DESIGN\_SAMPLE\_FILED\_IND | NUMBER(1,0) | Yes | Null |
| SECTION\_9\_CODE | NUMBER(2,0) | Yes | Null |
| DISCLAIMER\_CODE | NUMBER(1,0) | Yes | If MarkDisclaimerBag is present, then set value to “6” and load the MarkDisclaimerText into Applications\_Text with Text\_Type = 35 |
| REGISTRATION\_FEE\_AMOUNT | NUMBER(6,2) | Yes | Null |
| PREVIOUS\_FILE\_NUMBER | NUMBER(7,0) | Yes | Null |
| PREVIOUS\_EXTENSION\_COUNTER | NUMBER(2,0) | Yes | Null |
| LAST\_EXTENSION\_COUNTER\_USED | NUMBER(2,0) | Yes | Null |
| REGISTRATION\_NUMBER | NUMBER(7,0) | Yes | Null |
| EXPEDITE\_IND | NUMBER(1,0) | Yes | Null |
| G\_C\_NUMBER | VARCHAR2(12 BYTE) | Yes | Null |
| WS\_CLAIM\_WARNING\_IND | NUMBER(1,0) | Yes | Null |
| PHARMACEUTICAL\_IND | NUMBER(1,0) | Yes | Null |
| ELECTRONIC\_APPLICATION\_IND | NUMBER(1,0) | No | 1 |
| MANUAL\_CLASSIFICATION\_IND | NUMBER(1,0) | Yes | Null |
| REVISED\_IND | NUMBER(1,0) | Yes | Null |
| ON\_HOLD\_IND | NUMBER | No | 0 |
| GI\_INDICATION | NUMBER(2,0) | Yes | Null |
| PARENT\_FILE\_NUMBER | NUMBER(7,0) | Yes | Null |
| PARENT\_EXTENSION\_COUNTER | NUMBER(2,0) | Yes | null |
| IR\_NUMBER | VARCHAR2(10 BYTE) | Yes | Set to com:InternationalRegistrationNumber |
| INTL\_FILING\_RECORD\_ID | VARCHAR2(50 BYTE) | Yes | Set to com:RecordIdentifier |
|  |  |  |  |

Trademark / Feature Category Mapping

This is for TRADE\_MARK\_TYPE column in Application.

|  |  |  |
| --- | --- | --- |
| **MarkFeatureCategoryType** | **Trademark Code** | **Trademark Description** |
| WORD("Word") | 12 | Standard Character |
| FIGURATIVE("Figurative") | 2 | Design Trademark |
| COLOUR("Colour") | 3 | Colour Trademark |
| THREE\_DIMENSIONAL("Three dimensional") | 4 | Three-dimensional (3-D) Trademark |
| POSITION("Position") | 5 | Position Trademark |
| HOLOGRAM("Hologram") | 6 | Hologram Trademark |
| MOTION("Motion") | 7 | Motion Trademark |
| SOUND("Sound") | 8 | Sound Trademark |
| TASTE("Taste") | 9 | Taste Trademark |
| OLFACTORY("Olfactory") | 10 | Scent Trademark |
| TOUCH("Touch") | 11 | Texture Trademark |
| STYLIZED\_CHARACTERS("Stylized characters") | 2 | Design Trademark |
| MULTIMEDIA("Multimedia") | 7 | Initial setting will be Motion (Office may change) |
| COMBINED("Combined") | 2 | Initial setting will be Design (Office may change) |
| TRACER("Tracer") |  | These will not occur under Madrid |
| OTHER("Other") |  | These will not occur under Madrid |
|  |  |  |
|  |  |  |

Interested Parties Table

One interested party record will be created. If there is more than one holder, a notification will be created stating so. If there is more than one Contact in the first holder, then the contact names will be concatenated and separated with a “;”.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| IP\_NUMBER | NUMBER(5,0) | No | 1 |
| MODIFIED\_TIMESTAMP | DATE | Yes | System Date |
| RELATIONSHIP\_TYPE | NUMBER(2,0) | No | Set to Owner (1) |
| APPLICANT\_IND | NUMBER(1,0) | No | 1 |
| REGISTRANT\_IND | NUMBER(1,0) | No | 0 |
| LANGUAGE\_OF\_PREFERENCE | NUMBER(1,0) | No | Set to the Language of the application |
| COUNTRY\_PROVINCE | VARCHAR2(2 BYTE) | Yes | <com:CountryCode> |
| POSTAL\_CODE | VARCHAR2(6 BYTE) | Yes | <com: PostalCode> |
| TELEPHONE\_NUMBER | VARCHAR2(20 BYTE) | Yes | PhoneNumberBagType.phoneNumber – first one |
| REFERENCE | VARCHAR2(20 BYTE) | Yes | Null |
| AGENT\_NUMBER | NUMBER(5,0) | Yes | Null |
| AGENT\_REFERENCE | VARCHAR2(20 BYTE) | Yes | Null |
| AGENT\_ATTENTION | VARCHAR2(40 BYTE) | Yes | Null |
| REP\_NUMBER | NUMBER(5,0) | Yes | Null |
| REP\_REFERENCE | VARCHAR2(20 BYTE) | Yes | Null |
| REP\_ATTENTION | VARCHAR2(40 BYTE) | Yes | Null |
| NAME | VARCHAR2(2000 BYTE) | No | com:LegalEntityName if present else com:Name |
| ATTENTION | VARCHAR2(40 BYTE) | Yes | Null |
| ADDRESS | VARCHAR2(2000 BYTE) | Yes | Null – see InterestedPartiesAddresses |
| MAILING\_NAME\_ADDRESS | VARCHAR2(2000 BYTE) | Yes | Null |
| POINTER | VARCHAR2(2000 BYTE) | Yes | Null |
| BUSINESS\_NAME | VARCHAR2(2000 BYTE) | Yes | Null |
| BUSINESS\_ADDRESS | VARCHAR2(2000 BYTE) | Yes | Null |
| BUSINESS\_COUNTRY\_PROVINCE | VARCHAR2(2 BYTE) | Yes | Null |
| BUSINESS\_POSTAL\_CODE | VARCHAR2(6 BYTE) | Yes | Null |
| BUSINESS\_MAILING\_NAME\_ADDRESS | VARCHAR2(2000 BYTE) | Yes | Null |
| FAX\_NUMBER | VARCHAR2(20 BYTE) | Yes | ContactType - FaxNumberBagType - first one |
| E\_MAIL\_ADDRESS | VARCHAR2(100 BYTE) | Yes | Null – will store emails in Application-Emails |
| CORRESPONDENCE\_TYPE | NUMBER(2,0) | Yes | If an email address for the holder exists, set to ‘Electronic’ (4) else set to “Paper” (1) |
| AGENT\_CORRESPONDENCE\_TYPE | NUMBER(2,0) | Yes | Null |
| REP\_CORRESPONDENCE\_TYPE | NUMBER(2,0) | Yes | Null |
| PRIMARY\_INDICATOR | NUMBER(1,0) | Yes | Set to 1 |
|  |  |  |  |

Interested Parties Addresses Table

The first address will be extracted and saved.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | **From interested party** |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | **0** |
| IP\_NUMBER | NUMBER(5,0) | No | **From interested party** |
| ADDRESS\_TYPE | NUMBER(1,0) | No | **~~Principal Place of Business (Canada) for PostalAddressCategoryType.BUSINESS or Mailing Address for PostalAddressCategoryType.HOME~~ This will be the Main Address** |
| ADDRESS | VARCHAR2(2000 BYTE) | Yes | **PostalStructuredAddressType.AddressLineTestType** |
| COUNTRY\_PROVINCE | VARCHAR2(2 BYTE) | Yes | **PostalStructuredAddressType.countryCode** |
| POSTAL\_CODE | VARCHAR2(6 BYTE) | Yes | **PostalStructuredAddressType.postalCode** |

Application Emails Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| EMAIL\_SEQ | NUMBER(7,0) | No | Sequence starting at 1 incremented for each email address in ContactType – EmalAddressBagType |
| FILE\_NUMBER | NUMBER(7,0) | No | **Generated** |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | **0** |
| E\_MAIL\_ADDRESS | VARCHAR2(100 BYTE) | No | ContactType – EmalAddressBagType |

Wares-Services Table (Goods and Services)

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| WS\_TYPE | NUMBER(1,0) | No | If ClassNumber between 1 and 34 then ‘1’=goods  If ClassNumber between 35 and 45 then ‘2’=service  What if no ClassNumber is provided or not in range?  Error, which shouldn’t happen, as there are only 45 classes and WIPO will ensure there is a valid class(es) before sending. |
| WS\_NUMBER | NUMBER(3,0) | No | Sequence starting at 1 incremented for each G&S  Note the sequence WS\_Number starts at 1 for Goods and again at 1 for Services. |
| NICE\_CLASS\_CODE | NUMBER(2,0) | Yes | <tmk:ClassNumber> from ClassDescriptionBag |
| NICE\_EDITION | NUMBER(2,0) | Yes | Set to 10 if not present .classVersion from ClassDescriptionBag |
| GI\_CATEGORY\_TYPE | NUMBER(2,0) | Yes | Null |

Wares Services Texts Table (Goods and Services Texts)

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From wares-services |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| WS\_TYPE | NUMBER(1,0) | No | From wares-services |
| WS\_NUMBER | NUMBER(3,0) | No | Wares-Services.ws\_number |
| ORIGINAL\_IND | NUMBER(1,0) | No | *BR #2* |
| MODIFIED\_TIMESTAMP | DATE | No | System Date |
| TEXT | CLOB | No | GoodsServicesDescriptionText |
| LANGUAGE | NUMBER(1,0) | No | *BR #2* |
| TRANSLATION\_STATUS | NUMBER(2,0) | Yes | Null |
| PICKLIST\_IND | NUMBER(1,0) | Yes | Null |

Claims Table

The following rules for populating claims are based on sample data in the following package: ST96-JP-N201722.XML.

For RecordIdentifier 1028201801 this MadridDesignation there is a partial priority claim that does make sense in that the stated goods/services are less than the goods/services in the GoodsServicesDescriptionText.

<tmk:PriorityBag>

<tmk:Priority>

<com:PriorityCountryCode>IL</com:PriorityCountryCode>

<com:ApplicationNumber>

<com:ApplicationNumberText>289546</com:ApplicationNumberText>

</com:ApplicationNumber>

<com:PriorityApplicationFilingDate>2016-11-16</com:PriorityApplicationFilingDate>

<tmk:PriorityPartialGoodsServices>

<tmk:ClassDescriptionBag>

<tmk:ClassDescription>

<tmk:ClassNumber>38</tmk:ClassNumber>

<tmk:GoodsServicesDescriptionText com:languageCode="en">computer network services</tmk:GoodsServicesDescriptionText>

</tmk:ClassDescription>

<tmk:ClassDescription>

<tmk:ClassNumber>42</tmk:ClassNumber>

<tmk:GoodsServicesDescriptionText com:languageCode="en">computer network security services, namely, securing, restricting and protecting traffic to and by computer networks to and of undesired media, content, individuals and other networks, and providing temporary use of online, non-downloadable cloud computer software for use in connection with computer network security</tmk:GoodsServicesDescriptionText>

</tmk:ClassDescription>

</tmk:ClassDescriptionBag>

</tmk:PriorityPartialGoodsServices>

</tmk:Priority>

</tmk:PriorityBag>

Example Priority Claim with a PriorityPartialGoodsServices and GoodsServicesDescriptionText:

* Create the Priority Claim in INTREPID (Claims table, Claim\_Type = 12, Claim\_Number (start at 1 and increment by 1 for each Priority), Foreign\_Registration\_Number = com:ApplicationNumberText, Claim\_Date = com:PriorityApplicationFilingDate, Claim\_Country = com:PriorityCountryCode)
* Create additional Wares\_Services and Wares\_Services\_Texts records for each GoodsServicesDescriptionText (of the PriorityPartialGoodsServices) that has text
* Link the Priority Claim to the statements of Goods/Services that were created in previous bullet
* Create a Notify Task (for Madrid Console TMB Operations) to have the goods/services reviewed
* For this situation (using the third example) you will end up with four statements of Goods/Services in INTREPID, a Priority Claim and the Priority Claim linked to statements 3 and 4 as follows:
  + Services (1) (NICE Class 38): Computer network services, namely providing network communication services and access to global computer networks.
  + Services (2) (NICE Class 42): Computer network security services, namely, securing, restricting and protecting traffic to and by computer networks to and of undesired media, content, individuals and other networks; providing temporary use of online, non-downloadable cloud computer software for use in connection with computer network security, namely software for securing, restricting and protecting traffic to and by computer networks to and of undesired media, content, individuals and other networks.
  + Services (3) (NICE Class 38): computer network services
  + Services (4) (NICE Class 42): computer network security services, namely, securing, restricting and protecting traffic to and by computer networks to and of undesired media, content, individuals and other networks, and providing temporary use of online, non-downloadable cloud computer software for use in connection with computer network security
  + One Claims record (Claim\_Type = 12, Claim\_Number = 1, Foreign\_Registration\_Number = 289546, Claim\_Date = 20161116, Claim\_Country = IL)
  + Two WS\_Claims record (WS\_Type = 2, WS\_Number = 3, Claim\_Type = 12, Claim\_Number = 1), (WS\_Type = 2, WS\_Number = 4, Claim\_Type = 12, Claim\_Number = 1)
  + And one Notify Task to tell the TMB Operations user to review the Goods/Services

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| CLAIM\_TYPE | NUMBER(2,0) | No | 12 – Priority Claim |
| CLAIM\_NUMBER | NUMBER(3,0) | No | Start at 1. Increment for each priority |
| CLAIM\_CODE | NUMBER(2,0) | Yes |  |
| FOREIGN\_REGISTRATION\_NUMBER | VARCHAR2(20 BYTE) | Yes | com:ApplicationNumberText |
| CLAIM\_DATE | VARCHAR2(8 BYTE) | Yes | com:PriorityApplicationFilingDate |
| CLAIM\_COUNTRY | VARCHAR2(2 BYTE) | Yes | com:PriorityCountryCode |
| CERTIFIED\_COPY\_IND | NUMBER(1,0) | Yes |  |
| LANGUAGE | NUMBER(1,0) | No |  |
| EVIDENCE\_FILED\_IND | NUMBER(1,0) | Yes |  |

WS Claims Table

Based on above sample data example, 2 records will be created.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| WS\_TYPE | NUMBER(1,0) | No | 2 |
| WS\_NUMBER | NUMBER(3,0) | No | 3 |
| CLAIM\_TYPE | NUMBER(2,0) | No | 12 |
| CLAIM\_NUMBER | NUMBER(3,0) | No | 1 |
|  |  |  |  |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| WS\_TYPE | NUMBER(1,0) | No | 2 |
| WS\_NUMBER | NUMBER(3,0) | No | 4 |
| CLAIM\_TYPE | NUMBER(2,0) | No | 12 |
| CLAIM\_NUMBER | NUMBER(3,0) | No | 1 |

Trade Mark Table

Create record if XML contains MarkSignificantVerbalElement. If this element is not present in the transaction, the trade mark text will be defaulted to “MADRID – Missing trade mark text” tbd.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| TEXT | VARCHAR2(749 BYTE) | No | MarkSignificantVerbalElement |

Figurative Elements Table

If the Transaction contains tmk:MarkImageClassification, then populate this table. For each ViennaClassificationType in FigurativeElementClassificationBag.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| CATEGORY\_CODE | NUMBER(2,0) | No | viennaCategory |
| DIVISION\_CODE | NUMBER(2,0) | No | viennaDivision |
| SECTION\_CODE | NUMBER(2,0) | No | viennaSection |
| GROUP\_ID | NUMBER(2,0) | No | 1 incremented for each figurativeElementClassification. |
| SEQUENCE\_NUMBER | NUMBER(2,0) | No | 1 incremented for each ViennaClassification |

Physical Files Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| FILE\_TYPE | NUMBER(2,0) | No | eferences.code\_type=38 What code / file\_type?  1 Registered User  2 Trade-Mark  3 Secret  Set to 2 (Trademark) |
| LOCATION\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| TRANSIT\_IND | NUMBER(1,0) | Yes | Null |
| ARCHIVAL\_LOCATOR | VARCHAR2(20 BYTE) | Yes | Null |
| DISPOSED\_DATE | DATE | Yes | Null |
| ASCESSION\_NO | VARCHAR2(20 BYTE) | Yes | Null |

Application Texts Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| TEXT\_TYPE | NUMBER(2,0) | No | References.code\_type=18  30=Description of Mark  ~~1=Goods~~  ~~2=Services~~  ~~Others?~~  31 – Colour Claim  41 – Foreign Character Translation  42 – Foreign Character Transliteration  35 - Disclaimer |
| ORIGINAL\_IND | NUMBER(1,0) | No | *BR #2* |
| MODIFIED\_TIMESTAMP | DATE | No | System Date |
| TEXT | CLOB | No | Is this a duplication of text stored in other applicable tables such as ‘WARES\_SERVICES\_TEXTS’, CLAIMS\_TEXT, TRADE\_MARKS.text etc?  Goods, Services and Claims are in another set of tables. Only the Text\_Types identified above will have their text in this table. |
| LANGUAGE | NUMBER(1,0) | No | *BR #2* |
| TRANSLATION\_STATUS | NUMBER(2,0) | Yes | Null |

Mail Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_TYPE | NUMBER(2,0) | No | REGISTERED\_USER, or, TRADE\_MARK, or SECRET? (available file types)  2- Trade-Mark |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| MAIL\_TIMESTAMP | DATE | No | Set to System Date |
| MAIL\_ROOM\_DATE | DATE | No | Set to Package received date from the **PACKAGE** table |
| MAIL\_ATTACHED\_IND | NUMBER(2,0) | No | Set to ‘Electronic new application available online’ (3) |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| ATTACHMENT\_FILE\_NAME | VARCHAR2(50 BYTE) | Yes | MM2 PDF filename . See wiki Q151 |
| ADDITIONAL\_INFO | VARCHAR2(2000 BYTE) | Yes | Null |
| EC\_MAIL\_TEXT | CLOB | Yes | Null |

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| ACTION\_CODE | NUMBER(3,0) | No | * Created (1) * Filed (30) * Formalized (31) * Madrid Designation retrieved (new #) |
| ACTION\_DATE | DATE | No | *BR #1* |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Null |
| RESPONSE\_DATE | DATE | Yes | Null |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | null |

Process Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| PROCESS\_TYPE | NUMBER(1,0) | No | ONLINE (1) ? (OK) |
| PROCESS\_CODE | NUMBER(3,0) | No | * **PROCESS\_ACTIONS** table * Acknowledgement Notice (21) * Client Proof Sheet (93) * Research Sheet (22) * File Cover Label (20) * Edit Sheets (82) * MM2 (new #) |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Null |
| ALTERNATE\_MAIL\_TO | VARCHAR2(2000 BYTE) | Yes | Null |
| OPP\_CASE\_NUMBER | NUMBER(3,0) | Yes | Null |
| OFFICE\_TYPE | VARCHAR2(2 BYTE) | Yes | DO |
| WIPO\_REFERENCE\_NUMBER | VARCHAR2(20 BYTE) | Yes | Null |
| IR\_NUMBER | VARCHAR2(10 BYTE) | Yes | com:InternationalRegistrationNumber |
| PROCESS\_DATE | DATE | Yes | Null |

* WIPO will also provide a formatted / populated MM2 form with the package zip. There is no longer a need to build this form. TBD on the name of the form. Makes more sense to store this when importing the package rather than processing it.
* Update the transaction status to ‘Closed – Processed’.
* Store designs and/or electronic representations in the folder structure. This should be done at time of package import.

#### Process IR Renewal

This process will renew the IR. It will be triggered by one of the following transactions:

• MadridRenewal with Category: Renewal

• MadridRenewal with Category: Complementary Renewal

The renewal will be recorded on each resulting domestic mark (File Number) for the IR being renewed.

Use case reference

* SUC2.2 Process IR Renewal
* SUC1.1 Process incoming packages V02

##### Data Mapping

For each application file number and extension that match the application retrieved by IR Number.

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Pre-condition matched |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Pre-condition matched |
| ACTION\_CODE | NUMBER(3,0) | No | IR Renewed (new #) |
| ACTION\_DATE | DATE | No | Set to Renewal Date from Message |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Set to NULL |
| RESPONSE\_DATE | DATE | Yes | Set to NULL |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Set to ‘DP:’ + System Date |

Process Actions Table

If the Application Status is TradeMarkStatusType.REGISTERED (12), create the following process action.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Pre-condition matched |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Pre-condition matched |
| PROCESS\_TYPE | NUMBER(1,0) | No | ONLINE (1) ? |
| PROCESS\_CODE | NUMBER(3,0) | No | IR Renewal Certificate (new #) |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Null |
| ALTERNATE\_MAIL\_TO | VARCHAR2(2000 BYTE) | Yes | Null |
| OPP\_CASE\_NUMBER | NUMBER(3,0) | Yes | Null |
| OFFICE\_TYPE | VARCHAR2(2 BYTE) | Yes | DO |
| WIPO\_REFERENCE\_NUMBER | VARCHAR2(20 BYTE) | Yes | Null |
| IR\_NUMBER | VARCHAR2(10 BYTE) | Yes | com:InternationalRegistrationNumber |
| PROCESS\_DATE | DATE | Yes | Null |

#### Process IR Non-Renewal

Use case reference

* SUC2.3 Process IR Non Renewal.
* SUC1.1 Process incoming packages V02

The successful processing of this transaction will create the following user tasks:

* Section 45 case close user task for ‘Registered’ applications – (TMOB Supervisor) or an
* Opposition case closed user task for a ‘Pending’ application – (TMOB Supervisor).

One or more applications can be processed per request, so one or more user tasks may need to be created. The application details for the notification will be in the response.

##### Data Mapping

Applications Table

For each application file number and extension that match the application retrieved by IR Number.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| STATUS\_CODE | NUMBER(2,0) | No | If Status is ‘Registered’ (12)  Then Set Status Code to ‘Expunged’ (13)  If Status is ‘Pending’ Then Set Status Code to ‘Abandoned’ (19) |

Actions Table

Insert record into table.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Pre-condition matched |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Pre-condition matched |
| ACTION\_CODE | NUMBER(3,0) | No | If Status is ‘Registered’ (12)  Then ‘Expunged Failure to Renew’ (62)  If Status is ‘Pending’ Then ‘Abandoned Failure to Renew’ |
| ACTION\_DATE | DATE | No | Set to System Date |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Set to NULL |
| RESPONSE\_DATE | DATE | Yes | Set to NULL |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Set to NULL |

Opposition Cases Table

For qualifying Opposition Cases, update the following. Note: refer to use case. Criteria for retrieving opposition cases are different for application Status of ‘Registered’ (12) and status ‘Pending’.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| OPP\_STATUS\_CODE | NUMBER(3,0) | Yes | Closed’ (7) |

Opposition Case Actions Table

Insert a record.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Related opposition case |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Related opposition case |
| ACTION\_DATE | DATE | No | Set to System Date |
| EFFECTIVE\_DATE | DATE | Yes | Set to NULL |
| OPP\_CASE\_NUMBER | NUMBER(3,0) | No | Set to same case number as Oppostion Case ??? |
| OPP\_STAGE\_CODE | NUMBER(3,0) | No | Current OPP\_STAGE\_CODE |
| OPP\_ACTION\_CODE | NUMBER(3,0) | No | ‘Closed by TMO’ (593) |
| OPP\_ACTION\_TYPE | NUMBER(1,0) | No | Set to ??? |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to MADRID SECTION To be confirmed by TMB |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Set to NULL |
| RESPONSE\_DATE | DATE | Yes | Set to NULL |
| DELETE\_CODE | NUMBER(1,0) | Yes | Set to NULL |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Set to NULL |

Process Actions Table

If application status is ‘Registered’ (12), then create two Process Action records with process codes of:

* Expunge for Failure to Renew Notice to Requestor
* Expunge for Failure to Renew Notice

If application status is ‘Pending’ , then create two Process Action records with process codes of:

* Abandoned for Failure to Renew Notice to Opponent
* Abandoned for Failure to Renew Notice’

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Related opposition case |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Related opposition case |
| PROCESS\_TYPE | NUMBER(1,0) | No | Set to ‘Online’ (1) |
| PROCESS\_CODE | NUMBER(3,0) | No | See above for code |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB` |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Null |
| ALTERNATE\_MAIL\_TO | VARCHAR2(2000 BYTE) | Yes | Null |
| OPP\_CASE\_NUMBER | NUMBER(3,0) | Yes | Null |
| OFFICE\_TYPE | VARCHAR2(2 BYTE) | Yes | DO |
| WIPO\_REFERENCE\_NUMBER | VARCHAR2(20 BYTE) | Yes | Null |
| IR\_NUMBER | VARCHAR2(10 BYTE) | Yes | com:InternationalRegistrationNumber |
| PROCESS\_DATE | DATE | Yes | Null |

#### Process IR Ownership change – Total

Use case reference

* SUC\_2.4.1 Process Ownership Change - Total (D/O)
* SUC1.1 Process incoming packages V02

The successful processing of this transaction will create the following user task.

* Total Ownership Changed Occurred – (TMOB Supervisor)

One or more applications can be processed per request, so one or more user tasks may need to be created. The application details for the notification will be in the response.

##### Data Mapping

For each application file number and extension that match the application retrieved by IR Number.

Update the Interested Parties Table.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| RELATIONSHIP\_TYPE | NUMBER(2,0) | No | Set to Old Owner (2) |

Add a record in the Interested Party Table. (see above for Interested Party Addresses)

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| IP\_NUMBER | NUMBER(5,0) | No | Sequence starting at next available for application, incremented for each Holder |
| MODIFIED\_TIMESTAMP | DATE | Yes | System Date |
| RELATIONSHIP\_TYPE | NUMBER(2,0) | No | Set to Owner (1) |
| APPLICANT\_IND | NUMBER(1,0) | No | 0 |
| REGISTRANT\_IND | NUMBER(1,0) | No | 0 |
| LANGUAGE\_OF\_PREFERENCE | NUMBER(1,0) | No | Set to the Language of the application |
| COUNTRY\_PROVINCE | VARCHAR2(2 BYTE) | Yes | <com:CountryCode> |
| POSTAL\_CODE | VARCHAR2(6 BYTE) | Yes | <com: PostalCode> |
| TELEPHONE\_NUMBER | VARCHAR2(20 BYTE) | Yes | PhoneNumberBagType.phoneNumber – first one |
| REFERENCE | VARCHAR2(20 BYTE) | Yes | Null |
| AGENT\_NUMBER | NUMBER(5,0) | Yes | Null |
| AGENT\_REFERENCE | VARCHAR2(20 BYTE) | Yes | Null |
| AGENT\_ATTENTION | VARCHAR2(40 BYTE) | Yes | Null |
| REP\_NUMBER | NUMBER(5,0) | Yes | Null |
| REP\_REFERENCE | VARCHAR2(20 BYTE) | Yes | Null |
| REP\_ATTENTION | VARCHAR2(40 BYTE) | Yes | Null |
| NAME | VARCHAR2(2000 BYTE) | No | ContactType.Name |
| ATTENTION | VARCHAR2(40 BYTE) | Yes | Null |
| ADDRESS | VARCHAR2(2000 BYTE) | Yes | Null – see InterestedPartiesAddresses |
| MAILING\_NAME\_ADDRESS | VARCHAR2(2000 BYTE) | Yes | Null |
| POINTER | VARCHAR2(2000 BYTE) | Yes | Null |
| BUSINESS\_NAME | VARCHAR2(2000 BYTE) | Yes | Holder <com:LegalEntityName> |
| BUSINESS\_ADDRESS | VARCHAR2(2000 BYTE) | Yes | Null – see InterestedPartiesAddresses |
| BUSINESS\_COUNTRY\_PROVINCE | VARCHAR2(2 BYTE) | Yes | Null – see InterestedPartiesAddresses |
| BUSINESS\_POSTAL\_CODE | VARCHAR2(6 BYTE) | Yes | Null – see InterestedPartiesAddresses |
| BUSINESS\_MAILING\_NAME\_ADDRESS | VARCHAR2(2000 BYTE) | Yes | Null |
| FAX\_NUMBER | VARCHAR2(20 BYTE) | Yes | ContactType - FaxNumberBagType - first one |
| E\_MAIL\_ADDRESS | VARCHAR2(100 BYTE) | Yes | Null – will store emails in Application-Emails |
| CORRESPONDENCE\_TYPE | NUMBER(2,0) | Yes | If an email address for the holder exists, set to ‘Electronic’ (4) |
| AGENT\_CORRESPONDENCE\_TYPE | NUMBER(2,0) | Yes | Null |
| REP\_CORRESPONDENCE\_TYPE | NUMBER(2,0) | Yes | Null |
| PRIMARY\_INDICATOR | NUMBER(1,0) | Yes | Null |
|  |  |  |  |

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| ACTION\_CODE | NUMBER(3,0) | No | Change of title registered (80) |
| ACTION\_DATE | DATE | No | Set to System Date |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Null |
| RESPONSE\_DATE | DATE | Yes | Null |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | null |

Footnotes Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| FOOTNOTE\_SEQUENCE | NUMBER(3,0) | No | next available |
| FOOTNOTE\_TYPE | NUMBER(2,0) | No | ‘Owner’ (5) |
| DATE\_OF\_CHANGE | DATE | Yes | Null |
| DATE\_REGISTERED | DATE | Yes | System Date |
| FOOTNOTE\_TEXT | VARCHAR2(2000 BYTE) | Yes | tbd |

#### Process IR Total Cancellation

Use case reference

* SUC\_2.7.1 Process Cancellation – Total (D/O)
* SUC1.1 Process incoming packages V02

This operation will process IR Total Cancellation transactions with transaction categories of:

* Madrid Protection Restriction – Limitation
* Madrid Designation Termination – Total Cancellation
* Madrid Protection Restriction – Total Cancellation

The successful processing of this transaction will create one of the following user tasks.

* Notification section 45 case closed - (TMOB Supervisor) or
* Notification opposition case closed - (TMOB Supervisor)

One or more applications can be processed per request, so one or more user tasks may need to be created. The application details for the user tasks will be in the response.

##### Data Mapping

Applications Table

Update table where application file number and extension match the application retrieved by IR Number.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| STATUS\_CODE | NUMBER(2,0) | No | If Status is ‘Registered’ (12)  Set Status Code to ‘Cancelled – Owner’s Request’ (new #) What about Cancelled(14) ?  If Status is ‘Pending’ Then  Set Status ‘Withdrawn by owner’ (new #) What about Withdrawn(15) ? |

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| ACTION\_CODE | NUMBER(3,0) | No | If app Status is ‘Registered’ (12) then  Cancelled by owner’ (65)  Else if pending then  Withdrawn by owner’ (new #) What about Withdrawn(10) ? |
| ACTION\_DATE | DATE | No | Set to System Date |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Null |
| RESPONSE\_DATE | DATE | Yes | Null |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | null |

Opposition Cases Table

For qualifying Opposition Cases, update the following. Note: refer to use case. Criteria for retrieving opposition cases are different for application Status of ‘Registered’ (12) and status ‘Pending’.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| OPP\_STATUS\_CODE | NUMBER(3,0) | Yes | Closed’ (7) |

Opposition Case Actions Table

Insert a record.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Related opposition case |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Related opposition case |
| ACTION\_DATE | DATE | No | Set to System Date |
| EFFECTIVE\_DATE | DATE | Yes | Set to NULL |
| OPP\_CASE\_NUMBER | NUMBER(3,0) | No | Set to same case number as Oppostion Case ??? |
| OPP\_STAGE\_CODE | NUMBER(3,0) | No | Current OPP\_STAGE\_CODE |
| OPP\_ACTION\_CODE | NUMBER(3,0) | No | ‘Closed by TMO’ (593) |
| OPP\_ACTION\_TYPE | NUMBER(1,0) | No | Set to ??? |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to MADRID SECTION To be confirmed by TMB |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Set to NULL |
| RESPONSE\_DATE | DATE | Yes | Set to NULL |
| DELETE\_CODE | NUMBER(1,0) | Yes | Set to NULL |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Set to NULL |

Process Actions Table

If application status is ‘Registered’ (12), then create Process Action record with process code of:

* Cancelled by owner Notice’ (new #)

If application status is ‘Pending’ , then create Process Action record with process code of:

* ‘Withdrawn by owner Notice’ (new #)

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Related opposition case |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Related opposition case |
| PROCESS\_TYPE | NUMBER(1,0) | No | Set to ‘Online’ (1) |
| PROCESS\_CODE | NUMBER(3,0) | No | See above for code |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB` |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Null |
| ALTERNATE\_MAIL\_TO | VARCHAR2(2000 BYTE) | Yes | Null |
| OPP\_CASE\_NUMBER | NUMBER(3,0) | Yes | Null |
| OFFICE\_TYPE | VARCHAR2(2 BYTE) | Yes | Null |
| WIPO\_REFERENCE\_NUMBER | VARCHAR2(20 BYTE) | Yes | Null |
| IR\_NUMBER | VARCHAR2(10 BYTE) | Yes | Null |
| PROCESS\_DATE | DATE | Yes | Null |

#### Process IR Ceasing of Effect Total

Use case reference

* SUC 2.6.1 Process IR Ceasing of Effect Total
* SUC 2.6.2 Process IR Ceasing of Effect Partial
* SUC1.1 Process incoming packages

This operation will process IR Ceasing of Effect Total transactions with transaction categories of:

* Madrid Protection Restriction – Partial Ceasing of Effect
* Madrid Designation Termination – Total Ceasing of Effect

The successful processing of this transaction will create one of the following user tasks.

* Notification section 45 case closed - (TMOB Supervisor) or
* Notification opposition case closed - (TMOB Supervisor)

One or more applications can be processed per request, so one or more user tasks may need to be created. The application details for the user tasks will be in the response.

This process may be triggered from the manual use case Process IR Ceasing of Effect Partial. In this case, the Console will trigger the MWE to initiate it.

##### Data Mapping

Applications Table

Update table where application file number and extension match the application retrieved by IR Number.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| STATUS\_CODE | NUMBER(2,0) | No | If Status is ‘Registered’ (12)   * Set Status Code to ‘Cancelled’ (new #) What about Cancelled(14) ? * If Status is ‘Pending’ Then Set Status ‘Withdrawn (15)’ |

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| ACTION\_CODE | NUMBER(3,0) | No | If app Status is ‘Registered’ (12) then  ‘Cancelled’ (new #)  Else if pending then  Withdrawn (10) |
| ACTION\_DATE | DATE | No | Set to System Date |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Null |
| RESPONSE\_DATE | DATE | Yes | Null |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | null |

Opposition Cases Table

For qualifying Opposition Cases, update the following. Note: refer to use case. Criteria for retrieving opposition cases are different for application Status of ‘Registered’ (12) and status ‘Pending’.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| OPP\_STATUS\_CODE | NUMBER(3,0) | Yes | Closed’ (7) |

Opposition Case Actions Table

Insert a record.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Related opposition case |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Related opposition case |
| ACTION\_DATE | DATE | No | Set to System Date |
| EFFECTIVE\_DATE | DATE | Yes | Set to NULL |
| OPP\_CASE\_NUMBER | NUMBER(3,0) | No | Set to same case number as Oppostion Case ??? |
| OPP\_STAGE\_CODE | NUMBER(3,0) | No | Current OPP\_STAGE\_CODE |
| OPP\_ACTION\_CODE | NUMBER(3,0) | No | ‘Closed by TMO’ (593) |
| OPP\_ACTION\_TYPE | NUMBER(1,0) | No | Set to ??? |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to MADRID SECTION To be confirmed by TMB |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Set to NULL |
| RESPONSE\_DATE | DATE | Yes | Set to NULL |
| DELETE\_CODE | NUMBER(1,0) | Yes | Set to NULL |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Set to NULL |

Process Actions Table

If application status is ‘Registered’ (12), then create Process Action record with process code of:

* Cancelled Notice’ (new #)

If application status is ‘Pending’ , then create Process Action record with process code of:

* ‘Withdrawn Notice’ (new #)

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Related opposition case |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Related opposition case |
| PROCESS\_TYPE | NUMBER(1,0) | No | Set to ‘Online’ (1) |
| PROCESS\_CODE | NUMBER(3,0) | No | See above for code |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB` |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Null |
| ALTERNATE\_MAIL\_TO | VARCHAR2(2000 BYTE) | Yes | Null |
| OPP\_CASE\_NUMBER | NUMBER(3,0) | Yes | Null |
| OFFICE\_TYPE | VARCHAR2(2 BYTE) | Yes | Null |
| WIPO\_REFERENCE\_NUMBER | VARCHAR2(20 BYTE) | Yes | Null |
| IR\_NUMBER | VARCHAR2(10 BYTE) | Yes | Null |
| PROCESS\_DATE | DATE | Yes | Null |

#### Process IR Holder Name Address Change

Use case reference

* SUC 2.8 Process IR Holder Name Address Change
* SUC1.1 Process incoming packages

The successful processing of this transaction will create the following user task.

* IR Holder Name/Address Change occurred - (TMOB Supervisor)

One or more applications can be processed per request, so one or more user tasks may need to be created. The application details for the user tasks will be in the response.

##### Data Mapping

Interested Parties Table

Update Owner’s Name and Address. There is a change request coming which may impact update of name. TBD

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| IP\_NUMBER | NUMBER(5,0) | No | Sequence starting at 1 incremented for each Holder |
| MODIFIED\_TIMESTAMP | DATE | Yes | System Date |
| NAME | VARCHAR2(2000 BYTE) | No | com:LegalEntityName if present else com:Name |
|  |  |  |  |
| ADDRESS | VARCHAR2(2000 BYTE) | Yes | Null – see InterestedPartiesAddresses |
| FAX\_NUMBER | VARCHAR2(20 BYTE) | Yes | ContactType - FaxNumberBagType - first one |

Interested Parties Addresses Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | **From interested party** |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | **0** |
| IP\_NUMBER | NUMBER(5,0) | No | **From interested party** |
| ADDRESS\_TYPE | NUMBER(1,0) | No | **This will be the Main Address** |
| ADDRESS | VARCHAR2(2000 BYTE) | Yes | **PostalStructuredAddressType.AddressLineTestType** |
| COUNTRY\_PROVINCE | VARCHAR2(2 BYTE) | Yes | **PostalStructuredAddressType.countryCode** |
| POSTAL\_CODE | VARCHAR2(6 BYTE) | Yes | **PostalStructuredAddressType.postalCode** |

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| ACTION\_CODE | NUMBER(3,0) | No | If Status is ‘Registered’ (12) then  ‘Amendment to Registration’ (57)  Else Pending  ‘Amendment to Application’ (135) |
| ACTION\_DATE | DATE | No | Set to System Date |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Null |
| RESPONSE\_DATE | DATE | Yes | Null |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | null |

Footnotes Table

Only created If the application Status is ‘Registered’ (12)

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| FOOTNOTE\_SEQUENCE | NUMBER(3,0) | No | next available ? |
| FOOTNOTE\_TYPE | NUMBER(2,0) | No | ‘Name and Address’ (14) |
| DATE\_OF\_CHANGE | DATE | Yes | Null |
| DATE\_REGISTERED | DATE | Yes | System Date |
| FOOTNOTE\_TEXT | VARCHAR2(2000 BYTE) | Yes | ‘FROM: *Old Name* TO: *New Name’* |

Process Actions Table

If application status is ‘Registered’ (12), For each open Section 45 Case, notify the requestor(s) create Process Action record with process code of

* ‘IR Holder Name/Address Change Notice’

If application status is ‘Pending’ , For each open Opposition Case, notify the opponent(s) create Process Action record with process code of:

* ‘IR Holder Name/Address Change Notice’

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Related opposition case |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Related opposition case |
| PROCESS\_TYPE | NUMBER(1,0) | No | Set to ‘Online’ (1) |
| PROCESS\_CODE | NUMBER(3,0) | No | See above for code |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB` |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Null |
| ALTERNATE\_MAIL\_TO | VARCHAR2(2000 BYTE) | Yes | Null |
| OPP\_CASE\_NUMBER | NUMBER(3,0) | Yes | Null |
| OFFICE\_TYPE | VARCHAR2(2 BYTE) | Yes | Null |
| WIPO\_REFERENCE\_NUMBER | VARCHAR2(20 BYTE) | Yes | Null |
| IR\_NUMBER | VARCHAR2(10 BYTE) | Yes | Null |
| PROCESS\_DATE | DATE | Yes | Null |

#### Process IR Renunciation

Use case reference

* SUC 2.9 Process IR Renunciation v0.2
* SUC1.1 Process incoming packages

The successful processing of this transaction will create the following user task.

* Section 45 Case(s) closed - (TMOB Supervisor)

One or more applications can be processed per request, so one or more user tasks may need to be created. The application details for the user tasks will be in the response.

##### Data Mapping

Applications Table

Update table where application file number and extension match the application retrieved by IR Number in the Madrid Designation Termination – Renunciation transaction.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| STATUS\_CODE | NUMBER(2,0) | No | If Status is ‘Registered’ (12) then  ‘Cancelled’ (14)  Else Pending then  ‘Withdrawn’ (15) |

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| ACTION\_CODE | NUMBER(3,0) | No | If Status is ‘Registered’ (12) then  ‘Cancelled’ (new #)  Else Pending  ‘Withdrawn’ (10) |
| ACTION\_DATE | DATE | No | Set to System Date |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Null |
| RESPONSE\_DATE | DATE | Yes | Null |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | null |

Opposition Cases Table

For qualifying Opposition Cases, update the following. Note: refer to use case. Criteria for retrieving opposition cases are different for application Status of ‘Registered’ (12) and status ‘Pending’.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| OPP\_STATUS\_CODE | NUMBER(3,0) | Yes | Closed’ (7) |

Opposition Case Actions Table

Insert a record.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Related opposition case |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Related opposition case |
| ACTION\_DATE | DATE | No | Set to System Date |
| EFFECTIVE\_DATE | DATE | Yes | Set to NULL |
| OPP\_CASE\_NUMBER | NUMBER(3,0) | No | Set to same case number as Oppostion Case ??? |
| OPP\_STAGE\_CODE | NUMBER(3,0) | No | Current OPP\_STAGE\_CODE |
| OPP\_ACTION\_CODE | NUMBER(3,0) | No | ‘Closed by TMO’ (593) |
| OPP\_ACTION\_TYPE | NUMBER(1,0) | No | Set to ??? |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to MADRID SECTION To be confirmed by TMB |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Set to NULL |
| RESPONSE\_DATE | DATE | Yes | Set to NULL |
| DELETE\_CODE | NUMBER(1,0) | Yes | Set to NULL |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Set to NULL |

Process Actions Table

If application status is ‘Registered’ (12), For each open Section 45 Case, notify the requestor(s) create Process Action record with process code of

* ‘Cancelled Notice’ (new #)

If application status is ‘Pending’ , For each open Opposition Case, notify the opponent(s) create Process Action record with process code of:

* ‘Withdrawn Notice’ (new #)

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Related opposition case |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Related opposition case |
| PROCESS\_TYPE | NUMBER(1,0) | No | Set to ‘Online’ (1) |
| PROCESS\_CODE | NUMBER(3,0) | No | See above for code |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB` |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Null |
| ALTERNATE\_MAIL\_TO | VARCHAR2(2000 BYTE) | Yes | Null |
| OPP\_CASE\_NUMBER | NUMBER(3,0) | Yes | Null |
| OFFICE\_TYPE | VARCHAR2(2 BYTE) | Yes | Null |
| WIPO\_REFERENCE\_NUMBER | VARCHAR2(20 BYTE) | Yes | Null |
| IR\_NUMBER | VARCHAR2(10 BYTE) | Yes | Null |
| PROCESS\_DATE | DATE | Yes | Null |

#### Process Madrid IR Creation

Use case reference

* SUC 2.10 Process Madrid IR Creation
* SUC1.1 Process incoming packages

This operation will process Madrid IR Creation transactions with transaction category of:

* Madrid International Registration Creation - Registration

The pre-condition for this process is:

1. There is no application matching the IR Number (<com:InternationalRegistrationNumber>) in the Intrepid APPLICATIONS table.
2. The IR Number exists in the MADRID\_APPLICATIONS table.

The successful processing of this transaction will update the MADRID\_APPLICATIONS table IA Number to the <com:OfficeReferenceIdentifier> of the transaction.

##### Data Mapping

The IR\_NUMBER and STATUS\_CODE are updated.

Madrid\_Applications Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| IR\_NUMBER | VARCHAR2(10 BYTE) | Yes | Set the IR Number to the IR Number from the Message |
| STATUS\_CODE | NUMBER(2,0) | No | ‘Registered’ (new #) |
|  |  |  |  |

#### Process Madrid IR Notification

Use case reference

* SUC 2.15 Process IR Notification
* SUC1.1 Process incoming packages

This operation will process Madrid IR Notification transactions with transaction type of:

* Madrid Basic Registration Application Change

The successful processing of this transaction will create a record in the ACTIONS table for each Application matching the IR Number of the wipo transaction.

##### Data Mapping

For each application file number and extension that match the application retrieved by IR Number.

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From application |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | From application |
| ACTION\_CODE | NUMBER(3,0) | No | IR Notification Filed (new #) |
| ACTION\_DATE | DATE | No | Set to System Date |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Null |
| RESPONSE\_DATE | DATE | Yes | Null |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | null |

#### Manual Tasks

Use case reference

* SUC1.1 Process incoming packages

Manual tasks will be created for the following MadridProtectionRestriction inbound transaction categories:

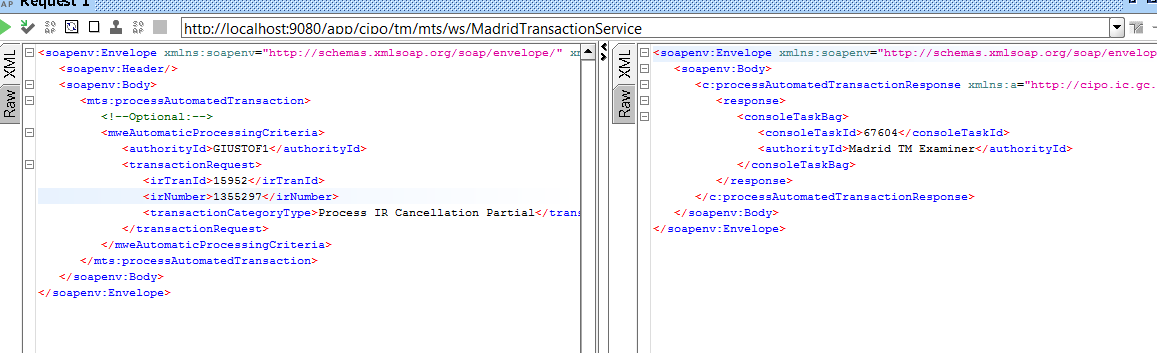
* Process IR Cancellation – Partial
* Process IR G&S Limitation
* Process IR Ceasing of Effect – Partial

This operation will determine who the manual task is assigned to as well as creating the console task. At this point, the console task is not associated to a MWE activiti task.

* If any open Opposition/Section 45 Cases are found
  + - Assign the Task to ‘TMOB Operator’
* Otherwise
  + - Assign the Task to ‘Madrid TM Examiner’

A manual task will also be created for a MadridProtectionRestriction transaction with a category of Process IR Ownership change – Partial. Please see section ‘Process IR Ownership change – Partial’ under operation processIbToOfficeTransactionPair for more details.

The response will contain the international task id’s, as well as the authority id. The MWE will assign the task to the provided authority. Here is a sample:



### Operation: processManualTransaction

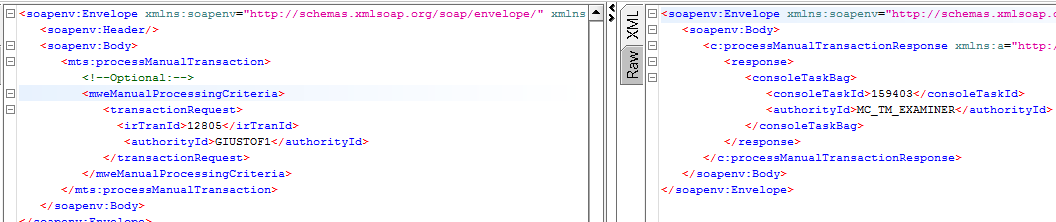
This operation will process manual inbound transactions. These types of transactions are processed individually. The request parameters for this operation are provided by the “getUnprocessedTransactions” operation. You can see a sample request for manual transactions in that section.

The purpose of this operation is to create a console task in the international database. The task id is returned to the workflow engine along with the Authority to which the user task should be assigned. The workflow engine can then proceed to create the user task.

#### Operation Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Operations:** | processManualTransaction | | | | |
| **Description:** | This operation will process all inbound manual transaction types. MadridProtectionRestriction types will result in the authority to which the user task should be assigned. Irregularity Notification user tasks will be assigned to Madrid TM Supervisor. | | | | |
| **Complexity:** | V. Low | | | | |
| **Parameter Name** | | **Description** | **Data type** | **Size** | **Mandatory?** |
| mweManualProcessingCriteria | | Object to hold the automated process request criteria | ManualProcessingCriteria | -- | Y |
| **Response** | | | | | |
| ManualProcessResponse | | Object to hold the automated process response | ManualProcessResponse | -- | Y |
| ServiceFault | | Describes the return and reason code for the type of failure. Includes the Service name and also the English and French explanations | CIPOServiceFault  - returnCode  - reasonCode  - serviceName  - enErrorMsg  - frErrorMsg  **HTTP Response: 500-level** | -- | N |
| **Resource Item: MMS** | | | **Minimum Privilege Level Required: Read / Write** | | |

#### Sample Request



### Operation: getOfficeToIbProcessActions

This operation gets a list of Intrepid process actions which will be used by a specific BPM to create an outbound transaction in the International database.

Only process actions that belong to registered applications will be retrieved. Process Actions containing IR Numbers identify registered applications.

#### Operation Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Operation:** | **getOfficeToIbProcessActions** | | | | |
| **Description:** | This operation will retrieve a collection of process actions from INTREPID that are ready to be processed into Madrid protocol OfficeToIB transactions. | | | | |
| **Complexity:** | Low | | | | |
| **Parameter Name** | | **Description** | **Data type** | **Size** | **Mandatory?** |
| OfficeToIbProcessActionsCriteria | | An object to hold the search criteria for the process actions | Will contain the following:   * ~~Start Date (Date)~~ * ~~End Date (Date)~~ * ~~Status (PROCESSED, UNPROCESSED) (M)~~ * Manual * Automatic * All | -- | Y |
| **Response** | | | | | |
| OfficeToIbProcessActions | | A collection of process actions to be converted to OfficeToIB | A collection of “ProcessActionsMeta” objects  **HTTP Response: 200-level** | -- | Y |
| ServiceFault | | Describes the return and reason code for the type of failure. Includes the Service name and also the English and French explanations | CIPOServiceFault  - returnCode  - reasonCode  - serviceName  - enErrorMsg  - frErrorMsg  **HTTP Response: 500-level** | -- | N |
| **Resource Item: MMS** | | | **Minimum Privilege Level Required: Read only** | | |

Table 11: Operation Summary for getOfficeToIbProcessActions

##### Sample Request

The following sample shows a request for a list of Intrepid Process Actions. MWE will execute the appropriate BPM based on the processActionCodeType, which will prompt the MTS to create International outbound transactions containing Intrepid information.



#### Sequence Diagram

This operation simply fetches a collection of process actions from the INTREPID datastore and returns it.



Figure 8: Sequence diagram: getOfficeToIbProcessActions

##### Automated Process Action Codes

|  |  |
| --- | --- |
| **Process Action Code** | **Process Action Description** |
| 242 | Send MF1 |
| 226 | Send MF2 |
| 227 | Send MF3 |
| 228 | Send MF4 |
| 229 | Send MF5 |
| 230 | Send MF6 |
| 231 | Send MF7 |
| 224 | Send Invalidation Full |
| 225 | Send Invalidation Partial |
| 204 | Create IR Replacement Transaction Full |
| 205 | Create IR Replacement Transaction Partial |
| 217 | Reactivate Hold/Unprocessed Tasks |
| 222 | Send IR Correction Request |
| 213 | Generate Madrid Ceasing Effect Partial |
| 208 | Division of Basic Application |
| 209 | Merger of Basic Application |
| 210 | Merger of Basic Application/Ext G/S |
| 219 | Remove OO Tasks from Hold |
| 218 | Close OO Tasks |
| 211 | Potential Ceasing of Effect |

Table 12: Automated Process Action Codes

##### Manual Process Action Codes

|  |  |
| --- | --- |
| **Process Action Code** | **Process Action Description** |
| 202 | Assign to Madrid Examiner |
| 206 | Notify IB of MF6 Removal |
| 207 | Notify IR Not Renewed |
| 212 | Generate Madrid Ceasing Effect Partial |
| 214 | IR Transformation Request Hold |
| 216 | Process IR Replacement |
| 220 | Review Incoming Correspondence |
| 207 | Notify IR Not Renewed |

Table 13: Manual Process Action Codes

### Operation: createOfficeToIbTransaction

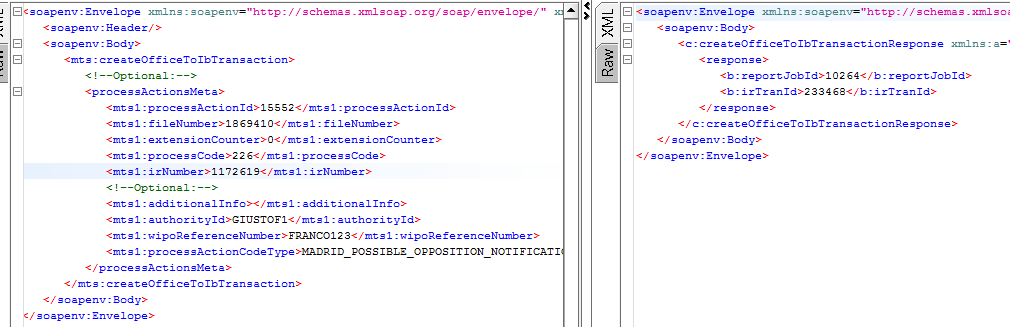
This operation fetches INTREPID data for a single OfficeToIB transaction, formulates the ST.96 compliant XML transaction to be sent to WIPO, and then queues up the transaction for packaging by MWE.

##### Operation Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Operations:** | createOfficeToIbTransaction | | | | |
| **Description:** | This operation will take a process action in INTREPID, create a WIPO OfficeToIB message in ST.96 format, and queue it for packaging. This will be used by the automated workflow for preparing INTREPID changed files to be sent to WIPO. All actions related to message formulation (such as creating the requisite Madrid forms) will be done via this operation and its subordinates.  Use case reference  SUC 1.2 Create Tasks from Intrepid  SUC 1.3 Process Tasks  TM - IDED - Workflow - Bill C-31 Main-Madrid Workflow Engine | | | | |
| **Complexity:** | Low | | | | |
| **Parameter Name** | | **Description** | **Data type** | **Size** | **Mandatory?** |
| ProcessActionsMeta | | Object to hold the process action details | See Appendix todo | -- | Y |
| **Response** | | | | | |
| OfficeToIbResponse | | Object to hold the offictToIb response | See Appendix todo | -- | Y |
| ServiceFault | | Describes the return and reason code for the type of failure. Includes the Service name and also the English and French explanations | CIPOServiceFault  - returnCode  - reasonCode  - serviceName  - enErrorMsg  - frErrorMsg  **HTTP Response: 500-level** | -- | N |
| **Resource Item: MTS** | | | **Minimum Privilege Level Required: Read / Write** | | |

##### Sample Request

The following sample shows a request for a MF2 outbound transaction to be created. The response provides a reportId which is the RGS report Id for the submitted report request to generate the MF2 pdf. The MWE will then use this report id to poll the RGS until it receives a status indicating that the report is complete. When the report is complete, MWE will send the transaction id and the report it back to MTS via the generateReportNotification operation.



#### Sequence Diagram – No Documents



#### Sequence Diagram – With Documents



#### Process Actions

The following table lists each of the process actions that create manual tasks, and outbound transactions as well as its associated MF form and st96 mapping document.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Process Action | Office Type | Manual / Auto | MF Form | Mapping Document |
| Generate Madrid Ceasing Effect Total | O/O | Auto | [MF9](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe?func=ll&objaction=overview&objid=8567934) | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe?func=ll&objaction=overview&objid=8601650) |
| Potential Ceasing of Effect | O/O | Auto | N/A | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe?func=ll&objaction=overview&objid=8606317) |
| Division of Basic Application | O/O | Auto | N/A | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8544192/TM_-_IDD_-_MTS_-_Mapping_MadridNewBasicApplication.xls?func=Edit.Edit&reqp=0&nodeid=8544192&ReadOnly=True&VerNum=-2&viewType=1) |
| Merger of Basic Application | O/O | Auto | N/A | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8544192/TM_-_IDD_-_MTS_-_Mapping_MadridNewBasicApplication.xls?func=Edit.Edit&reqp=0&nodeid=8544192&ReadOnly=True&VerNum=-2&viewType=1) |
| Merger of Basic Application/Ext G/S | O/O | Auto | N/A | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8544192/TM_-_IDD_-_MTS_-_Mapping_MadridNewBasicApplication.xls?func=Edit.Edit&reqp=0&nodeid=8544192&ReadOnly=True&VerNum=-2&viewType=1) |
|  |  |  |  |  |
| Send MF1 | D/O | Auto | [MF1](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8569149/MF1_E_-_Final.docx?func=Edit.Edit&reqp=0&nodeid=8569149&ReadOnly=True&VerNum=-2&viewType=1) | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe?func=ll&objaction=overview&objid=8587842) |
| Send MF2 | D/O | Auto | [MF2](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8566626/MF2_E_-_Final.docx?func=Edit.Edit&reqp=0&nodeid=8566626&ReadOnly=True&VerNum=-2&viewType=1) | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8587842/TM_-_IDD_-_MTS_-_Mapping_MadridPossibleOppositionNotification-MF1-MF2.xls?func=Edit.Edit&reqp=0&nodeid=8587842&ReadOnly=True&VerNum=-2&viewType=1) |
|  |  |  |  |  |
| Send MF4 | D/O | Auto | [MF4](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8571888/MF4_E_-_Final.docx?func=Edit.Edit&reqp=0&nodeid=8571888&ReadOnly=True&VerNum=-2&viewType=1) | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8591260/TM_-_IDD_-_MTS_-_Mapping_MadridGrantProtection-MF4.xls?func=Edit.Edit&reqp=0&nodeid=8591260&ReadOnly=True&VerNum=-2&viewType=1) |
| Send MF5 | D/O | Auto | [MF5](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8567176/MF5_E_-_Final.docx?func=Edit.Edit&reqp=0&nodeid=8567176&ReadOnly=True&VerNum=-2&viewType=1) | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8598804/TM_-_IDD_-_MTS_-_Mapping_MadridFinalDecision-MF5.xls?func=Edit.Edit&reqp=0&nodeid=8598804&ReadOnly=True&VerNum=-2&viewType=1) |
| Send MF6 | D/O | Auto | [MF6](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8568725/MF6_E_-_Final.docx?func=Edit.Edit&reqp=0&nodeid=8568725&ReadOnly=True&VerNum=-2&viewType=1) | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8603212/TM_-_IDD_-_MTS_-_Mapping_MadridFinalDecision-MF6.xls?func=Edit.Edit&reqp=0&nodeid=8603212&ReadOnly=True&VerNum=-2&viewType=1) |
|  |  |  |  |  |
| Create IR Replacement Transaction Full | D/O | Auto | N/A | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8603509/TM_-_IDD_-_MTS_-_Mapping_MadridNationalRegistrationReplacement.xls?func=Edit.Edit&reqp=0&nodeid=8603509&ReadOnly=True&VerNum=-2&viewType=1) |
| Create IR Replacement Transaction Partial | D/O | Auto | N/A | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8605600/TM_-_IDD_-_MTS_-_Mapping_MadridNationalRegistrationReplacement-Partial.xls?func=Edit.Edit&reqp=0&nodeid=8605600&ReadOnly=True&VerNum=-2&viewType=1) |
| Send Invalidation Full | D/O | Auto | [MF10](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8570817/MF10_E_-_Final.docx?func=Edit.Edit&reqp=0&nodeid=8570817&ReadOnly=True&VerNum=-2&viewType=1) | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8607208/TM_-_IDD_-_MTS_-_Mapping_MadridInvalidation-MF10.xls?func=Edit.Edit&reqp=0&nodeid=8607208&ReadOnly=True&VerNum=-2&viewType=1) |
| Send Invalidation Partial | D/O | Auto | [MF10](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8570817/MF10_E_-_Final.docx?func=Edit.Edit&reqp=0&nodeid=8570817&ReadOnly=True&VerNum=-2&viewType=1) | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8603187/TM_-_IDD_-_MTS_-_Mapping_MadridInvalidation-Partial-MF10_.xls?func=Edit.Edit&reqp=0&nodeid=8603187&ReadOnly=True&VerNum=-2&viewType=1) |
| Send IR Correction Request | O/O | Auto | N/A | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8604292/TM_-_IDD_-_MTS_-_Mapping_MadridCorrectionRequest.xls?func=Edit.Edit&reqp=0&nodeid=8604292&ReadOnly=True&VerNum=-2&viewType=1) |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

#### International Package Transaction Type / WIPO Transactions

The following international package transaction types in the madrid international database will map to the corresponding WIPO outbound transactions.

|  |  |
| --- | --- |
| **INTL\_PKG\_TRAN\_TYPE** | **WIPO Transaction** |
| MADRID\_POSSIBLE\_OPPOSITION\_NOTIFICATION\_MF1 Id: 200 | MadridPossibleOppositionNotificationType |
| MADRID\_POSSIBLE\_OPPOSITION\_NOTIFICATION\_MF2 Id: 201 | MadridPossibleOppositionNotificationType |
| MADRID\_PROVISIONAL\_REFUSAL\_MF3 Id: 202 | MadridProvisionalRefusalType |
| MADRID\_GRANT\_PROTECTION\_MF4 Id: 203 | MadridGrantProtectionType |
| MADRID\_FINAL\_DECISION\_MF5 Id: 204 | MadridFinalDecisionType |
| MADRID\_FINAL\_DECISION\_MF6 Id: 205 | MadridFinalDecisionType |
| MADRID\_FURTHER\_DECISION\_MF7 Id: 206 | MadridFinalDecisionType |
| MADRID\_CEASING\_EFFECT\_MF9 Id: 207 | MadridCeasingEffectType |
| MADRID\_INVALIDATION\_FULL\_MF10 Id: 208 | MadridInvalidationType |
| MADRID\_INVALIDATION\_PARTIAL\_MF10 Id: 209 | MadridInvalidationType |
| MADRID\_NATIONAL\_REGISTRATION\_REPLACEMENT\_TOTAL Id: 210 | MadridNationalRegistrationReplacementType |
| MADRID\_NATIONAL\_REGISTRATION\_REPLACEMENT\_PARTIAL Id: 211 | MadridNationalRegistrationReplacementType |
| MADRID\_NEW\_BASIC\_APPLICATION\_DIVISION Id: 212 | MadridNewBasicApplicationType |
| MADRID\_NEW\_BASIC\_APPLICATION\_MERGER Id: 213 | MadridNewBasicApplicationType |
| MADRID\_NEW\_BASIC\_APPLICATION\_MERGER\_EXT Id: 214 | MadridNewBasicApplicationType |
| MADRID\_CORRECTION\_REQUEST Id: 215 | MadridCorrectionRequestType |
| MADRID\_POTENTIAL\_CEASING\_EFFECT Id: 216 | MadridPotentialCeasingEffectType |

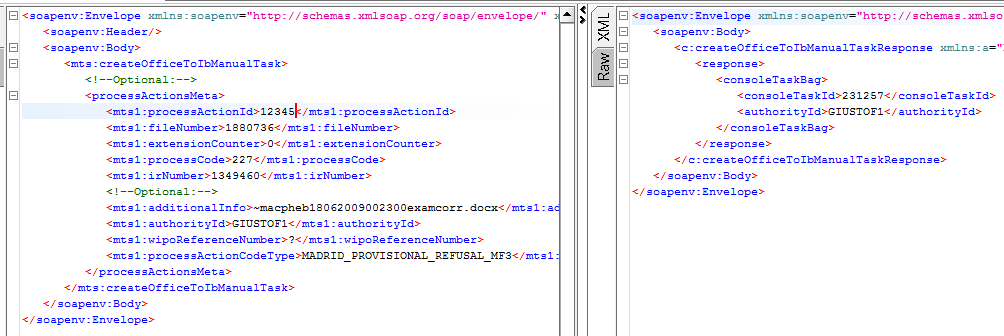
### Operation: createOfficeToIbManualTask

The following process actions will create a manual task for the madrid console.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Process Action | Office Type | Manual / Notification | MF Form | Mapping Document |
| Send MF3 | D/O | Manual | [MF3a](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8570709/MF3A_E_-_Final.docx?func=Edit.Edit&reqp=0&nodeid=8570709&ReadOnly=True&VerNum=-2&viewType=1) | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8591556/TM_-_IDD_-_MTS_-_Mapping_MadridProvisionalRefusal-MF3a.xls?func=Edit.Edit&reqp=0&nodeid=8591556&ReadOnly=True&VerNum=-2&viewType=1) |
| Send MF7 | D/O | Manual | [MF7](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8578733/MF7_E_-_Final.docx?func=Edit.Edit&reqp=0&nodeid=8578733&ReadOnly=True&VerNum=-2&viewType=1) | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe/8601422/TM_-_IDD_-_MTS_-_Mapping_MadridFurtherDecision-MF7.xls?func=Edit.Edit&reqp=0&nodeid=8601422&ReadOnly=True&VerNum=-2&viewType=1) |
| Process NA/NR Ceasing of Effect – Partial | O/O | Manual | N/A | N/A |
| Review Incoming Correspondence | D/O | Notification | N/A | N/A |
| IR has not been renewed | D/O | Notification | N/A | N/A |
| Notify IB of MF6 Removal | D/O | Notification | N/A | N/A |
| Ready for Madrid Examination | D/O | Notification | N/A | N/A |
| Process IR Replacement | D/O | Notification | N/A | N/A |
| Madrid Cancellation | D/O | Manual | N/A | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe?func=ll&objaction=overview&objid=11308433) |
| Madrid Limitation | D/O | Manual | MF13 | [ST96 Mapping](https://ised-isde-gcdocs.ic.gc.ca/IC-GCDOCS/livelink.exe?func=ll&objaction=overview&objid=8608847) |

#### Sample Request

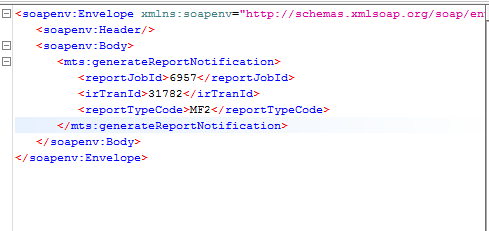
* The processActionMeta request object is retrieved by the getOfficeToIbProcessActions operation requesting “Manual” process actions.



### Operation: generateReportNotification

This operation is called by MWE after it has polled the RGS and has determined that the submitted report is now complete. MWE will use the response parameters from the createofficeToIbTransaction operation which contains the RGS reportJobId and transaction id. MTS will retrieve the now completed report and store this in the international attachments table.

#### Sample Request



### Operation: updateConsoleTask

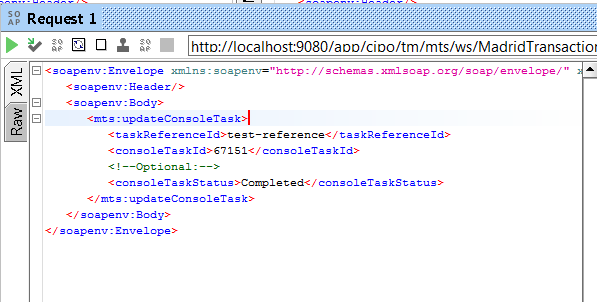
This operation will be used by the MWE for two purposes.

1. Associating the console task created in the international database with the Activiti user task id.
2. Updating the status of the console task to be in sync with the Activiti task.

#### Operation Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Operations:** | updateConsoleTask | | | | |
| **Description:** | Use case reference  TM - IDED - Workflow - Bill C-31 Main-Madrid Workflow Engine | | | | |
| **Complexity:** | Low | | | | |
| **Parameter Name** | | **Description** | **Data type** | **Size** | **Mandatory?** |
| taskReferenceId | | The activiti user task id. | String | -- | Y |
| consoleTaskId | | The international database INTL-IR-TASK primary key value. | Integer |  | Y |
| consoleTaskStatus | | The status to be applied to the INTL-IR-TASK. | Enumeration – Allowed values.  Completed  Unprocessed  If not supplied, only the task reference id will be applied. |  | N |
| **Response** | | | | | |
| void | | If there is an error, a fault will occur. |  | -- |  |
| ServiceFault | | Describes the return and reason code for the type of failure. Includes the Service name and also the English and French explanations | CIPOServiceFault  - returnCode  - reasonCode  - serviceName  - enErrorMsg  - frErrorMsg  **HTTP Response: 500-level** | -- | N |
| **Resource Item: MMS** | | | **Minimum Privilege Level Required: Read / Write** | | |

##### Sample Request



### Operation: storeAirToExaminationSubmissionInfo

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Operation:** StoreAirToExaminationSubmissionInfo | | | | |
| **Description:** Store the basic reference information related to an AIR (Application of International Registration) submission request to examination module. | | | | |
| **Parameter Name** | **Description** | **Data type** | **Size** | **Mandatory?** |
| wipoRefNumber | The transaction WIPO Reference Number. | String | -- | Y |
| irNumber | The international registration number. | String | -- | N |
| barNumberList | The basic application numbers attached to this application | List of ApplicationNumber (fileNumber,extensionCounter) | -- | Y |
| **Response** | | | | |
| None |  |  | -- |  |
| **Fault (In case of failure only)** | | | | |
| serviceFault | Describe the return and reason code for type of failure. Includes the Service name and also the English and French explanation of the failure. | CIPOServiceFault      - returnCode      - reasonCode      - serviceName      - enErrorMsg      - frErrorMsg | **--** | N |
| **Resource Item:  None** | | **Minimum Privilege Level Required: None** | | |

MTS will needs to store the input information of the AIR request into Trademarks (Intrepid) database.    Basically, the following tables should be filled up with the following values (to be validated in yellow):

The WIPO Reference Number and IR Number must be added to MADRID\_APPLICATIONS.  The IA Number will be always null.  The Status code is always set to pending (1).

|  |  |
| --- | --- |
| **MADRID\_APPLICATIONS** | |
| **COLUMN** | **VALUE** |
| WIPO\_REFERENCE\_NUMBER | wipoRefNumber |
| IA\_NUMBER | Null |
| IR\_NUMBER | irNumber |
| STATUS\_CODE | 1 |

The basic application registration number needs to be added into MADRID\_APPLICATION\_XREF.

|  |  |
| --- | --- |
| **MADRID\_APPLICATIONS\_XREF** | |
| **COLUMN** | **VALUE** |
| FILE\_NUMBER | barNumber.fileNumber |
| EXTENSION\_COUNTER | barNumber.extentionCounter |
| WIPO\_REFERENCE\_NUMBER | wipoRefNumber |

The action code named “Created” needs to be added into MADRID\_APPLICATION\_ACTIONS.

|  |  |
| --- | --- |
| **MADRID\_APPLICATION\_ACTIONS** | |
| **COLUMN** | **VALUE** |
| WIPO\_REFERENCE\_NUMBER | wipoRefNumber |
| ACTION\_CODE | 1 |
| ACTION\_DATE | CURRENT DATE |
| AUTHORITY\_ID | TBD |
| ADDITIONAL\_INFO | TBD |

### Operation: processGoodsAndServicesChanges

#### Sequence Diagram

This operation is used by several workflows that share the updating of goods and service data in common. It will update goods and services in INTREPID or create an OfficeToIB message with the changed G&S based the message type (in this diagram, exemplified by the [XXX] in the generic method processGSChangesFor[XXX]()). To consolidate the common aspects of this operation, this sequence diagram shows the process as an abstract concept.



Figure 10: Sequence diagram: processGoodsAndServicesChanges

MWE = Madrid Workflow Engine (workflow delegates are the calling agents)   
DAO = Data Access Objects (representing the DAO layer)   
IDB = INTREPID database  
IMDB = International Message Database

#### Operation Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Operation:** | **processGoodsAndServicesChanges** | | | | |
| **Description:** | This operation is s catch-all for several manual process flows that involve changes to the goods and services of one or more marks, domestic or international. The flows that would use this service are:   * SUC\_2.7.2 Process Cancellation – Partial (D/O) * SUC\_2.6.2 Process Ceasing of Effect – Partial (D/O) * SUC\_2.14 Process NA-NR Ceasing of Effect – Partial (O/O) * SUC\_2.11 Process Goods & Services Limitation (D/O) | | | | |
| **Complexity:** | Medium | | | | |
| **Parameter Name** | | **Description** | **Data type** | **Size** | **Mandatory?** |
| GoodsAndServicesMeta | | Object to hold the collection of G&S to be updated | GoodsAndServicesMeta objects that will include:   * A collection of adjust goods and services (model TBD) (M) * User selection type (accept all/accept adjustments/accept No Effect) * IR Number (numeric) * Domestic file number (numeric) * Process type (a series of code values referring to the list of flows in the description) * Task/Transaction Id * Boolean ensure Total Cancellation | -- | Y |
| **Response** | | | | | |
| -- | | HTTP status to denote operation was successful | **HTTP Response: 200-level** | -- | Y |
| ServiceFault | | Describes the return and reason code for the type of failure. Includes the Service name and also the English and French explanations | CIPOServiceFault  - returnCode  - reasonCode  - serviceName  - enErrorMsg  - frErrorMsg  **HTTP Response: 500-level** | -- | N |
| **Resource Item: MMS** | | | **Minimum Privilege Level Required: Read / Write** | | |

Table 14: Operation Summary for processGoodsAndServicesChanges

#### Process IR Cancellation-Partial

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Transaction Type | Office Type | Manual / Auto | MF Form | | Mapping Document | |
| Madrid Cancellation | D/O | Manual | | N/A | |  | |

Implementation based on:

* SUC 2.7.2 Process IR Cancellation Partial v0.2.docx

Case 1: User accepts all Good/Services or from the WIPO Message OR accepts with adjustment with adjust Good/Services

1. Delete the current Goods/Service from INTREPID

Delete records from WARES\_SERVICES table where FILE\_NUMBER is domestic file number.

Delete records from WARES\_SERVICES\_TEXT table where FILE\_NUMBER is domestic file number.

1. Insert record(s) in WARES\_SERVICES table based WIPO/adjust good services list.

Insert record(s) in WARES\_SERVICES\_TEXTS table based adjust good services list.

Wares-Services Table (Goods and Services)

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| WS\_TYPE | NUMBER(1,0) | No | If ClassNumber between 1 and 34 then ‘1’=goods  If ClassNumber between 35 and 45 then ‘2’=service |
| WS\_NUMBER | NUMBER(3,0) | No | Sequence starting at 1 incremented for each G&S  Note the sequence WS\_Number starts at 1 for Goods and again at 1 for Services. |
| NICE\_CLASS\_CODE | NUMBER(2,0) | Yes | <tmk:ClassNumber> from ClassDescriptionBag |
| NICE\_EDITION | NUMBER(2,0) | Yes | Set to 10 if not present .classVersion from ClassDescriptionBag |
| GI\_CATEGORY\_TYPE | NUMBER(2,0) | Yes | Null |

Wares Services Texts Table (Goods and Services Texts)

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From wares-services |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| WS\_TYPE | NUMBER(1,0) | No | From wares-services |
| WS\_NUMBER | NUMBER(3,0) | No | Wares-Services.ws\_number |
| ORIGINAL\_IND | NUMBER(1,0) | No | *BR #2* |
| MODIFIED\_TIMESTAMP | DATE | No | System Date |
| TEXT | CLOB | No | GoodsServicesDescriptionText |
| LANGUAGE | NUMBER(1,0) | No | *BR #2* |
| TRANSLATION\_STATUS | NUMBER(2,0) | Yes | Null |
| PICKLIST\_IND | NUMBER(1,0) | Yes | Null |

1. Insert record with the ACTION code in Action table.

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Pre-condition matched |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Pre-condition matched |
| ACTION\_CODE | NUMBER(3,0) | No | IF Application table Status Code is ‘Registered’  Partial Cancellation-Owner’s Request  ELSE (mark with a Pending status)  Partial Withdrawal-Owner’s Request  Need confirm with intrepid team code number |
| ACTION\_DATE | DATE | No | Set to Renewal Date from Message |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Set to NULL |
| RESPONSE\_DATE | DATE | Yes | Set to NULL |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Set to ‘DP:’ + System Date |

Case 2: User accepts Partial Cancellation with “No Effect”

1. Insert record with the ACTION code in Action table.

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Pre-condition matched |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Pre-condition matched |
| ACTION\_CODE | NUMBER(3,0) | No | Partial Cancellation Received-No Effect Request  Need confirm with intrepid team code number |
| ACTION\_DATE | DATE | No | Set to Renewal Date from Message |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Set to NULL |
| RESPONSE\_DATE | DATE | Yes | Set to NULL |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Set to ‘DP:’ + System Date |

Case 3: User accepts Partial Cancellation with adjustment result no Good/Services left and user ensure the Partial Cancellation become total Cancelation

1. Refer Process IR Cancellation Total v0.1.docx
2. Create a new task at INTL\_IR\_TASK table which send message back to WIPO with the following message

Create MadridCancellationType message

Set OfficeReferenceIdentifier to message Id

Set InternationalRegistrationNumber to InternationalRegistrationNumber from WIPO

Set setAllGoodsServicesIndicator to true

1. Update current task Status to “Closed-Processed”

#### Process IR Ceasing of Effect-Partial (D/O)

Implementation based on:

* SUC 2.6.2 Process IR Ceasing of Effect Partial (DO) v0.2.docx

Case 1: User accepts all Good/Services or from the WIPO Message OR accepts with adjustment with adjust Good/Services list >0

1. Delete the current Goods/Service from INTREPID

Delete records from WARES\_SERVICES table where FILE\_NUMBER is domestic file number.

Delete records from WARES\_SERVICES\_TEXT table where FILE\_NUMBER is domestic file number.

1. Insert record(s) in WARES\_SERVICES table based WIPO/adjust good services list.

Insert record(s) in WARES\_SERVICES\_TEXTS table based adjust good services list.

Wares-Services Table (Goods and Services)

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| WS\_TYPE | NUMBER(1,0) | No | If ClassNumber between 1 and 34 then ‘1’=goods  If ClassNumber between 35 and 45 then ‘2’=service |
| WS\_NUMBER | NUMBER(3,0) | No | Sequence starting at 1 incremented for each G&S  Note the sequence WS\_Number starts at 1 for Goods and again at 1 for Services. |
| NICE\_CLASS\_CODE | NUMBER(2,0) | Yes | <tmk:ClassNumber> from ClassDescriptionBag |
| NICE\_EDITION | NUMBER(2,0) | Yes | Set to 10 if not present .classVersion from ClassDescriptionBag |
| GI\_CATEGORY\_TYPE | NUMBER(2,0) | Yes | Null |

Wares Services Texts Table (Goods and Services Texts)

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From wares-services |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| WS\_TYPE | NUMBER(1,0) | No | From wares-services |
| WS\_NUMBER | NUMBER(3,0) | No | Wares-Services.ws\_number |
| ORIGINAL\_IND | NUMBER(1,0) | No | *BR #2* |
| MODIFIED\_TIMESTAMP | DATE | No | System Date |
| TEXT | CLOB | No | GoodsServicesDescriptionText |
| LANGUAGE | NUMBER(1,0) | No | *BR #2* |
| TRANSLATION\_STATUS | NUMBER(2,0) | Yes | Null |
| PICKLIST\_IND | NUMBER(1,0) | Yes | Null |

Insert record with the ACTION code in Action table.

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Pre-condition matched |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Pre-condition matched |
| ACTION\_CODE | NUMBER(3,0) | No | IF Application table Status Code is ‘Registered’  Partial Cancellation-Owner’s Request  ELSE (mark with a Pending status)  Partial Withdrawal-Owner’s Request  Need confirm with intrepid team code number |
| ACTION\_DATE | DATE | No | Set to Renewal Date from Message |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Set to NULL |
| RESPONSE\_DATE | DATE | Yes | Set to NULL |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Set to ‘DP:’ + System Date |

Case 2: User accepts Partial Cancellation with “No Effect”

Insert record with the ACTION code in Action table.

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Pre-condition matched |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Pre-condition matched |
| ACTION\_CODE | NUMBER(3,0) | No | Partial Ceasing of Effect Received-No Effect Request  Need confirm with intrepid team code number |
| ACTION\_DATE | DATE | No | Set to Renewal Date from Message |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Set to NULL |
| RESPONSE\_DATE | DATE | Yes | Set to NULL |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Set to ‘DP:’ + System Date |

Case 3: User accepts Partial Ceasing Effect with adjustment result no Good/Services left and user agree

Implementation based on SUC 2.6.1 Process IR Ceasing of Effect Total v0.2.docx

#### Process IR G&S Limitation

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Transaction Type | Office Type | Manual / Auto | MF Form | | Mapping Document | |
| Madrid Limitation No Effect | D/O | Manual | | MF13 | |  | |

Implementation based on:

* SUC 2.11 Process IR G&S Limitation v0.3.docx

Case 1: User accepts all Good/Services or from the WIPO Message OR accepts with adjustment with adjust Good/Services list >0 THEN

1. Delete the current Goods/Service from INTREPID

Delete records from WARES\_SERVICES table where FILE\_NUMBER is domestic file number.

Delete records from WARES\_SERVICES\_TEXT table where FILE\_NUMBER is domestic file number.

1. Insert record(s) in WARES\_SERVICES table based WIPO/adjust good services list.

Insert record(s) in WARES\_SERVICES\_TEXTS table based adjust good services list.

Wares-Services Table (Goods and Services)

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| WS\_TYPE | NUMBER(1,0) | No | If ClassNumber between 1 and 34 then ‘1’=goods  If ClassNumber between 35 and 45 then ‘2’=service |
| WS\_NUMBER | NUMBER(3,0) | No | Sequence starting at 1 incremented for each G&S  Note the sequence WS\_Number starts at 1 for Goods and again at 1 for Services. |
| NICE\_CLASS\_CODE | NUMBER(2,0) | Yes | <tmk:ClassNumber> from ClassDescriptionBag |
| NICE\_EDITION | NUMBER(2,0) | Yes | Set to 10 if not present .classVersion from ClassDescriptionBag |
| GI\_CATEGORY\_TYPE | NUMBER(2,0) | Yes | Null |

Wares Services Texts Table (Goods and Services Texts)

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From wares-services |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| WS\_TYPE | NUMBER(1,0) | No | From wares-services |
| WS\_NUMBER | NUMBER(3,0) | No | Wares-Services.ws\_number |
| ORIGINAL\_IND | NUMBER(1,0) | No | *BR #2* |
| MODIFIED\_TIMESTAMP | DATE | No | System Date |
| TEXT | CLOB | No | GoodsServicesDescriptionText |
| LANGUAGE | NUMBER(1,0) | No | *BR #2* |
| TRANSLATION\_STATUS | NUMBER(2,0) | Yes | Null |
| PICKLIST\_IND | NUMBER(1,0) | Yes | Null |

1. Insert record with the ACTION code in Action table.

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Pre-condition matched |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Pre-condition matched |
| ACTION\_CODE | NUMBER(3,0) | No | If user accept all from WIPO Total Goods/Services Limitation  If user accept with adjustment  Partial Goods/Services Limitation  Need confirm with intrepid team code number |
| ACTION\_DATE | DATE | No | Set to Renewal Date from Message |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Set to NULL |
| RESPONSE\_DATE | DATE | Yes | Set to NULL |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Set to ‘DP:’ + System Date |

1. If user accepts with adjustment with adjust Good/Services.

Notify the owner(s) add record in the following Process\_Action table.

Process\_Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | From wares-services |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| PROCESS\_TYPE | NUMBER(1,0) | No | 1 TBD |
| PROCESS\_CODE | NUMBER(3,0) | No | If Application.Status is ‘Registered’  Registration Pages(83)  Else  Client Proff Sheet(93) |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | *User Id* |
| ADDITIONAL\_INFO | DATE | Yes | Null |
| ALTERNATE\_MAIL\_TO | VARCHAR2(2000 BYTE | Yes | Null |
| PP\_CASE\_NUMBER | NUMBER(3,0) | Yes | Null |
| TRANSLATION\_STATUS | NUMBER(2,0) | Yes | Null |
| PICKLIST\_IND | NUMBER(1,0) | Yes | Null |

Send notifies IB of Partial Limitation

Create a new task at INTL\_IR\_TASK table which send message back to WIPO

Create MadridGoodsServicesLimitationRequestType message

Set OfficeReferenceIdentifier to message Id

Set InternationalRegistrationNumber to InternationalRegistrationNumber from WIPO

1. Set Task table status to Closed-Processed

User refuses Limitation with ‘No Effect’.

1. Insert record with the ACTION code in Action table.

Actions Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Pre-condition matched |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | Pre-condition matched |
| ACTION\_CODE | NUMBER(3,0) | No | Limitation-No Effect  Need confirm with intrepid team code number |
| ACTION\_DATE | DATE | No | Set to Renewal Date from Message |
| AUTHORITY\_ID | VARCHAR2(30 BYTE) | No | Set to ‘MADRID SECTION’ To be confirmed by TMB |
| PERFORMED\_BY\_AUTHORITY\_ID | VARCHAR2(30 BYTE) | Yes | Set to NULL |
| RESPONSE\_DATE | DATE | Yes | Set to NULL |
| ADDITIONAL\_INFO | VARCHAR2(240 BYTE) | Yes | Set to ‘DP:’ + System Date |

1. Create task send message back to WIPO

Create MadridLimitationNoEffectType message

Set OfficeReferenceIdentifier to message Id

Set InternationalRegistrationNumber to InternationalRegistrationNumber from WIPO

1. Create new task at INTL\_IR\_TASK table which send message back to WIPO with message step 2 created.
2. Set current Task table status to Closed-Processed

#### Process NA-NR Ceasing of Effect Partial

Implementation based on:

* SUC 2.14 Process NA-NR Ceasing of Effect Partial (OO) v0.3.docx

### Operation: processIrregularityDO

#### Sequence Diagram

This operation can have three different outcomes depending on what action is chosen by the console user. The first option is to have the original message body corrected via INREPID and re-sent back to WIPO. The second option is to formulate an irregularity response message back to WIPO with comments from the user. And the third option is to make note of the irregularity internally but send nothing back to WIPO.



Figure 11: Sequence diagram: processIrregularityDO

MWE = Madrid Workflow Engine (workflow delegates are the calling agents)   
DAO = Data Access Objects (representing the DAO layer)   
IDB = INTREPID database  
IMDB = International Message Database

#### Operation Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Operation:** | **processIrregularityDO** | | | | |
| **Description:** | This operation is specifically for processing the Process Irregularity (D/O) process flow. This flow does not involve changes to G&S but rather applying irregularity changes (or not) to INTREPID data and/or response text, if applicable. | | | | |
| **Complexity:** | Medium | | | | |
| **Parameter Name** | | **Description** | **Data type** | **Size** | **Mandatory?** |
| IrregularityResponseData | | Object to hold the action type and/or text for an irregularity response | Will contain the following:   * Action Type (INFORMAL, IRREGULARITY, CORRECTED) (M) * Response Text (String) * Message ID (numeric) | -- | Y |
| **Response** | | | | | |
| -- | | HTTP status to denote operation was successful | **HTTP Response: 200-level** | -- | Y |
| ServiceFault | | Describes the return and reason code for the type of failure. Includes the Service name and also the English and French explanations | CIPOServiceFault  - returnCode  - reasonCode  - serviceName  - enErrorMsg  - frErrorMsg  **HTTP Response: 500-level** | -- | N |
| **Resource Item: MMS** | | | **Minimum Privilege Level Required: Read / Write** | | |

Table 15: Operation Summary for processIrregularityDO

### Operation getTaskById

#### Sequence Diagram



MWE = Madrid Workflow Engine (workflow delegates are the calling agents)   
DAO = Data Access Objects (representing the DAO layer)   
IDB = INTREPID database  
IMDB = International Message Database

#### Operation Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Operation:** | **getTaskById** | | | | |
| **Description:** | This operation is specifically for get the detail task information by task id. When user click action link of any manual task on the dashboard, Madrid console need get task detail information such as task category, xml content of WIPO Madrid transaction message, reference application number etc. | | | | |
| **Complexity:** | Medium | | | | |
| **Parameter Name** | | **Description** | **Data type** | **Size** | **Mandatory?** |
| GetTaskByIdRequest | | Object to hold the search criteria for the message tasks | GetTaskByIdRequest datatype contains   * task ID (numeric) | -- | Y |
| **Response** | | | | | |
| getTaskByIdResponse | | A collection of detail message for the specific task( transaction) | A objects that will include:   * application/IR Number * fileNumber/Record Identifier Number (numeric) * taskDescription(string) * officeType * bringFowardDate * messages(message to display on the dashboard) * assigned User Id * status * action * xmlContent (The xml MadridTranaction Message from WIPO which used in most manual case) * intrepidFileNumber Domestic file number which link to the IR number (numeric) * intrepidExtensionCounter Domestic file extension number which link to the IR number (numeric) | -- | Y |
| ServiceFault | | Describes the return and reason code for the type of failure. Includes the Service name and also the English and French explanations | CIPOServiceFault  - returnCode  - reasonCode  - serviceName  - enErrorMsg  - frErrorMsg  **HTTP Response: 500-level** | -- | N |
| **Resource Item: MMS** | | | **Minimum Privilege Level Required: Read / Write** | | |

When MTS received getTaskById request

1. Search INTL\_IR\_TRAN table based on IR\_TRAN\_ID and extract InternationalRegistrationNumber and RecordIdentifier from INTL\_IR\_TRAN.XML\_CONTENT

2. Get the assigned user id and assigned user group from the user group management system (from INTL\_ASSIGN\_TASKUSER, INTL\_ASSIGN\_TASKGROUP table)

3. Search intrepid APPLICATION table, find application which have IR\_NUMBER= InternationalRegistrationNumber AND INTL\_FILING\_RECORD\_ID = RecordIdentifier , THEN SET intrepidFileNumber= APPLICATION. FILE\_NUMBER, intrepidExtensionCounter= EXTENSION\_COUNTER

Applications Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Mapping** |
| FILE\_NUMBER | NUMBER(7,0) | No | Generated |
| EXTENSION\_COUNTER | NUMBER(2,0) | No | 0 |
| IR\_NUMBER | VARCHAR2(10 BYTE) | Yes | Set to com:InternationalRegistrationNumber |
| INTL\_FILING\_RECORD\_ID | VARCHAR2(50 BYTE) | Yes | Set to com:RecordIdentifier |
|  |  |  |  |

# Deployment

## GIT Project Structure

In order to manage code changes and ongoing maintenance, the source files for the Madrid Transaction Service will be stored in a GIT repository. Concurrent development and automatic change merging are supported giving the greatest flexibility. Following CIPO standards for naming web project, the following structure will be used:

* **madrid-message-service-app** - this project defines the Enterprise Application Archive (EAR) file for use in deployment to WebSphere server. This file will contain the WAR file below.
* **madrid-message-service-ws** - this project contains the Java source files, third party JAR libraries, core classes which will be compiled and contained in the Web Application Archive (WAR) of the web service.
* **madrid-message-service-client** – To make usage of common CIPO web services easier in applications and by other services, a client project which produces a JAR file should be created.

## Application Build

The MTS application will be built and packaged into a deployable, standard J2EE EAR using a Maven script. Building and packaging with Maven should be used for preparing a build for promotion up the deployment stack which is:

Development 🡪 Integration 🡪 System Acceptance Testing 🡪 User Acceptance Testing 🡪 Production

The Maven scripts will automatically compile the source, generate a version file, package the WAR and EAR, tag the CVS code used in the build, and copy the EAR to the Nexus repository.

## Environment Configuration

In order to configure the MTS web services, all common CIPO web services must have an external properties file conventionally named “<componentAcronym>-<serviceAcronym>.properties”. Common CIPO web services will all inherit base, common configuration settings found in the file /cipo/config/webservice-common.properties. Although CIPO web services may not have specific custom configuration settings, their external properties file should at least define the Log4J settings for a system log file to be located (by convention) in /cipo/logs.

This configuration file will not be packaged within the deployed EAR (Enterprise Archive). Instead, the location of the configuration file will be included as an extension library setting of the WebSphere server – by convention /cipo/config. This will allow the system administrator to change the configuration (logging level, logging location, etc.) without having to re-package and re-deploy the service.

To ensure maximum up-time the web service configuration file will be hot loadable. That is to say when the web service is running any changes made to its configuration settings will be applied without requiring an application restart.

## Application/Web Services Deployment

In the Production environment the web application will be deployed on two load-balanced AIX mid-range servers. The dispatcher will be configured to redirect incoming HTTP messages from internal CIPO consumer application to one of the running instances.

In the event of a critical failure of a server instance, the remaining server will handle all incoming requests. In some cases the load balancer may be able to detect non-responsiveness of a server and automatically cease sending it messages.

By convention the external directory structure for CIPO web services and applications is:

/cipo/config/<componentAcronym>-<serviceAcronym>.properties

/cipo/logs/<componentAcronym>-<serviceAcronym>.log

See configuration setting in Appendix A.

# Appendix A - Common Web Service Configuration Settings

####################################################

# Web Service Common Configuration Properties

####################################################

# Base location of temp files

ws.common.temp.folder=/cipo\_cache/temp/

# Generic RACF credentials for the environment

# to use when no specific end-user is involved

# Note: Standard CIPO services should define these keys such as:

# <componentAcr>.<serviceAcr>.generic.user = <value>

# <componentAcr>.<serviceAcr>.generic.password = <value>

ws.common.generic.user.id=<value>

ws.common.generic.user.password=<value>

# This key stores the host name of the balancer where

# CIPO web services can be accessed for a specific environment

ws.common.services.host.name=dev.ccs.ic.gc.ca

####################################################

# LOG4J logging properties

####################################################

## LOGGERS ##

# Root Logger (default where not specified)

log4j.rootLogger=TRACE,stdout

## APPENDERS ##

log4j.appender.stdout=org.apache.log4j.ConsoleAppender

log4j.appender.stdout.layout=org.apache.log4j.PatternLayout

log4j.appender.stdout.layout.ConversionPattern=%p [%t] [%c] - %m%n

# This appender may be used in the future

# Email any ERROR or FATAL messages to a recipient

#log4j.appender.logEmail=org.apache.log4j.net.SMTPAppender

#log4j.appender.logEmail.Threshold=ERROR

#log4j.appender.logEmail.BufferSize=1

#log4j.appender.logEmail.To=<value>@ic.gc.ca

#log4j.appender.logEmail.From= <value>@ic.gc.ca

#log4j.appender.logEmail.SMTPHost=smtp-server.ic.gc.ca

#log4j.appender.logEmail.Subject=Error in Login Service

#log4j.appender.logEmail.layout=org.apache.log4j.PatternLayout

#log4j.appender.logEmail.layout.ConversionPattern=%d %p [%t] [%c] - %m%n