

Electronic Mortgage Management Web Service Specification Document

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**Document Control**

**Revision History**

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**Approvals**

This document requires the approval of:

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| **Name** | **Title** | **Signature** | **Date** |
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# **Introduction**

Electronic Mortgage Management Service is used to {Cancel Release/ Confirm Release / Release} of Mortgage and Mortgage NOC.

This document describes Electronic Mortgage Management web service functional specifications which include the service endpoint, operations, input operation parameters, operation response and applications errors.

# **Functional specifications**

Traffic Courses Web Service will be deployed on E-Traffic system.

|  |  |
| --- | --- |
| **Service name** | ElectronicMortgageManagementService |
| **Service Description** | Electronic Mortgage Management Service is used to {Cancel Release/ Confirm Release / Release}: Mortgage and Mortgage NOC. |
| **End Point** | http://localhost:7101/traffic/ws/resources/soap/ElectronicMortgageManagementService |
| **WSDL** | http://localhost:7101/traffic/ws/resources/soap/ElectronicMortgageManagementService?wsdl |

# **Service Operations**

This section describes Electronic Mortgage Web Service operations, input operation parameters, operation response and applications errors.

## WSDL File



## Electronic Mortgage Management Service Operations:

* cancelMortgageNOCOperation
* cancelReleaseMortgageOperation
* confirmMortgageNOCOperation
* confirmReleaseMortgageOperation
* addMortgageNOCOperation
* releaseMortgageOperation

## Notes and issues:

* Access to this web service is limited to the authorized clients, the web service clients has to authenticate themselves to the service provider, which lead to preventing unauthorized clients from calling the service.

## Electronic Mortgage Service

## Cancel Mortgage NOC Operation

This method is used to update NOC for mortgage to cancel.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| trafficId | Long | 8 | Yes | Customer traffic file Id |
| chassisNo | Long | 8 | No | Chassis No |
| centerId | Long | 15 | No | Center Id |
| sessionId | String | 128 | No | Session Id |
| channelId | Long | 15 | No | Channel Id |
| userId | Long | 15 | Yes | User Id |
| agentName | String | 128 | Yes | Agent Name |
| agentSharedEmail | String | 100 | Yes | Agent Shared Email |
| customerEmail | String | 128 | No | Customer Email |
| customerMobile | String | 15 | Yes | Customer Mobile |
| isPreson | Boolean | 1 | No | Determine Customer |

### Sample SOAP Request



### Sample SOAP Response



## Cancel Release Mortgage Operation

This method is used to cancel the release mortgage operation.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| trafficId | Long | 8 | Yes | Customer traffic file Id |
| chassisNo | Long | 8 | No | Chassis No |
| centerId | Long | 15 | No | Center Id |
| sessionId | String | 128 | No | Session Id |
| channelId | Long | 15 | No | Channel Id |
| userId | Long | 15 | Yes | User Id |
| agentName | String | 128 | Yes | Agent Name |
| agentSharedEmail | String | 100 | Yes | Agent Shared Email |
| customerEmail | String | 128 | No | Customer Email |
| customerMobile | String | 15 | Yes | Customer Mobile |
| isPerson | Boolean | 1 | No | Determine if the Customer is a person |

### Sample SOAP Request



### Sample SOAP Response



## Confirm Mortgage NOC Operation

This method is used to confirm NOC mortgage.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| trafficId | Long | 8 | Yes | Customer traffic file Id |
| chassisNo | Long | 8 | No | Chassis No |
| centerId | Long | 15 | No | Center Id |
| sessionId | String | 128 | No | Session Id |
| channelId | Long | 15 | No | Channel Id |
| userId | Long | 15 | Yes | User Id |
| agentName | String | 128 | Yes | Agent Name |
| agentSharedEmail | String | 100 | Yes | Agent Shared Email |
| customerEmail | String | 128 | No | Customer Email |
| customerMobile | String | 15 | Yes | Customer Mobile |
| isPerson | Boolean | 1 | No | True is not organization |

### Sample SOAP Request



### Sample SOAP Response



## Confirm Release Mortgage Operation

This method is used to confirm releasing of the mortgage.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| trafficId | Long | 8 | Yes | Customer traffic file Id |
| chassisNo | String | 8 | No | Chassis No |
| centerId | Long | 15 | No | Center Id |
| sessionId | String | 128 | No | Session Id |
| channelId | Long | 15 | No | Channel Id |
| userId | Long | 15 | Yes | User Id |
| agentName | String | 128 | Yes | Agent Name |
| agentSharedEmail | String | 100 | Yes | Agent Shared Email |
| customerEmail | String | 128 | No | Customer Email |
| customerMobile | String | 15 | Yes | Customer Mobile |
| isPerson | Boolean | 1 | No | Determine if the customer is a person |

### Sample SOAP Request



### Sample SOAP Response



## Add Mortgage NOC Operation

This method for used to add NOC mortgage.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| trafficId | Long | 8 | No | Customer traffic file Id |
| organizationId | Long | 15 | No | Organization Id |
| bookletId | Long | 15 | No | Booklet Id |
| chassisNo | String | 240 | No | Chassis Number |
| nocMortgageRefNo | String | 64 | No | NOC Mortgage reference number |
| serviceType | Simple Type | N/A | No | Service Type :  (Tourism Certificate = 1,  Transfer to Emirate Certificate = 2) |
| centerId | Long | 15 | No | Login Center Id |
| sessionId | String | 128 | No | Session Id |
| channelId | Long | 15 | No | Channel Id |
| userId | Long | 15 | Yes | User Id |
| agentName | String | 128 | Yes | Agent Name |
| agentSharedEmail | String | 100 | Yes | Agent Shared Email |
| customerEmail | String | 128 | No | Customer Email |
| customerMobile | String | 15 | Yes | Customer Mobile |
| isPerson | Boolean | 1 | No | True if the customer is a Person |

### Sample SOAP Request



### Sample SOAP Response



## Release Mortgage Operation

This method is used to release mortgage.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| trafficId | Long | 8 | No | Customer traffic file Id |
| organizationId | Long | 15 | No | Organization Id |
| bookletId | Long | 15 | No | Booklet Id |
| chassisNo | String | 240 | No | Chassis Number |
| mortgageRefNo | String | 64 | No | Mortgage reference number |
| centerId | long | 15 | No | Login Center Id |
| sessionId | String | 128 | No | Session Id |
| channelId | Long | 15 | No | Channel Id |
| userId | Long | 15 | Yes | User Id |
| agentName | String | 128 | Yes | Agent Name |
| agentSharedEmail | String | 100 | Yes | Agent Shared Email |
| customerEmail | String | 128 | No | Customer Email |
| customerMobile | String | 15 | Yes | Customer Mobile |
| isPerson | Boolean | 1 | No | True if customer is a person |

### Sample SOAP Request



### Sample SOAP Response



## Fault Response:

## Error Response Type

### Cancel / Confirm Release Mortgage

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| status | String | N/A | No | It has two values SUCCESS or FAILED |
| errorCode | String | N/A | Yes | Returned in-case of failure scenario |
| errorMessageAr | String | N/A | Yes | Returned in-case of failure scenario and it contains the fault Arabic message |
| errorMessageEn | String | N/A | Yes | Returned in-case of failure scenario and it contains the fault English message |
| warningMessage | String | N/A | Yes | Returned in-case of success but with notification |

### Release Mortgage

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| status | String | N/A | No | It has two values SUCCESS or FAILED |
| errorCode | String | N/A | Yes | Returned in-case of failure scenario |
| errorMessageAr | String | N/A | Yes | Returned in-case of failure scenario and it contains the fault Arabic message |
| errorMessageEn | String | N/A | Yes | Returned in-case of failure scenario and it contains the fault English message |
| electronicMortgageId | String | N/A | Yes | Return the electronic mortgage Id in case of Success (Only valid for release mortgage operation) |
| electronicNOCForMortgageId | String | N/A | Yes | Return electronic NOC for mortgage Id in case of Success (Only valid for release NOC mortgage operation) |

### Operation Faults

|  |  |  |
| --- | --- | --- |
| **Message** | **Description** | **Code** |
| Node nodeName doesn't exists | In case the client didn’t provided node | 999 |
| Request attachments count is # While attachmentsCount attribute is# | Will be fired in case the client provided a value in the attachmentsCount attribute that doesn’t matsh with attachments provided on the SOAP body | 999 |
| NULL Electronic Mortgage Release Value Object | Mortgage release info required | 999 |
| NULL Chassis No | Chassis number is required | 999 |
| NULL Reference No | Reference number is required | 999 |
| NULL Traffic File Id | Traffic file id is required | 999 |
| NULL Booklet Id | Booklet id is required | 999 |
| NULL Organization Id | Organization id is required | 999 |
| There is no booklet for this Id | Invalid booklet id | 999 |
| Cannot find a mortgage with this reference number for this vehicle | لم يتم إيجاد رهن للمركبة بهذا المرجع | BR\_EMG001\_MER |
| This user doesn't have the authority to release a mortgage | المستخدم ليس لديه الصلاحية لفك الرهن | BR\_EMG002\_MER |
| The user trying to release the mortgage is not the mortgagee | المستخدم ليس الجهة الراهنة | BR\_EMG003\_MER |
| The vehicle’s mortgage release has already been posted to RTA | تم تحميل فك رهن هذه المركبة لهيئة الطرق و المواصلات | BR\_EMG004\_MER |
| This vehicle is not mortgaged | المركبة غير مرهونة | BR\_EMG006\_MER |
| “You must enter Customer Email Address, Example x@y.z” | Customer Email Address must be the following format : (x@y.z) | BR\_EMG010\_MER |
| “Customer mobile number must be 7 digits” | Customer mobile number must be UAE Format and 7 digits only. | BR\_EMG011\_MER |
| “The email address must be of the following format x@y.z” | Approver email address must follow the following format x@y.z. | BR\_EMG012\_MER |
| Other exceptions | Other exceptions | 999 |