

Workflow Management Web Service

Specification Document

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**Document Control**

**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Revised By** | **Revision**  **Date** | **Version**  **Number** | **Summary of Changes** | **Sections Affected** |
| Muath Albasheer | 30/04/2018 | 1.0 | First draft |  |
| Muath Albasheer | 19/11-2018 | 1.01 | Second draft | 1. Rename createRequestOperation to addRequestOperation  2. Remove approveRequestOperation |

**Approvals**

This document requires the approval of:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Title** | **Signature** | **Date** |
| Waseem Zawaideh | Technical Team Leader |  | 30/04/2018 |

Table of Contents

[**Introduction** 3](#_Toc530580515)

[**Functional specifications** 4](#_Toc530580516)

[**Service Operations** 4](#_Toc530580517)

[WSDL File 5](#_Toc530580518)

[Workflow Management Service Operations: 5](#_Toc530580519)

[Notes and issues: 5](#_Toc530580520)

[Workflow Management Service 6](#_Toc530580521)

[1. Claim Request Operation 6](#_Toc530580522)

[Operation Parameters 6](#_Toc530580523)

[Sample SOAP Request: 6](#_Toc530580524)

[Sample SOAP Response: 6](#_Toc530580525)

[2. Add Request Operation 7](#_Toc530580526)

[Operation Parameters 7](#_Toc530580527)

[Sample SOAP Request: 7](#_Toc530580528)

[Sample SOAP Response: 7](#_Toc530580529)

[3. Move Request Operation 8](#_Toc530580530)

[Operation Parameters 8](#_Toc530580531)

[Sample SOAP Request: 8](#_Toc530580532)

[Sample SOAP Response: 8](#_Toc530580533)

[4. Un Claim Request Operation 9](#_Toc530580534)

[Operation Parameters 9](#_Toc530580535)

[Sample SOAP Request: 9](#_Toc530580536)

[Sample SOAP Response: 9](#_Toc530580537)

[Fault Responses 10](#_Toc530580538)

[i. Create Procedure Operation Result and Faults Error Response Type 10](#_Toc530580539)

[ Create Result Type 10](#_Toc530580540)

[ Operation Faults 10](#_Toc530580541)

[ii. Other Operations Result and Faults Error Response Type 10](#_Toc530580542)

[ Operation Faults 11](#_Toc530580543)

# **Introduction**

Workflow Management Service is used for EPS Services (claim, unClaim and create).

This document describes Workflow Management Web Service functional specifications which include the service endpoint, operations, input operation parameters, operation response and applications errors.

# **Functional specifications**

Workflow Management Web Service will be deployed on E-Traffic system.

|  |  |
| --- | --- |
| **Service name** | WorkflowManagementService |
| **Service description** | WorkflowManagementService |
| **End Point** | http://localhost:7101/traffic/ws/resources/soap/WorkflowManagementService |
| **WSDL** | http://localhost:7101/traffic/ws/resources/soap/WorkflowManagementService?wsdl |

# **Service Operations**

This section describes Workflow Management Web Service operations, input operation parameters, operation response and applications errors.

WSDL File

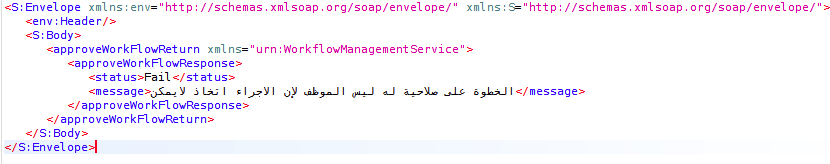


Workflow Management Service Operations:

1. **claimRequestOperation**
2. **addRequestOperation**
3. **moveRequestOperation**
4. **unClaimRequestOperation**

## 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.



## Workflow Management Service

## Claim Request Operation

This method is used to lock the procedure workflow by certain user in E-Traffic System.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User |
| transactionId | Long | 15 | No | Transaction Id |
| userId | Long | 15 | No | User Id |

### Sample SOAP Request:



### Sample SOAP Response:



## Add Request Operation

This method is used to add workflow procedure in E-Traffic System.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User |
| Template Id | Long | 15 | No | Template Id |
| User Id | Long | 15 | No | User Id |
| Attachment Ref No | Long | 15 | No | Attachment Ref Number |
| Service Id | Long | 15 | Yes | Service Id |
| Center Id | Long | 15 | No | Center Id |
| Field | Complex Type | N/A | No | Procedure Field Type |
| Counter | Complex Type | N/A | No | Counters No Type |
| Working Hour | Complex Type | N/A | No | Working Hours Type |
| Code | Integer | 3 | No | Code |
| Value | String | 1024 | No | Value |
| Counter Id | Long | 15 | No | Counter Id |
| Number | String | 30 | No | Number |
| Working Hour Id | Long | 15 | No | Working Hour Id |
| Working Hour From | String | 64 | No | Working Hour From |
| Working Hour To | String | 64 | No | Working Hour To |

### Sample SOAP Request:



### Sample SOAP Response:



## Move Request Operation

This method is used to move the workflow to the next step (approve, reject) in E-Traffic System.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User |
| transactionId | long | 15 | No | Transaction Id |
| serviceCode | integer | 3 | No | Service Code |
| approvalStatus | integer | 1 | No | Approval Status |
| stepCode | integer | 15 | No | Step Code |
| userName | string | 30 | No | User Name |
| notes | string | 1024 | No | Notes |

### Sample SOAP Request:



### Sample SOAP Response:



## Un Claim Request Operation

This method is used to unlock workflow procedure in E-Traffic System.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User |
| transactionId | Long | 15 | No | Transaction Id |
| userId | Long | 15 | No | User Id |

### Sample SOAP Request:



### Sample SOAP Response:



## Fault Responses

## Create Procedure Operation Result and Faults Error Response Type

### Create Result Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| Status | String | 64 | No | Status Success Or Failure |
| Error Response | String | 128 | Yes | Error Response |
| Procedure Id | String | 30 | Yes | Procedure Id |

### Operation Faults

|  |  |
| --- | --- |
| **Message** | **Description** |
| Invalid User Id | When User Id Is Null |
| Invalid Template Code | When Template Code Is Null |
|  |  |

## Other Operations Result and Faults Error Response Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| status | String | N/A | Yes | Response Status |
| message | String | N/A | Yes | Response Message |

### Operation Faults

|  |  |
| --- | --- |
| **Message** | **Description** |
| NULL Transaction value Object. | Appear When Transaction Value Object is null. |
| NULL Delivery Center. | Appear When Delivery Center info is null. |
| NULL User value object. | Appear When user info is null. |
| Invalid Step Code. | Appear When active step is null or sequence number not equal  Step code. |
| Invalid Approval Status. | Appear when Approval Status is null or (Approval Status not equal  APPROVED which value 1 and Approval Status  Not equal REJECTED which value 2) |