# Telework Service Providers Evaluations

Integration Guide

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## Version History

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| 23/10/2014 | 0.1 | I. AshShohail | First Draft |
| | | | |

## Reviewers

| Name | Title | Signature | Date |
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# Table of Contents

# 1. Introduction

This document will outline the web services required from Teleworking Providers to obtain the teleworkers' evaluations. It will describe the requested services and their functionalities and required responses.

## 1.1. Audience

This document is presented to teleworking service providers to integration the service providers' systems with the Telework system developed by Tamkeen Technologies for Takamol.

# 2. Web Services

Below is a description of the requested web services.

## 2.1. Get Teleworkers Evaluations

This service will take a period of time and return information related to the evaluations of teleworkers at this providers in the provided period.

### 2.1.1. Input

The request period is composed of two fields, the PeriodStart and PeriodEnd. The PeriodEnd is inclusive.

| Field | Type | Description |
|---|---|---|
| PeriodStart | Date | Request Period Start Date |
| PeriodEnd | Date | Request Period End Date |

### 2.1.2. Output

It returns a collection of teleworkers in the requested period. Each teleworker should have the following data.

| Field | Type | Description |
|---|---|---|
| EstLaborOfficeId | Integer (32-bit) | Labor Office Id of the Establishment employing the teleworker |
| EstSequenceNumber | Integer (32-bit) | Sequence Number of the Establishment employing the teleworker |
| IdNumber | Integer (64-bit) | National ID number of the teleworker |
| ActivityLevel | Decimal | The results of the activity level calculation for this teleworker |
| LoginCount | Integer (32-bit) | Count of logins of teleworker |
| LogoutCount | Integer (32-bit) | Count of logouts of teleworker |
| AssignedTasks | Integer (32-bit) | Count of tasks assigned to teleworker |
| CompletedTasks | Integer (32-bit) | Count of tasks completed by teleworker |
| TotalWorkTime | Integer (32-bit) | Total work time in minutes |

### 2.1.3. Business Rules

| # | Business Rule | Description |
|---|---|---|
| 1 | PeriodStart is a valid Gregorian date. | The input PeriodStart must be a valid Gregorian date in the following format: dd/mm/yyyy. E.g. 22/10/2014 |
| 2 | PeriodEnd is a valid Gregorian date. | The input PeriodEnd must be a valid Gregorian date in the following format: dd/mm/yyyy. E.g. 22/10/2014 |

| 3 | PeriodStart must be a date before the current date. | The input PeriodStart must be a date before the current date. |
|---|---|---|
| 4 | PeriodEnd must me less than or equal the current date. | The input PeriodEnd must me less than or equal the current date. |
| 5 | EstLaborOfficeId must be a valid Labor Office Id. | The output EstLaborOfficeId must be an integer between 1 and 38. |
| 6 | EstSequenceNumber must be a valid Sequence Number. | The output EstSequenceNumber must be an integer larger than 0 and less than 2,147,483,648 |
| 7 | EstLaborOfficeId and EstSequenceNumber must represent an establishment. | The output EstLaborOfficeId and EstSequenceNumber must be a valid combination for an existing establishment in MOL. |
| 8 | IdNumber must be a valid National ID number | The output IdNumber must be a valid Saudi National ID number |
| 9 | The IdNumber must belong to a teleworker who is working for the establishment with the EstLaborOfficeId and EstSequenceNumber | The output IdNumber must belong to a teleworker who is/was working for the establishment with the output EstLaborOfficeId and EstSequenceNumber in the input period |
| 10 | ActivityLevel must be a valid percentage | The output LoginCount must be an decimal with two digits after the point and must be between 0.00 and 100.00 |
| 11 | LoginCount must be a valid count | The output LoginCount must be an integer between 0 and 2,147,483,647 |
| 12 | LogoutCount must be a valid count | The output LogoutCount must be an integer between 0 and 2,147,483,647 |
| 13 | LogoutCount must be less than or equal the LoginCount | The output LogoutCount must be less than or equal the output LoginCount. |
| 14 | AssignedTasks must be a valid count | The output AssignedTasks must be an integer between 0 and 2,147,483,647 |
| 15 | CompletedTasks must be a valid count | The output CompletedTasks must be an integer between 0 and 2,147,483,647 |
| 16 | CompletedTasks must be less than or equal the AssignedTasks | The output CompletedTasks must be less than or equal the output AssignedTasks. |
| 17 | TotalWorkTime must be a valid count | The output TotalWorkTime must be an integer between 0 and 2,147,483,647 |
| 18 | TotalWorkTime must be in minutes | The output TotalWorkTime must be the number of minutes the teleworker worked. |
| 19 | PeriodStart is inclusive | The returned evaluations must include the evaluations on the input PeriodStart |

| 20 | PeriodEnd is exclusive | The returned evaluation must exclude the evaluations on the input PeriodEnd |

### 2.1.4.    Samples

Both samples don't include SOAP headers. These are to be determined later.

Sample Request

```
<s:Envelope xmlns:s="http://schemeas.xmlsoap.org/soap/envelope/">
  <s:Header />
  <s:Body>
    <GetTeleworkersEvaluations xmlns="http://servive-provider.com.sa/xml">
      <PeriodStart>01/10/2014</PeriodStart>
      <PeriodEnd>31/10/2014</PeriodEnd>
    </GetTeleworkersEvaluations>
  </s:Body>
</ s:Envelope>
```

Sample Response

```
<s:Envelope xmlns:s="http://schemeas.xmlsoap.org/soap/envelope/">
  <s:Header />
  <s:Body>
    <GetTeleworkersEvaluationsResposne xmlns="http://servive-provider.com.sa/xml">
      <Evaluations>
        <Evaluation>
          <EstLaborOfficeId>1</EstLaborOfficeId>
          <EstSequenceNumber>65468</EstSequenceNumber>
          <IdNumber>1010101010</IdNumber>
          <ActivityLevel>78.44</ActivityLevel>
          <LoginCount>29</LoginCount>
          <LogoutCount>29</LogoutCount>
          <AssignedTasks>48</AssignedTasks>
          <CompletedTasks>40</CompletedTasks>
          <TotalWorkTime>8645</TotalWorkTime>
        </Evaluation>
        ...More <Evaluation> objects...
        <Evaluation>
          <EstLaborOfficeId>14</EstLaborOfficeId>
          <EstSequenceNumber>65468</EstSequenceNumber>
          <IdNumber>1212121212</IdNumber>
          <ActivityLevel>91.14</ActivityLevel>
          <LoginCount>33</LoginCount>
          <LogoutCount>33</LogoutCount>
          <AssignedTasks>52</AssignedTasks>
          <CompletedTasks>49</CompletedTasks>
          <TotalWorkTime>9145</TotalWorkTime>
        </Evaluation>
      </Evaluations>
    </GetTeleworkersEvaluationsResposne>
  </s:Body>
</s:Envelope>
```