

1 Call Waiting Activation Data Contract

1.1 Overview

This section provides information on the flow of data between the Call Waiting Activation product and the web service. The purpose of this REST-ful web service is to allow a back-end system to request call waiting activation or deactivation for a specific customer account.

The Call Waiting Activation product comes with two call flow templates:

1. Call Waiting Activation
2. Call Waiting Deactivation

The request and response details outlined below cover both templates.

1.2 Request

Requests are made using HTTP POST requests, which pass the required caller details to the web service. For the Call Waiting Activation product, the caller is identified using an Identification Module at the start of the callflow. The following parameters are then passed into the automatic query web service:

Table 1 Call Waiting Activation web service request parameters

Parameter	Description	Example Values
MSISDN	An arbitrary value retrieved by the Identification Module, to be passed to the web service to retrieve caller's account details and perform the required task.	"07718891234"

For Call Waiting Activation, a typical URL might look like this:

```
http://localhost:8080/fish-services/test/ActivateCallWaiting.jsp
```

For Call Waiting Deactivation, a typical URL might look like this:

```
http://localhost:8080/fish-services/test/DeactivateCallWaiting.jsp
```

And a typical HTTP POST body might look like this:

```
cli=02890571100&dnis=7896&sessionid=1234%2D3AAF%2D3372&MSISDN=07718891234
```

1.3 Response

The XML response specifies the overall status of the task, i.e. "success", or some other return code such as "agent", and provides a mechanism to set arbitrary variables in the call session.

When specifying variables in the response, you can cause some or all key-value pairs to be attached to the call via the CTI (where the platform supports it) by including an optional "attach" attribute with a value of "true" or to set them as the CLI data by including an optional "remember" attribute with a value of "true".

A typical XML response looks like this:

```
<callWaitingActivationResults>
  <status>success</status>
</callWaitingActivationResults>
```

A Call Waiting Activation attempt where the call waiting is not available might look like this:

```
<callWaitingActivationResults>
  <status>failure</status>
</callWaitingActivationResults>
```

A Call Waiting Activation attempt where an error occurs might look like this:

```
<callWaitingActivationResults>
  <status>error</status>
</callWaitingActivationResults>
```



HTTP response codes other than "200" will be treated as an error.

1.3.1 Statuses

The <status> element is the only mandatory element. The following statuses can be returned:

- “success” – indicates that the query was successful
- ‘failure’ – this status would indicate that requesting the task for the specific account was not possible
- ‘error’ – the application’s error handling path will be followed in the callflow
- any other status – causes the Module to return with that status.