

TPR Staging Date Api

Technical Specification

Document Control

Title	TPR Staging Date Api – Technical Specification
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Version History

Version	Date	Summary of changes
0.1		Initial draft
0.2		Single service end point. Spelling and grammar
0.3	2015/11/17	Add xml responses.
0.4	2015/11/17	Update so that PAYE does not need to be URL encoded.
0.5	2015/11/25	Update to split out the PAYE reference into two parameters – PAYE district and PAYE code.

1 Overview

This document describes the Staging Date Api. This document is aimed at developers and system integrators wishing to consume the Api services and aims to describe the inputs and outputs of the Api.

The Staging Date Api will provide an Api for external parties to lookup a Staging Date using their PAYE reference.

1.1 Security

The services will be only accessible over HTTPS using TLS 1.2. The services will use developer assigned API keys which will be sent in the http headers. The subscription will be provided by The Pensions Regulator and must be used with all requests.

Name	Description
Ocp-Apim-Subscription-Key	The API key that is provided by TPR

If an API key is not sent or is incorrect the services will return a HTTP 401 response. Below is a sample HTTP request.

1.1.1 Sample Http Request

```
GET https://api.thepensionsregulator.gov.uk/stagingdate/payereference/123/AB456 HTTP/1.1
Ocp-Apim-Subscription-Key: your-key-here
Host: api.thepensionsregulator.gov.uk
Accept-Encoding: gzip
```

1.2 Service Behaviour

1.2.1 HTTP Codes

HTTP status code will be used to return the status of the request to the calling user. Any HTTP Status code in the 200-299 range should be considered successful, any other status code should be considered a failure.

HTTP Code	Usage
401 – Unauthorized	This will be returned when the correct API is not used or is not present in the correct location
400 – Bad Request	This will be returned when an invalid request is made to the services. To resolve this make sure the services parameters are correctly being used in the correct format. Where possible the service will indicate the cause of the bad request
500 – Internal server error	This will be returned when there is an error with the services.
200 – Ok	The request was successful

1.2.1.1 Error Response

Name	Description
Message	Error message

1.2.1.1.1 Example Error Response JSON

```
{
  "message": "An error has occurred."
}
```

1.3 Response Data

The services will return JSON data in all instances. The service may not return valid JSON if the service is unavailable.

1.3.1 JSON

The JSON formatting will adhere the following rules.

- All property names will be lower camel case
- Null values will not be sent
- Collections will never be null and always sent

1.3.2 Compression

The service supports gzip compression. To receive content in a compressed format add “gzip” to the Accept-Encoding header when making the request. This is supported on all services.

2 Services

2.1 Get Staging Date by PAYE Reference

This service returns a staging date for a given PAYE reference.

If PAYE reference cannot be found then a HTTP not found response is returned.

If the PAYE reference is found but we cannot return a staging date then we will return success=false and an error message.

If the PAYE reference is found and we can return a staging date then we will return success=true and the staging date.

HTTP Verb	URI
GET	https://api.thepensionsregulator.gov.uk/stagingdate/payereference/{payeDistrict}/{payeCode}

2.1.1 URI Parameters

Name	Description	Type	Additional information
payeDistrict	The district code part of the PAYE reference	string	Max length of total PAYE reference is 20 characters. e.g. 123/AB456
payeCode	The PAYE code part of the PAYE reference	string	

2.1.2 Response

HTTP Status Code	Description
200	JSON object containing a staging date
404	PAYE not found

2.1.2.1 Response Data

Name	Description	Additional Information
success	Boolean result (true/false) indicating if staging date has been found for PAYE reference.	
stagingDate	Staging Date.	Only returned if success is true. Date format yyyy-MM-dd
errorMessage	Error Message.	Only returned if success is false.
links	Collection of Hypermedia links.	This will contain a link to the duties checker.

2.1.2.2 JSON Response

```
{
  "success": "true"
  "stagingDate": "2015-01-01"
  "links": [
    {
      "rel": "duties checker",
      "href": "http://www.thepensionsregulator.gov.uk/en/employers/duties-checker"
    }
  ]
}
```

```
{
  "success": "false"
  "errorMessage": "Unable to find staging date for PAYE"
  "links": [
    {
      "rel": "duties checker",
      "href": "http://www.thepensionsregulator.gov.uk/en/employers/duties-checker"
    }
  ]
}
```

2.1.2.3 XML Response

```
<?xml version="1.0" encoding="utf-8"?>
<StagingDateResult xmlns="http://schemas.datacontract.org/2004/07/StagingDate.Dto"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Success>true</Success>
  <StagingDate>2015-01-01</StagingDate>
  <ErrorMessage i:nil="true"/>
  <Links>
    <Link>
      <Rel>duties checker</Rel>
      <Href>http://www.thepensionsregulator.gov.uk/en/employers/duties-checker</Href>
    </Link>
  </Links>
</StagingDateResult>
```

```
<?xml version="1.0" encoding="utf-8"?>
<StagingDateResult xmlns="http://schemas.datacontract.org/2004/07/StagingDate.Dto"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Success>>false</Success>
  <StagingDate i:nil="true" />
  <ErrorMessage>Unable to find staging date for PAYE</ErrorMessage>
  <Links>
    <Link>
      <Rel>duties checker</Rel>
      <Href>http://www.thepensionsregulator.gov.uk/en/employers/duties-checker</Href>
    </Link>
  </Links>
</StagingDateResult>
```