PAYE Modernisation

Public Interface Testing
13 October 2017

Revenue
Cáin agus Custaim na hÉireann
Irish Tax and Customs

Purpose of Public Interface Testing (PIT)

- Verifies that software **conforms** to published Revenue technical documentation

- Successful execution of **conformance tests** gives confidence to all parties involved that solution is correct and robust

Revenue Preparation for PIT

Dedicated PIT Environment

- A dedicated PIT environment will be provided exclusively for PAYE Modernisation
- Will be performant to support testing of production sized volumes
- Will facilitate a more rapid turnaround of upgrades and fixes

Dedicated Online Helpdesk

- Revenue will provision an online Helpdesk to support Payroll Software Developers through the PIT process
  - Replaces current email driven PIT processes
- The Helpdesk will facilitate Payroll Software Developers
  - Registering for PIT
  - Raising and tracking ticketed queries

Detailed Conformance Test Documentation

- Will detail test scenarios supported in PIT

- Will detail corresponding test data requirements

- Will provide recommendations on adding identifiers to tests to facilitate troubleshooting

Registering for PIT

Registration Process

- PIT registration will take place via the new Online Helpdesk

- Completing the PIT registration process:
  - notifies Revenue of your intention to test
  - triggers Revenue to start provisioning your exclusive digi-cert and test data.
  - grants you access to raise ticketed queries

Registration Requirements

- Complete Online form providing the following information:
  - Company Name
  - Contact Name
  - Contact Number
  - Contact Email address
  - Create Username
  - Create Password
  - Additional Information

Notification of Registration

- On completion of registration an email will be issued to the given Contact email address notifying:
  - Confirmation of registration
  - Instructions on accessing allocated PIT Digi Cert and Test data (if required)

Testing

Four Phases of Conformance Test

1. Connectivity Testing
    - SOAP or REST (or both)
2. Basic Business Process Testing
    - Repeatable (stateless)
    - e.g. Look Up RPN, Submit Payroll
3. Complex Life Cycle Testing
    - Requires reset of test data for repeatable runs (stateful)
    - e.g. Check Payroll Run
4. Volume Testing
    - Requires live-size files and associated test data
    - e.g. Batched Payroll Submissions

Recommendation is that testing is conducted in this order

Test Data Management

- To avoid GDPR complications only dummy test data will be supported
- Appropriate Test Data will be made readily available:
  - Dummy Digi-certs
  - Dummy Employers
  - Dummy Employees

Test Data Management

- Revenue will pre-allocate a unique set of dummy test data to each registered user
- Pre-allocated test data will meet the requirements of all conformance test scenarios with the exception of Volume Testing
- Test data to support Volume testing will be made available on request
- 'Used' test data can be reset on request

Employer Testing

- PIT will not have access to copies of live data to support pre-live runs

- Revenue can set up dummy test data given an Employer number and a set of PPSNs

- Generic RPNs will be generated for the given PPSNs

Queries

- Consult online documentation first
  - Common Issues
  - Known Errors List
- If solution/answer is not available a query can be raised via the online Helpdesk.
- You will receive an acknowledgement email with a query Id for tracking purposes
- Only registered PIT users can raise queries in this manner.

Queries

- Revenue will issue a notification email on resolution of the query or if the query turns out to be a Revenue issue

- If the query turns out to be a Revenue issue the Known Errors List will be updated

Regular Communications

- Known Error Lists and solutions to common PIT issues will be published and regularly updated online.

- Timely notifications of forthcoming PIT upgrades and maintenance will be made available on Revenue.ie

- Equivalent notifications will also be emailed to registered PIT users

Timelines

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Publication of Conformance Test Docs

- End of Jan 2018

PIT Environment Available

- End of March 2018

Registration Commences

- March 2018

Employer Testing Commences

- TBC