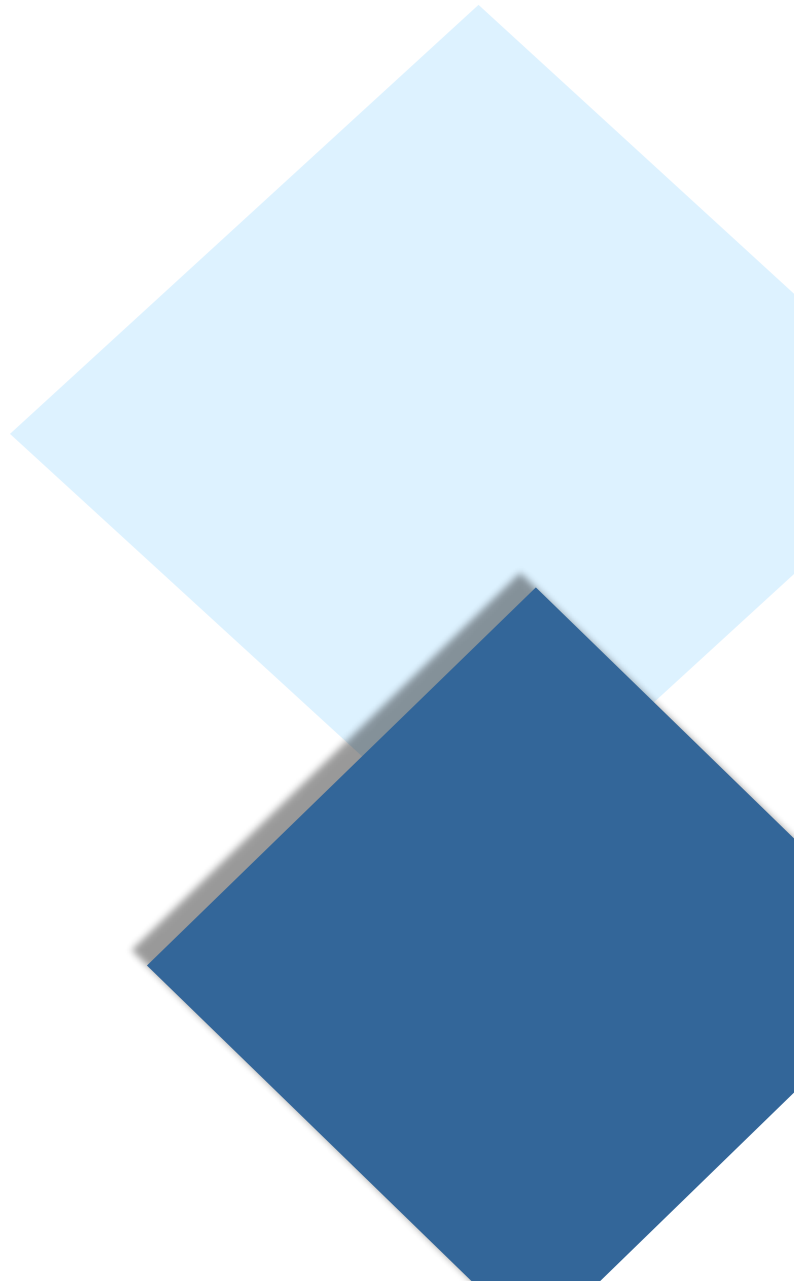




Payroll Integration Test Approach

V1.0



Confidentiality Statement

The data contained herein shall not be disclosed without any prior permission. The restriction does not limit the right to use the information contained in the data, if it is obtained from another source without restriction.

Document Distribution List Copyright

- Tata Consultancy Services
- Any person authorized by the above

Copyright © 2024 Tata Consultancy Services Limited

Tata Code of Conduct

Tata Consultancy Services Limited (TCS), in its dealings, is self-regulated by a Code of Conduct as enshrined in the "Tata Code of Conduct". TCS requests that any violation or potential violation of the Code by any person be promptly brought to the notice of the Local Ethics Counsellor or the Principal Ethics Counsellor or the MD of TCS. All communication received in this regard will be treated and kept as confidential.

Document details:

Name	Version no.	Description
Test Strategy & Approach		This document includes the details of early access testing for Payroll Integration

Revision details:

Version	Date	Affected Section(s)
V0.1	19-Mar-25	Draft

V0.2	21-Mar-25	Incorporated Feedback from Revenue
V1.0	28-Mar-25	Reviewed with DSP

Term	Description
AEPN	Automatic Enrolment Payroll Notification
AERSS	Automatic Enrolment Retirement Saving System
EXT	External Test Facility Environment
NAERSA	National Automatic Enrolment Retirement Savings Authority
PII	Personally Identifiable Information

Contents

Programme Overview	6
1. Introduction	6
1.1 Functionality available	6
2. EXT access	7
3. Recommended Testing Approach	7
3.1. Connectivity Test	8
3.2. Revenue Integration 'Handshake'	8
3.3. Contribution Submission (Limited Volume Testing)	8
3.4 Contribution File Upload – Employer Portal	8
3.5 Full Volume Testing	8
4. Test Data.....	8
4.1 Test Data Type	8
4.2 Test Data Setup.....	9
4.2.2 Limited Volume Testing	9
4.2.2 Full Volume Testing.....	9
4.3 Test Flow.....	10
5. Support.....	10

Programme Overview

Automatic Enrolment Retirement Savings System (AERSS), brand name My Future Fund, is the new quasi-mandatory retirement savings scheme in Ireland. Under this scheme, eligible employees will be identified by NAERSA and be automatically enrolled. AEPNs will be made available to payroll software and within a portal so that contributions due to My Future Fund can be calculated. Employers, Employees, and the State contribute to AERSS, and the participants can access their savings at State Pension age.

The Ministerial Department responsible for this scheme is the Department of Social Protection. The scheme will be administered by the National Automatic Enrolment Retirement Savings Authority (NAERSA).

1. Introduction

NAERSA/TCS has created an External Test Facility Environment (EXT1) that will be available to enable software developers test that their products work with My Future Fund web services and ensure the successful integration of payroll software prior to release to customers.

1.1 Functionality available

A second test environment, (EXT2) will also be made available. The EXTs will replicate functionality in the live environment, allowing payroll developers to develop and test integration of their products with My Future Fund web services. Developers can help recreate, investigate and resolve issues in the safety of a test environment.

The development of the My Future Fund platform is ongoing. Functionality related to payroll integration has been delivered as a priority to allow payroll developers to start their development and testing as early as possible.

This means we will be releasing test capabilities in two phases:

1. Payroll Integration Testing with limited volume
 - a. Testing will be available in the EXT1 environment
 - b. File sizes will be limited to 100 records and batches of 10 records may be created (10 x 10) for those who wish to test this feature
2. Payroll Integration Testing with full volume
 - a. Testing will be available in the EXT2 environment
 - b. Full volume files are permitted

Full volume testing will be carried out in a production level environment after internal testing, including performance testing has been completed by the program team.

2. EXT access

You can request access to the EXT test facilities by completing the onboarding form [here](#) and emailing to NAERSA Tech Support <naersa.support@tcs.com>.

Having requested access to EXT, you will receive an acknowledgement email, which is sent to the contact email address you provided.

Once your request has been processed you will receive an email confirming that access has been granted to the EXT environment and to the support portal to submit tickets to log issues or request support.

Access to the EXT test facility is governed by the EXT terms of use (NEARSA T&Cs to be added before distribution). On accessing the environment, you will be deemed to have accepted these terms of use.

3. Recommended Testing Approach

1. Connectivity Test
2. Revenue Integration 'Handshake'
3. Contribution Submission (Limited Volume Testing)
4. Portal – Contribution File Upload
5. Full Volume Testing

3.1. Connectivity Test

Allow payroll developers to confirm connectivity to the NAERSA EXT environment. The test is a simple “Hello World” test and will confirm that the environment is available and accessible via a https link or browser to the end user. The incoming request is not authenticated or validated.

3.2. Revenue Integration ‘Handshake’

The “Handshake” test will use an API to validate Revenue authentication on an incoming payroll software request.

3.3. Contribution Submission (Limited Volume Testing)

This is the test for Payroll Providers to confirm GET AEPN (fetch) instructions can be pulled down, payroll run, and the submission of a Contribution File for submission to NAERSA.

3.4 Contribution File Upload – Employer Portal

Employer Portal functionality will be available to test the download of AEPNS and subsequent upload of Contribution Files. A one-page guide will be made available prior to testing.

3.5 Full Volume Testing

This is the test phase for Payroll Providers to confirm GET AEPN (fetch) instructions can be pulled down, payroll run, and the submission of a Contribution File to NAERSA. Full volume data files can be used for this testing.

4. Test Data

4.1 Test Data Type

Test Approach	Data Type
Connectivity Test	Synthetic
Revenue Integration ‘Handshake’ API	Synthetic
Contribution Submission	Synthetic
Employer Portal – Upload Contribution File	Synthetic

Full Volume Testing	Anonymised/Synthetic
---------------------	----------------------

4.2 Test Data Setup

Synthetic/annonymised data only is permitted in the EXT environment. No PII data must be used.

Revenue has provided access to their Payroll Integration Test facility – Public Integration Test Next Version to facilitate testing of My Future Fund. Employer and Agent certificates can be created using this test facility to ensure testing replicates the digital certification functionality to be used in production.

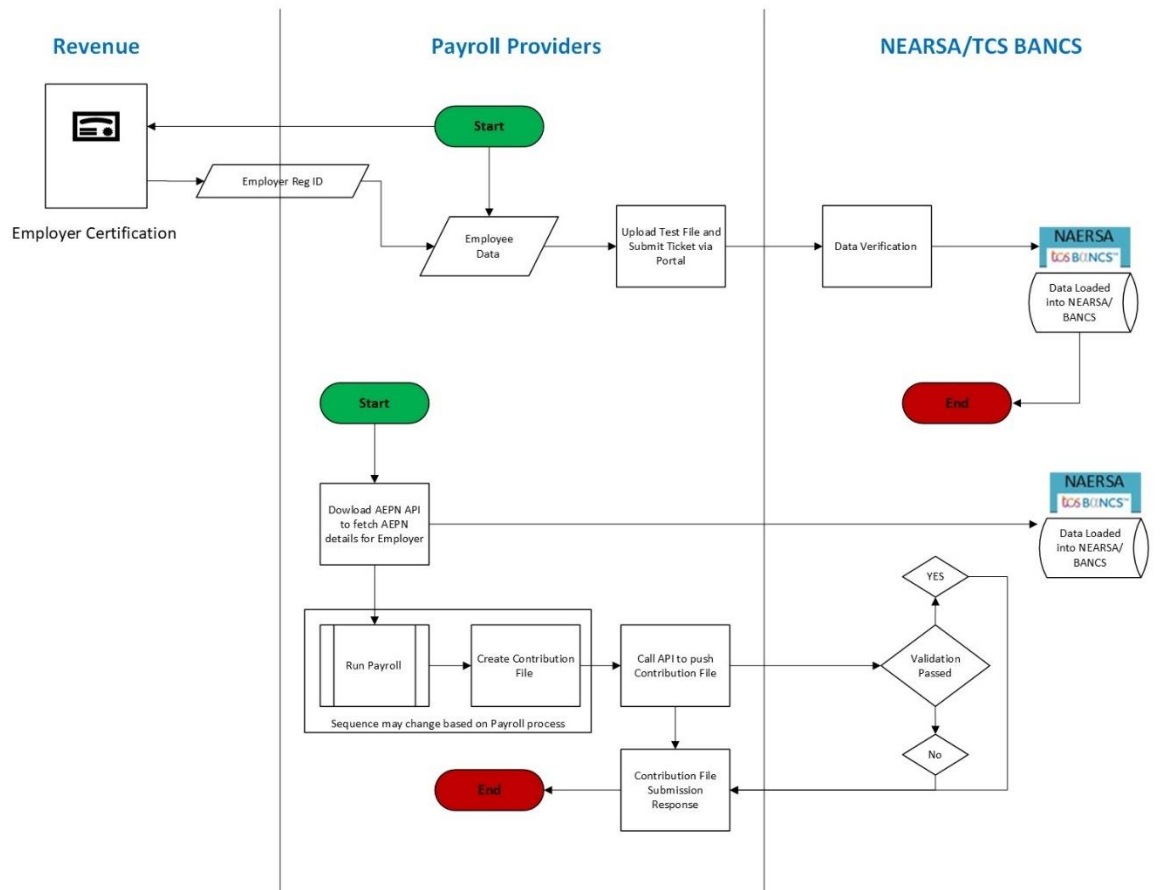
4.2.2 Limited Volume Testing

1. ROS Certificate is issued from the Revenue Public Integration Next Version environment
2. Payroll developers will use the same Employer Reg Id to create test data. A test data file template has been provided to capture the required data (Max 100 employees).
3. Payroll developers will open a ticket in the support portal, upload the test data file and submit it to TCS/NAERSA.
4. The data provided will be loaded into the TCS/NAERSA test environment to create an Employer Footprint and underlying Employee details.
5. Payroll developers can use the getAEPNDetails API to fetch the test employee details.
6. If testing the upload of a Contribution File via the Employer Portal, developers will be able to use the employer Reg Id to login to the portal by clicking view AEPN details.

4.2.2 Full Volume Testing

1. Payroll developers will be able to use test data currently used with Revenue Public Integration Next Version environment for their testing.
2. Payroll developers can use the getAEPNDetails API to fetch the test employee details.
3. If testing the upload of a Contribution File via the Employer Portal, developers will be able to use the employer Reg Id to login to the portal by clicking view AEPN details.

4.3 Test Flow



5. Support

If an issue is encountered during testing that requires TCS/NAERSA attention, payroll developers will be given access to a Support Portal where they can log a ticket. This system will be monitored so that issues can be triaged and routed to the correct area for resolution.

Any activities such as planned downtime or significant faults will be visible on the launch page of the portal.

Weekly workshop sessions have been scheduled through to September and can be utilized to discuss or resolve issues or challenges arising from testing.