

YA 2025 Validation Test Guide



INLAND REVENUE
AUTHORITY
OF SINGAPORE

This guide is designed for:

- (1) AIS payroll software vendors supporting YA 2025 submissions on API Marketplace
- (2) AIS payroll software vendors supporting YA 2025 submissions on APEX
- (3) AIS employers/ payroll service providers making YA 2025 submissions on API Marketplace
- (4) AIS employers/ payroll service providers onboarding APEX for YA 2025 submissions

Please navigate to the section relevant to your role(s). For example:

- If you are a payroll software vendor supporting the AIS-API on both API Marketplace and APEX, you should refer to both sections 1 and 2;
- If you are an AIS employer/ payroll service provider who will integrate the AIS-API on both API Marketplace and APEX, you should refer to both sections 3 and 4.

(1) For AIS payroll software vendors supporting YA 2025 submissions on API Marketplace

To qualify as an AIS Payroll Software Vendor for YA 2025, your payroll software must be able to integrate directly with IRAS' server to submit employment income information via the "Submission of Employment Income Records (Corppass)" API.

This section is meant for vendors whose payroll software supports the API submission mode, to conduct a self-verification exercise of your payroll software in API Marketplace's Sandbox.

Please refer to the **5 steps** below to commence your testing.

Step 1: Identify your test scenario

Refer to the following tables to identify your test scenario based on the combination of form type(s) which your software supports. E.g. if your software supports the IR8A and IR8S, then you are only required to test based on Scenario 2.

For vendors having multiple products, test based on the scenario with the most form type(s) your software can support.

Scenario No.	Combination of form type(s)
1	IR8A
2	IR8A and IR8S
3	IR8A and A8A
4	IR8A and A8B

Scenario No.	Combination of form type(s)
5	IR8A, IR8S and A8A
6	IR8A, IR8S and A8B
7	IR8A, A8A and A8B
8	IR8A, IR8S, A8A and A8B

Step 2: Verify test data [Set A] generated based on identified test scenario

For each supporting file format (TXT and/ or XML), generate test data containing the **same values*** as specified in the identified test scenario (downloadable from [IRAS website](#)).

** The values in the test scenarios are fictitious and are solely meant for the purpose of the Validation Test. These values are **NOT** to be used as reference for any computation purposes (e.g. CPF computation).*

Use a comparison tool (e.g. <https://onlinetextcompare.com/json>) to compare the test data generated from your payroll software with the expected .json output files (attached in each scenario).

Step 3: Generate random test data [Set B]

Generate another set of test data for each supporting file format, containing **random data** from your system. The generated test data should consist of:

- 20 IR8A records, and 5 records for each supporting form type(s) depending on the form type(s) your payroll software supports,
- Fictitious employee data and income information (with valid ID no.), and
- Preferably a mixture of the [classes of employees](#).

E.g. test files for Scenario 7 should have 20 records of IR8A, 5 records of A8A and 5 records of A8B.

Step 4: Validate and submit test data in Sandbox

You are required to provide IRAS with both sets of test data. Submit the test data for Set A and Set B in **different API calls** in Sandbox.

Please use the following credentials to make the API calls:

1. Data preparation for the API calls
Organisation ID Type: **UEN-Local Co (8)**
Organisation ID No: **180011032C**
2. Singpass login credentials
Singpass ID: **S9991257Z**
Password: **Spcp1111**

Record the submission reference number(s) e.g. [ES2401102024IR8A1234567890](#) that will be returned within the API response after every successful submission in Sandbox.

As the test scenarios are for basis year 2024, you may ignore the following warning message during the validation by making use of the "bypass" field in your HTTP request - "You are submitting file(s) for income derived in year 2024."

Note:

For production, please build your system to set "bypass = false" by default and allow your users to have the option to switch to "true" after acknowledging the warning messages returned (if any).

Step 5: Complete Self-Verification Form

Submit the Self-Verification Form (hyperlink provided in our email). Please provide the submission reference numbers in the appropriate fields in the Self-Verification Form. This information is necessary for us to retrieve your submissions from our server.

You are strongly encouraged to complete this step **by 8 Nov 2024**. Note that incomplete forms will not be accepted.

IRAS will conduct random checks on your submitted test data to verify that your validation test results meet the expected test outcome. We will contact you if we require any clarifications on your submitted form or test data. IRAS reserves the rights to not publish your company's information until you have cleared the validation testing.

(2) For AIS payroll software vendors supporting YA 2025 submissions on APEX

To qualify as an AIS Payroll Software Vendor for YA 2025, your payroll software must be able to integrate directly with IRAS' server to submit employment income information via the "Submission of Employment Income Records (Corppass)" API.

This section is meant for vendors whose payroll software supports the API submission mode, to conduct a self-verification exercise of your payroll software in APEX's Sandbox.

Please refer to the **7 steps** below to commence your testing.

Step 1: Onboarding to APEX and subscribe to the sandbox AIS-API (proceed to Step 2 if you have already done so)

Refer to Section 2 of the [AIS-API \(APEX\) specifications](#) for further details on onboarding to APEX.

Thereafter, subscribe to the sandbox AIS-API. The subscription approval turnaround time is 10 working days. We will notify you once you can commence sandbox testing.

Step 2: Identify your test scenario

Refer to the following tables to identify your test scenario based on the combination of form type(s) which your software supports. E.g. if your software supports the IR8A and IR8S, then you are only required to test based on Scenario 2.

For vendors having multiple products, test based on the scenario with the most form type(s) your software can support.

Scenario No.	Combination of form type(s)
1	IR8A
2	IR8A and IR8S
3	IR8A and A8A
4	IR8A and A8B

Scenario No.	Combination of form type(s)
5	IR8A, IR8S and A8A
6	IR8A, IR8S and A8B
7	IR8A, A8A and A8B
8	IR8A, IR8S, A8A and A8B

Step 3: Verify test data [Set A] generated based on identified test scenario

For each supporting file format (TXT and/ or XML), generate test data containing the **same values*** as specified in the identified test scenario (downloadable from [IRAS website](#)).

** The values in the test scenarios are fictitious and are solely meant for the purpose of the Validation Test. These values are **NOT** to be used as reference for any computation purposes (e.g. CPF computation).*

Use a comparison tool (e.g. <https://onlinetextcompare.com/json>) to compare the test data generated from your payroll software with the expected .json output files (attached in each scenario).

Step 4: Generate random test data [Set B]

Generate another set of test data for each supporting file format, containing **random data** from your system. The generated test data should consist of:

- 20 IR8A records, and 5 records for each supporting form type(s) depending on the form type(s) your payroll software supports,
- Fictitious employee data and income information (with valid ID no.), and
- Preferably a mixture of the [classes of employees](#).

E.g. test files for Scenario 7 should have 20 records of IR8A, 5 records of A8A and 5 records of A8B.

Step 5: Validate and submit test data in Sandbox

You are required to provide IRAS with both sets of test data. Submit the test data for Set A and Set B in **different API calls** in Sandbox.

Please use the following credentials to make the API calls:

3. Data preparation for the API calls
Organisation ID Type: **UEN-Local Co (8)**
Organisation ID No: **180011032C**

4. Singpass login credentials
Singpass ID: **S9991257Z**
Password: **Spcp1111**

Record the submission reference number(s) e.g. [ES2401102024IR8A1234567890](#) that will be returned within the API response after every successful submission in Sandbox.

As the test scenarios are for basis year 2024, you may ignore the following warning message during the validation by making use of the “bypass” field in your HTTP request - “You are submitting file(s) for income derived in year 2024.”

Note:

For production, please build your system to set “bypass = false” by default and allow your users to have the option to switch to “true” after acknowledging the warning messages returned (if any).

Step 6: Complete Self-Verification Form

Submit the Self-Verification Form (hyperlink provided in our email). Please provide the submission reference numbers in the appropriate fields in the Self-Verification Form. This information is necessary for us to retrieve your submissions from our server.

You are strongly encouraged to complete this step **by 8 Nov 2024**. Note that incomplete forms will not be accepted.

IRAS will conduct random checks on your submitted test data to verify that your validation test results meet the expected test outcome. We will contact you if we require any clarifications on your submitted form or test data. IRAS reserves the rights to not publish your company’s information until you have cleared the validation testing.

Step 7: Subscribe to the production AIS-API

Once your validation test is deemed completed by IRAS, we will notify you to subscribe to production AIS-API. As the subscription approval turnaround time is 10 working days, please target to complete this step **by 15 Nov 2024** so that you can complete your onboarding to production by 30 Nov 2024.

We will notify you once your onboarding is complete.

(3) For AIS employers/ payroll service providers making YA 2025 submissions on API Marketplace

This section is meant for AIS employers or payroll service providers continuing YA 2025 submissions on API Marketplace.

Please note that it is **optional** for you to conduct a validation test in preparation for YA 2025 submissions. However, if you wish to conduct an internal testing, you may do so by submitting test data in the Sandbox Environment using the following credentials:

1. Data preparation for the API calls
Organisation ID Type: **UEN-Local Co (8)**
Organisation ID No: **180011032C**
2. Singpass login credentials
Singpass ID: **S9991257Z**
Password: **Spcp1111**

If your test data is for basis year 2024, you may ignore the following warning message during the validation by making use of the "bypass" field in your HTTP request - "You are submitting file(s) for income derived in year 2024."

Verify that you have made a successful call to the AIS-API service by checking that the returned JSON response object contain the following fields and values:

- Must be "statusCode": "200", and
- Must have value at output e.g. "output": "ES24DDMM24IR8ANNNNNNNNNN|ROC ENTITY
1|180011032C|2025|O|DDMMYYHHMM|SXXXX257Z|20",

You **do not need to** email us the submission reference number(s) for our verification.

Note:

For production, please build your system to set "bypass = false" by default and allow your users to have the option to switch to "true" after acknowledging the warning messages returned (if any).

(4) For AIS employers/ payroll service providers onboarding APEX for YA 2025 submissions

This section is meant for AIS employers or payroll service providers onboarding APEX for YA 2025 submissions.

Please refer to the **5 steps** below to commence your testing.

Step 1: Onboarding to APEX and subscribe to the sandbox AIS-API (proceed to Step 2 if you have already done so)

Refer to Section 2 of the [AIS-API \(APEX\) specifications](#) for further details on onboarding to APEX.

Thereafter, subscribe to the sandbox AIS-API. The subscription approval turnaround time is 10 working days. We will notify you once you can commence sandbox testing.

Step 2: Generate random test data

Submit a set of random test data* for each form type(s) which your software supports. The generated test data should consist of:

- 20 IR8A records, and 5 records for each supporting form type(s) depending on the form type(s) your payroll software supports,
- Fictitious employee data and income information (with valid ID no.), and
- Preferably a mixture of the [classes of employees](#).

E.g. if your payroll software caters for IR8A, A8A and A8B, then your test data should have 20 records of IR8A, 5 records of A8A and 5 records of A8B.

Step 3: Validate and submit test data in Sandbox

Submit the test data in Sandbox using the following credentials to make the API call:

3. Data preparation for the API calls
Organisation ID Type: **UEN-Local Co (8)**
Organisation ID No: **180011032C**
4. Singpass login credentials
Singpass ID: **S9991257Z**
Password: **Spcp1111**

Record the submission reference number(s) e.g. [ES2401102024IR8A1234567890](#) that will be returned within the API response after every successful submission in Sandbox.

As the test scenarios are for basis year 2024, you may ignore the following warning message during the validation by making use of the "bypass" field in your HTTP request - "You are submitting file(s) for income derived in year 2024."

Note:

For production, please build your system to set "bypass = false" by default and allow your users to have the option to switch to "true" after acknowledging the warning messages returned (if any).

Step 4: Inform IRAS on your completion of the sandbox testing

Reply to IRAS' email (data_mgmt@iras.gov.sg) with the following information:

1. The submission reference number(s) of your submitted test data, and
2. Do you intend to continue enabling submissions through the API Marketplace, in parallel with APEX.

Note that if you only plan to enable submissions through APEX, then we will revoke your API Marketplace subscription in end-Dec 2024.

You are strongly encouraged to complete this step **by 8 Nov 2024**.

IRAS will conduct random checks on your submitted test data to verify that your validation test results meet the expected test outcome. We will contact you if we require any clarifications on your submitted form or test data.

Step 5: Subscribe to the production AIS-API

Once your validation test is deemed completed by IRAS, we will notify you to subscribe to production AIS-API.

As the subscription approval turnaround time is 10 working days, please target to complete this step **by 15 Nov 2024** so that you can complete your onboarding to production by 30 Nov 2024.

We will notify you once your onboarding is complete.

The information provided is intended for better general understanding and is not intended to comprehensively address all possible issues that may arise. The contents are correct as at 3 Oct 2024 and are provided on an "as is" basis without warranties of any kind. IRAS shall not be liable for any damages, expenses, costs or loss of any kind however caused as a result of, or in connection with your use of this document.

While every effort has been made to ensure that the above information is consistent with existing policies and practice, should there be any changes, IRAS reserves the right to vary our position accordingly.