# ASCA test procedure

## Test procedure version history

v1.1 – July 21, 2021

**Note: this must be updated if test procedure is changed or reference test results change, for example due to a bug fix or if some new output is added to ASCA.**

## How to run tests

Run this Python script: **\Gift\Tools\ASCA\main\_tests.py**

Input parameters for this script are as follows (ordered):

1. Input test folder. This should always be the following folder:

[\\cayyc-proj01\compute02\FPL\_DATA\test\_data\ASCA\all\_tests\](file:///\\cayyc-proj01\compute02\FPL_DATA\test_data\ASCA\all_tests\)

1. Output folder with tests results. We should always use [\\cayyc-proj01\compute02\FPL\_DATA\test\_results\ASCA\](file:///\\cayyc-proj01\compute02\FPL_DATA\test_results\ASCA\) and add a folder name for the release version. For example:

[\\cayyc-proj01\compute02\FPL\_DATA\test\_results\ASCA\release\_1.1.0\](file:///\\cayyc-proj01\compute02\FPL_DATA\test_results\ASCA\release_1.1.0\)

## Tests description

### General tests

These tests include several venues which all have all the proper input data for ASCA.

For each test there is a corresponding reference output in this folder (Windows):

[\\cayyc-proj01\compute02\FPL\_DATA\test\_data\ASCA\reference\_results\_windows\](file:///\\cayyc-proj01\compute02\FPL_DATA\test_data\ASCA\reference_results\)

Or for Linux:

[\\cayyc-proj01\compute02\FPL\_DATA\test\_data\ASCA\reference\_results\_linux\](file:///\\cayyc-proj01\compute02\FPL_DATA\test_data\ASCA\reference_results_linux\)

|  |  |  |
| --- | --- | --- |
| Test name | Test description | Expected results |
| Test\_1.1\_Bridgestone | Bridgestone venue, floor 1, MFP+WFP | Test output must match reference output |
| Test\_1.2\_Bridgestone\_Hikone | Bridgestone Hikone venue, floor 1, MFP+WFP | Test output must match reference output |
| Test\_1.3\_Docomo\_Multifloor | Docomo YRP venue, floors 1 and 2, MFP+WFP | Test output must match reference output |
| Test\_1.4\_ICA | ICA venue, floor 4, MFP+WFP+BFP | Test output must match reference output |
| Test\_1.5\_ISJ | ISJ venue, floors 1, 2, 3 and 4, MFP+WFP exist for all floors, BFP on floor 4 only | Test output must match reference output |
| Test\_1.6\_TDK\_HQ\_Nihonbashi | TDK HQ Nihonbashi venue, floors 9, 26, 27, 28, MFP+WFP | Test output must match reference output |

**Note:** if test script provides output like that: **”ASCA fails at test: <test\_name>”**, then an exception happened during this test and this must be fixed.

### Special cases tests

These tests are performed for ISJ venue, each test has some empty or missing files.

For each test there is a corresponding reference output in this folder:

[\\cayyc-proj01\compute02\FPL\_DATA\test\_data\ASCA\reference\_results\](file:///\\cayyc-proj01\compute02\FPL_DATA\test_data\ASCA\reference_results\)

|  |  |  |
| --- | --- | --- |
| Test name | Test description | Expected results |
| Test\_2.1\_ISJ\_no\_wifi | ISJ venue, floors 1, 2, 3 and 4, MFP for all floors, BFP on floor 4 only, WFP file is absent | Test output must match reference output |
| Test\_2.2\_ISJ\_empty\_wifi | ISJ venue, floors 1, 2, 3 and 4, MFP exists for all floors, BFP on floor 4 only, WFP file is empty | Test output must match reference output |
| Test\_2.3\_ISJ\_no\_mfp | ISJ venue, floors 1, 2, 3 and 4, WFP exists for all floors, BFP on floor 4 only, MFP file is absent | Test output must match reference output |
| Test\_2.4\_ISJ\_empty\_mfp | ISJ venue, floors 1, 2, 3 and 4, WFP exists for all floors, BFP on floor 4 only, MFP file is empty | Test output must match reference output |
| Test\_2.5\_ISJ\_no\_bfp | ISJ venue, floors 1, 2, 3 and 4, WFP exists for all floors, BFP file is absent | Test output must match reference output |
| Test\_2.6\_ISJ\_empty\_bfp | ISJ venue, floors 1, 2, 3 and 4, WFP exists for all floors, BFP file is empty | Test output must match reference output |
| Test\_2.7\_ISJ\_no\_geojson | ISJ venue, floors 1, 2, 3 and 4, MFP+WFP exist for all floors, BFP on floor 4 only, geojson files are absent | Test output must match reference output |
| Test\_2.8\_ISJ\_empty\_geojson | ISJ venue, floors 1, 2, 3 and 4, MFP+WFP exist for all floors, geojson files are empty | Test output must match reference output |
| Test\_2.9\_ISJ\_no\_venue\_json | ISJ venue, floors 1, 2, 3 and 4, MFP+WFP exist for all floors, BFP on floor 4 only, venue.json file is absent | Test output must match reference output |

**Note:** if test script provides output like that: **”ASCA fails at test: <test\_name>”**, then an exception happened during this test and this must be fixed.