

## Sample of API Test Result (Basic API Tests)



### Food waste recycling bin system and HKPC API test (Connectivity and Basic test)

Testing server IP: <https://hkpcdev.greenycoins.gov.hk:5000>

Server port: 5000

Company name: \_\_\_\_\_

Tender ref.: \_\_\_\_\_

System name : \_\_\_\_\_

Tested by: \_\_\_\_\_

Date: : \_\_\_\_\_

| Test ID | Test description                                                                                 | Test procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Acceptance criteria                                                                                                                                                                                                                                                               | Pass | Partially accepted | Fail | Remarks |
|---------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|------|---------|
| 1       | Check the membership and open the lid for valid member with no food waste recycling record today | <p>1. Food waste recycling bin sends the request to HKPC server with valid member ID</p> <p>GET request:<br/><a href="https://hkpcdev.greenycoins.gov.hk:5000/user/getUserwithcount/{memberID}">https://hkpcdev.greenycoins.gov.hk:5000/user/getUserwithcount/{memberID}</a></p> <p>2. Food waste recycling bin receives the response from HKPC server with message</p> <pre>{   "success": true,   "data": {     "memberID": "xxxxx",     "membership": true,     ...   },   "recycleCount": {     "FOODWASTE": 0,     ...   } }</pre> | <p>Food waste recycling bin opens the lid to valid member after membership validation check in the condition:</p> <ul style="list-style-type: none"><li>- The user is valid member ("membership": true)</li><li>- No food waste recycling record today ("FOODWASTE": 0)</li></ul> |      |                    |      |         |



### Food waste recycling bin system and HKPC API test (Connectivity and Basic test)

Testing server IP: <https://hkpcdev.greenycoins.gov.hk:5000>

Server port: 5000

Company name: \_\_\_\_\_

Tender ref.: \_\_\_\_\_

System name : \_\_\_\_\_

Tested by: \_\_\_\_\_

Date: : \_\_\_\_\_

| Test ID | Test description                                      | Test procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Acceptance criteria                                                                          | Pass | Partially accepted | Fail | Remarks |
|---------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------|--------------------|------|---------|
| 2       | Check the membership and no action for invalid member | <p>1. Food waste recycling bin sends the request to HKPC server with <b>invalid</b> member ID</p> <p>GET request:<br/><a href="https://hkpcdev.greenycoins.gov.hk:5000/user/getUserwithcount/{memberID}">https://hkpcdev.greenycoins.gov.hk:5000/user/getUserwithcount/{memberID}</a></p> <p>2. Food waste recycling bin receives the response from HKPC server with message</p> <pre>{   "success": true,   "data": {     "memberID": "xxxx",     "membership": false,     ...   },   "recycleCount": {     "FOODWASTE": 1,     ...   } }</pre> | Food waste recycling bin takes no action after membership validation check in the condition. |      |                    |      |         |



## Food waste recycling bin system and HKPC API test (Connectivity and Basic test)

Testing server IP: <https://hkpcdev.greenycoins.gov.hk:5000>

Server port: 5000

Company name: \_\_\_\_\_

Tender ref.: \_\_\_\_\_

System name : \_\_\_\_\_

Tested by: \_\_\_\_\_

Date: : \_\_\_\_\_

| Test ID | Test description                                                                                                                   | Test procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Acceptance criteria                                                                                                                                                                                                                                                                                                                                                                                                      | Pass | Partially accepted | Fail | Remarks |
|---------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|------|---------|
| 3       | Obtain/Renew the token                                                                                                             | Food waste recycling bin sends the request to HKPC server for latest token<br>POST request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/token">https://hkpcdev.greenycoins.gov.hk:5000/token</a><br><br>Request body:<br>{<br>"contractorID": "xxxxx",<br>"password": "xxxxx"<br>}<br><br><b>Note: The contractorID and password will be provided to individual contractor.</b>                                                                                                                                                                                                                       | N/A. The token will be used and tested in other API call.<br><br>Note: The token will be renewed in every 4 hours. The contractor should have the mechanism in place to renew the token before expiry or invalid token exists during API call.                                                                                                                                                                           |      |                    |      |         |
| 4       | Send the transaction to GREEN\$ platform<br><br><b>Note: For food waste recycling in the same day, the greenScore should be 0.</b> | Recycleable collected and Smart bin sends the transaction to HKPC database<br>POST request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/transaction">https://hkpcdev.greenycoins.gov.hk:5000/transaction</a><br><br>Request body:<br>{<br>"machineID": "FW-XXXX-XXX (To be provided)",<br>"memberID": "xxxxx",<br>"locationID": "test01 (To be provided)",<br>"recycleableType": "FOODWASTE",<br>"transactionTime": "2021-08-29T09:12:33.001Z (Real time)",<br>"weight": 1,<br>"greenScore": 10,<br>"status": "valid",<br>"remarks": "optional",<br>"token": "token generated in item 4"<br>}<br><br> | The transaction record can be located in HKPC database.<br>Check transaction record in database:<br>[ ] Correct machineID<br>[ ] Correct memberID<br>[ ] Correct locationID<br>[ ] Correct recycleableType<br>[ ] Correct transactionTime<br>[ ] Correct weight<br>[ ] Correct greenScore<br>[ ] Remarks recorded in database<br><br>Check member record in database:<br>[ ] Correct qtyFoodWaste<br>[ ] Correct balance |      |                    |      |         |

## Sample of API Test Result (Full API Tests)



### Food waste recycling bin and HKPC API test (Full test)

Testing environment: <https://hkpcdev.greenycoins.gov.hk:5000>  
Server port: 5000

Company name: XXXXXXXXXX

Tested by: \_\_\_\_\_

Date: \_\_\_\_\_

| Test ID | Test description                                                                                 | Test procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Acceptance criteria                                                                                                                                                                                                                                                               | Pass | Partially accepted | Fail | Remarks |
|---------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|------|---------|
| 1       | Check the membership and open the lid for valid member with no food waste recycling record today | <p>1. Food waste recycling bin sends the request to HKPC server with <b>valid</b> member ID<br/>GET request:<br/><a href="https://hkpcdev.greenycoins.gov.hk:5000/user/getUserwithcount/{memberID}">https://hkpcdev.greenycoins.gov.hk:5000/user/getUserwithcount/{memberID}</a></p> <p>2. Food waste recycling bin receives the response from HKPC server with message<br/>{<br/>  "success": true,<br/>  "data": {<br/>    "memberID": "xxxxx",<br/>    "membership": true,<br/>    ...<br/>  },<br/>  "recycleCount": {<br/>    "FOODWASTE": 0,<br/>    ...<br/>  }<br/>}</p>   | <p>Food waste recycling bin opens the lid to valid member after membership validation check in the condition:</p> <ul style="list-style-type: none"><li>- The user is valid member ("membership": true)</li><li>- No food waste recycling record today ("FOODWASTE": 0)</li></ul> |      |                    |      |         |
| 2       | Check the membership and no action for invalid member                                            | <p>1. Food waste recycling bin sends the request to HKPC server with <b>invalid</b> member ID<br/>GET request:<br/><a href="https://hkpcdev.greenycoins.gov.hk:5000/user/getUserwithcount/{memberID}">https://hkpcdev.greenycoins.gov.hk:5000/user/getUserwithcount/{memberID}</a></p> <p>2. Food waste recycling bin receives the response from HKPC server with message<br/>{<br/>  "success": true,<br/>  "data": {<br/>    "memberID": "xxxx",<br/>    "membership": false,<br/>    ...<br/>  },<br/>  "recycleCount": {<br/>    "FOODWASTE": 1,<br/>    ...<br/>  }<br/>}</p> | <p>Food waste recycling bin takes no action after membership validation check in the condition.</p>                                                                                                                                                                               |      |                    |      |         |



## Food waste recycling bin and HKPC API test (Full test)

Testing environment: <https://hkpcdev.greenycoins.gov.hk:5000>

Server port: 5000

Company name: XXXXXXXX

Tested by: \_\_\_\_\_

Date: \_\_\_\_\_

| Test ID | Test description                                                     | Test procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Acceptance criteria                                                                                                                                                                                                                                   | Pass | Partially accepted | Fail | Remarks |
|---------|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|------|---------|
| 3       | Display the 10 latest transactions with balance on screen (Optional) | <p>1. Food waste recycling bin sends the request to HKPC server with valid member ID<br/>GET request:<br/><a href="https://hkpcdev.greenycoins.gov.hk:5000/user/latestTransactions/{member ID}">https://hkpcdev.greenycoins.gov.hk:5000/user/latestTransactions/{member ID}</a></p> <p>2. Food waste recycling bin receives the response from HKPC server with message<br/>{<br/>  "success": true,<br/>  "data": {<br/>    "memberID": "1000212827",<br/>    "membership": true,<br/>    "balance": 178,<br/>    "redemptionTotal": 0,<br/>    "recycleTotal": {<br/>      "kg": 8.53,<br/>      "piece": 0,<br/>      "visit": 0<br/>    },<br/>    "transactions": [<br/>      {<br/>        "_id": "626966217c9d66788f309f41",<br/>        "greenScore": 4,<br/>        "memberID": "1000212827",<br/>        "type": "Food Waste",<br/>        "source": "BATCH",<br/>        "staffID": "RF01",<br/>        "status": "valid",<br/>        "transactionTime": "2022-04-19T09:41:00.000Z",<br/>        "transactionType": "RECYCLE",<br/>        "contractorID": "xxxxxx",<br/>        "password": "xxxxxx"<br/>      }<br/>    ]<br/>  }<br/>}</p> | The transaction records show on the screen correctly.                                                                                                                                                                                                 |      |                    |      |         |
| 4       | Obtain/Renew the token                                               | <p>Food waste recycling bin sends the request to HKPC server for latest token<br/>POST request:<br/><a href="https://hkpcdev.greenycoins.gov.hk:5000/token">https://hkpcdev.greenycoins.gov.hk:5000/token</a></p> <p>Request body:<br/>{<br/>  "contractorID": "xxxxxx",<br/>  "password": "xxxxxx"<br/>}</p> <p><b>Note: The contractorID and password will be provided to individual contractor.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p>N/A. The token will be used and tested in other API call.</p> <p>Note: The token will be renewed in every 4 hours. The contractor should have the mechanism in place to renew the token before expiry or invalid token exists during API call.</p> |      |                    |      |         |



## Food waste recycling bin and HKPC API test (Full test)

Testing environment: <https://hkpcdev.greenycoins.gov.hk:5000>  
Server port: 5000

Company name: XXXXXXXX

Tested by: \_\_\_\_\_

Date: \_\_\_\_\_

| Test ID | Test description                                                                                                                   | Test procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Acceptance criteria                                                                                                                                                                                                                                                                                                                                                                                                      | Pass | Partially accepted | Fail | Remarks |
|---------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|------|---------|
| 5       | Checking the heartbeat                                                                                                             | Food waste recycling bin sends the heartbeat to HKPC server in every 2 minutes<br>POST request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/heartbeat">https://hkpcdev.greenycoins.gov.hk:5000/heartbeat</a><br><br>Request body:<br>{<br>"token": "token generated in item 4"<br>}                                                                                                                                                                                                                                                                                                           | HKPC to confirm the heartbeat is received.<br><br><b>Note: If HKPC server cannot obtain any heartbeat in 6 minutes, HKPC server will assume that there is a connection failure between the systems.</b>                                                                                                                                                                                                                  |      |                    |      |         |
| 6       | Send the transaction to GREEN\$ platform<br><br><b>Note: For food waste recycling in the same day, the greenScore should be 0.</b> | Recycleable collected and Smart bin sends the transaction to HKPC database<br>POST request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/transaction">https://hkpcdev.greenycoins.gov.hk:5000/transaction</a><br><br>Request body:<br>{<br>"machineID": "FW-XXXX-XXX (To be provided)",<br>"memberID": "xxxxx",<br>"locationID": "test01 (To be provided)",<br>"recycleableType": "FOODWASTE",<br>"transactionTime": "2021-08-29T09:12:33.001Z (Real time)",<br>"weight": 1,<br>"greenScore": 10,<br>"status": "valid",<br>"remarks": "optional",<br>"token": "token generated in item 4"<br>} | The transaction record can be located in HKPC database.<br>Check transaction record in database:<br>[ ] Correct machineID<br>[ ] Correct memberID<br>[ ] Correct locationID<br>[ ] Correct recycleableType<br>[ ] Correct transactionTime<br>[ ] Correct weight<br>[ ] Correct greenScore<br>[ ] Remarks recorded in database<br><br>Check member record in database:<br>[ ] Correct qtyFoodWaste<br>[ ] Correct balance |      |                    |      |         |



## Food waste recycling bin and HKPC API test (Full test)

Testing environment: <https://hkpcdev.greenycoins.gov.hk:5000>  
Server port: 5000

Company name: XXXXXXXXXX

Tested by: \_\_\_\_\_

Date: \_\_\_\_\_

| Test ID | Test description                                                                  | Test procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Acceptance criteria                                                                                                                                                                                                                                                                                                                                    | Pass | Partially accepted | Fail | Remarks |
|---------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|------|---------|
| 7       | Update the machine status to GREEN\$ platform<br><b>[Out of service]</b>          | Food waste recycling bin sends "Out of service" to HKPC server<br>POST request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/machine/status">https://hkpcdev.greenycoins.gov.hk:5000/machine/status</a><br><br>-H 'Authorization: Bearer token generated in item 4<br>Request body:<br><br>[<br>{<br>"machineID": "FW-XXXX-XXX (To be provided)",<br>"timestamp": "2022-04-08T05:42:00.000Z (Report time)",<br>"level": 2,<br>"code": 601,<br>"message": "Out of service"<br>}]                      | HKPC to confirm the machine status is received.<br>GET request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/machine/status/(machineID)">https://hkpcdev.greenycoins.gov.hk:5000/machine/status/(machineID)</a><br><br>[ ] Correct machineID<br>[ ] Correct timestamp<br>[ ] Correct level (2)<br>[ ] Correct code (601)<br>[ ] Correct message |      |                    |      |         |
| 8       | Update the machine status to GREEN\$ platform<br><b>[In service]</b>              | Food waste recycling bin sends "In service" to HKPC server to clear the fault in item 7<br>POST request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/machine/status">https://hkpcdev.greenycoins.gov.hk:5000/machine/status</a><br><br>-H 'Authorization: Bearer token generated in item 4<br>Request body:<br><br>[<br>{<br>"machineID": "FW-XXXX-XXX (To be provided)",<br>"timestamp": "2022-04-08T05:42:00.000Z (Report time)",<br>"level": 0,<br>"code": 601,<br>"message": "In service"<br>}] | HKPC to confirm the machine status is received.<br>GET request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/machine/status/(machineID)">https://hkpcdev.greenycoins.gov.hk:5000/machine/status/(machineID)</a><br><br>Error "601" cleared (No record in the return message)                                                                    |      |                    |      |         |
| 9       | Update the machine status to GREEN\$ platform <b>[50% full]</b><br><br>(Optional) | Food waste recycling bin sends bin status to HKPC server<br>POST request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/machine/status">https://hkpcdev.greenycoins.gov.hk:5000/machine/status</a><br><br>-H 'Authorization: Bearer token generated in item 4<br>Request body:<br><br>[<br>{<br>"machineID": "FW-XXXX-XXX (To be provided)",<br>"timestamp": "2022-04-08T05:42:00.000Z (Report time)",<br>"level": 1,<br>"code": 555,<br>"message": "50% full (Food waste bin) [FOODWASTE]"<br>}]     | HKPC to confirm the machine status is received.<br>GET request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/machine/status/(machineID)">https://hkpcdev.greenycoins.gov.hk:5000/machine/status/(machineID)</a><br><br>[ ] Correct machineID<br>[ ] Correct timestamp<br>[ ] Correct level (1)<br>[ ] Correct code (555)<br>[ ] Correct message |      |                    |      |         |



## Food waste recycling bin and HKPC API test (Full test)

Testing environment: <https://hkpcdev.greenycoins.gov.hk:5000>  
Server port: 5000

Company name: XXXXXXXX

Tested by: \_\_\_\_\_

Date: \_\_\_\_\_

| Test ID | Test description                                                           | Test procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Acceptance criteria                                                                                                                                                                                                                                                                                                                                    | Pass | Partially accepted | Fail | Remarks |
|---------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|------|---------|
| 10      | Update the machine status to GREEN\$ platform [90% full]<br><br>(Optional) | Food waste recycling bin sends bin status to HKPC server<br>POST request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/machine/status">https://hkpcdev.greenycoins.gov.hk:5000/machine/status</a><br><br>-H 'Authorization: Bearer token generated in item 4'<br>Request body:<br><br>[<br>{<br>"machineID": "FW-XXXX-XXX (To be provided)",<br>"timestamp": "2022-04-08T05:42:00.000Z (Report time)",<br>"level": 1,<br>"code": 559,<br>"message": "90% full (Food waste bin) [FOODWASTE]"<br>}<br>] | HKPC to confirm the machine status is received.<br>GET request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/machine/status/{machineID}">https://hkpcdev.greenycoins.gov.hk:5000/machine/status/{machineID}</a><br><br>[ ] Correct machineID<br>[ ] Correct timestamp<br>[ ] Correct level (1)<br>[ ] Correct code (559)<br>[ ] Correct message |      |                    |      |         |
| 11      | Update the machine status to GREEN\$ platform [Full]                       | Food waste recycling bin sends bin status to HKPC server<br>POST request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/machine/status">https://hkpcdev.greenycoins.gov.hk:5000/machine/status</a><br><br>-H 'Authorization: Bearer token generated in item 4'<br>Request body:<br><br>[<br>{<br>"machineID": "FW-XXXX-XXX (To be provided)",<br>"timestamp": "2022-04-08T05:42:00.000Z (Report time)",<br>"level": 2,<br>"code": 559,<br>"message": "Full (Food waste bin) [FOODWASTE]"<br>}<br>]     | HKPC to confirm the machine status is received.<br>GET request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/machine/status/{machineID}">https://hkpcdev.greenycoins.gov.hk:5000/machine/status/{machineID}</a><br><br>[ ] Correct machineID<br>[ ] Correct timestamp<br>[ ] Correct level (2)<br>[ ] Correct code (559)<br>[ ] Correct message |      |                    |      |         |



## Food waste recycling bin and HKPC API test (Full test)

Testing environment: <https://hkpcdev.greenycoins.gov.hk:5000>  
Server port: 5000

Company name: XXXXXXXXXX

Tested by: \_\_\_\_\_

Date: \_\_\_\_\_

| Test ID | Test description                                                                          | Test procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Acceptance criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Pass | Partially accepted | Fail | Remarks |
|---------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|------|---------|
| 12      | Update the machine status to GREEN\$ platform <b>when food waste collected/ bin empty</b> | Food waste recycling bin sends bin status to HKPC server<br>POST request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/machine/status">https://hkpcdev.greenycoins.gov.hk:5000/machine/status</a><br><br>-H 'Authorization: Bearer <b>token generated in item 4</b><br>Request body:<br><br>[<br>{<br>"machineID": "FW-XXXX-XXX (To be provided)",<br>"timestamp": "2022-04-08T05:42:00.000Z (Report time)",<br>"level": 0,<br>"code": 550,<br>"message": "Food waste collected/ Food waste bin empty"<br>}<br>]  | HKPC to confirm the machine status is received.<br>GET request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/machine/status/{machineID}">https://hkpcdev.greenycoins.gov.hk:5000/machine/status/{machineID}</a><br><br>[ ] Correct machineID<br>[ ] Correct timestamp<br>[ ] Correct level (0)<br>[ ] Correct code (550)<br>[ ] Correct message                                                                                                                                                                                                                                                         |      |                    |      |         |
| 13      | Update the machine status to GREEN\$ platform with <b>self-defined error codes</b>        | Food waste recycling bin sends bin status to HKPC server<br>POST request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/machine/status">https://hkpcdev.greenycoins.gov.hk:5000/machine/status</a><br><br>-H 'Authorization: Bearer <b>token generated in item 4</b><br>Request body:<br><br>[<br>{<br>"machineID": "FW-XXXX-XXX (To be provided)",<br>"timestamp": "2022-04-08T05:42:00.000Z (Report time)",<br>"level": X,<br>"code": 3xxx,<br>"message": "Food waste collected/ Food waste bin empty"<br>}<br>] | HKPC to confirm the machine status is received.<br>GET request:<br><a href="https://hkpcdev.greenycoins.gov.hk:5000/machine/status/{machineID}">https://hkpcdev.greenycoins.gov.hk:5000/machine/status/{machineID}</a><br><br>[ ] Correct machineID<br>[ ] Correct timestamp<br>[ ] Correct level<br>[ ] Correct code<br>[ ] Correct message<br><br>Note:<br>1. The contractor should provide the list of self-defined error codes for testing (with error code, level and error messages)<br>2. Code 0 to 1000 are reserved for internal use. The contractor can only assign the error code > 1000. E.g. 3XXX |      |                    |      |         |
| 14      | Configuration of alternative DNS                                                          | Configure the alternative DNS as per the recommendation from OGCIO as below:<br>ns01.scig.gov.hk      192.16.16.5 & 192.16.16.6<br>ns02.scig.gov.hk      156.154.64.83 & 156.154.65.83                                                                                                                                                                                                                                                                                                                                   | Show to HKPC that DNS is correctly configured                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |                    |      |         |