AutoCert+ EBS Risk Management API User Manual

20 October 2022

Disclaimer

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Getting Started

The AutoCert+ tool is an automated testing tool for validating application functionality. It provides an easy-to-use web interface for walking through CME Group certification scenarios.

To facilitate the process of connecting a customer application, CME Group provides a dedicated certification environment to allow customers to test their systems before they complete certification.

This Help system accompanies the AutoCert+ EBS Risk Management API test suite.

EBS Risk Management API

EBS Risk Management API provides API access to EBS risk administrators through simple API calls to retrieve lists of entity groups, retrieve and set credit limits and kill or unkill trading.

EBS Risk Management API is a JSON (JavaScript Object Notation) Representation State Transfer (REST) API which provides REST endpoints (URLs) representing the HTTP methods GET request to retrieve records, and the POST request to create new records. EBS Risk Management API risk authenticates risk administrators using OAuth 2.0 protocol.

EBS risk administrators can use the EBS Risk Management API or User Interface(UI) to manage risk.

See also: EBS Risk Management API - Features and Functions client impact assessment.

Run and Navigate AutoCert+

▷ **To run and navigate AutoCert+:**

1. Log into the automated certification tool.

2. Review general AutoCert+ test suite navigation and general interview information.

3. Navigate to the AutoCert+ EBS Risk Management API test suite.

a. Select a **Company Name**.

b. For **Market**, select *EBS*.

c. For **Purpose**, select *EBS Risk Management API*

   d.   Select an **Application System**.

   e.   For **Test Suite**, select *EBS Risk Management API*.

4.   Select an **API ID / SenderComp** then select **ASSIGN API ID**.

5.   Validate access to assign the API ID by entering an **OAUTH Token**.

6.   Select **Assign API ID**.

> ℹ   **Note:** The Auth Token must be refreshed every 30 minutes.

6.   Complete the Interview for this test suite.

7.   Complete applicable test cases.

8.   Complete the certification process from the Post Certification tab.

What's New

The list below illustrates the updates made to the AutoCert+ EBS Risk Management API Help system.

Date	Description
October 20, 2022	Website and PDF Format changes only.
June 3, 2022	Updated Interview questions.
October 6, 2021	Initial release.

Interview

The interview consists of a series of questions about your trading application. Based on your responses, certain tests are required and others are optional. You must complete the pre-certification interview before running the test cases.

▷ **To complete the interview:**

Answer each question and select "**Complete**" when finished.

Available *Test Suites* / *Cases* are determined by the selected participant type and responses to interview questions; for grantor / grantee groups, limits, prime customers, firm status.

Interview: Participant Type - Bilateral

Interview: Participant Type - Prime / Bilateral and Prime

Interview	Test Suite	Test Case	Post Certification	Help

Select which participant type you support ?

- ◯ Bilateral
- ◯ Prime
- ◉ Both Bilateral and Prime

Will your system support Health Check ?

- ☑ Yes

Will your system support GET method for Grantor-groups ?

- ◉ Yes
- ◯ No

Will your system support GET method for Grantee-groups ?

- ◉ Yes
- ◯ No

Will your system support GET method for Limits ?

- ◉ Yes
- ◯ No

Will your system support POST method for Limits ?

- ◉ Yes
- ◯ No

Will your system support GET method for Prime-Customers ?

- ◉ Yes
- ◯ No

Will your system support GET method for FirmStatus ?

- ◉ Yes
- ◯ No

Will your system support POST method for FirmStatus (Kill and Un-Kill) ?

- ◉ Yes
- ◯ No

Complete

Certification Tests

The following topics contain information on the AutoCert+ EBS Risk Management API certification tests.

Available *Test Suites / Cases* are determined by the selected participant type and responses to interview questions; for grantor / grantee groups, limits, prime customers, firm status.

- GET - Health Check
- GET - Grantor Groups
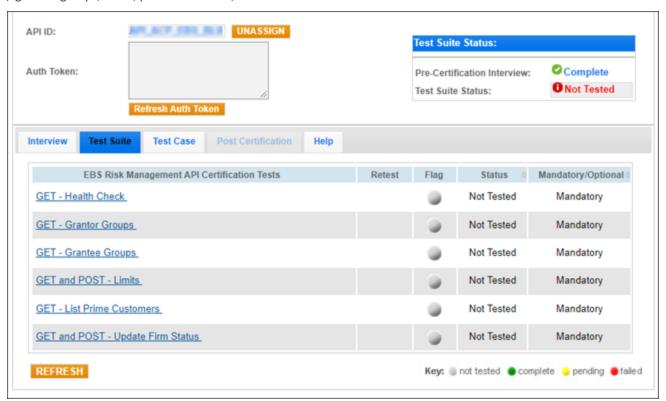- GET - Grantee Groups
- GET - Limits
- POST - Limits
- GET - List Prime Customers
- GET - Firm Status
- POST - Update Firm Status

GET - Health Check

The purpose of this test is to ensure proper health checks can be sent and received.

> **Note:** See the Get Health Status message specification for more information.

1. Select an **API ID** and select **ASSIGN API ID**.
2. Enter an **OAUTH Token**.
3. Select **Assign API ID**.

> (i) **Note:** The Auth Token must be refreshed every 30 minutes.

▷ **To run a GET - Health Check test:**

1. From the *Test Suite* tab, select **GET - Health Check**, then select **START TEST**.

2. Submit a GET call to request the API health status.

3. Validate the health status returned.

GET - Grantor Groups

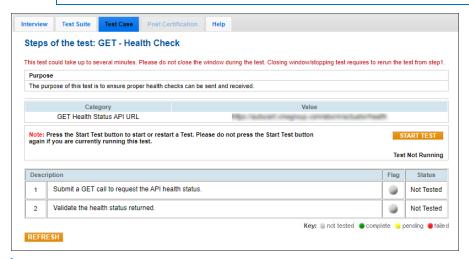The purpose of this verify that the client system can retrieve the Grantor Groups they are permissioned for.

> **Note:** See the List Grantor Groups message specification for more information.

1. Select an **API ID** and select **ASSIGN API ID**.

2. Enter an **OAUTH Token**.

3. Select **Assign API ID**.

> **Note:** The Auth Token must be refreshed every 30 minutes.

▷ **GET - Grantor Groups test:**

1. From the *Test Suite* tab, select **GET - Grantor Groups**, then select **START TEST**.

2. Submit a GET call to request a list of Grantor Groups your API has entitlements to.

3. Validate the Grantor Group ID.
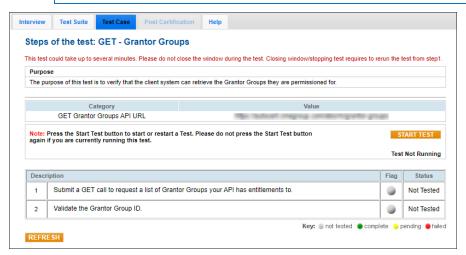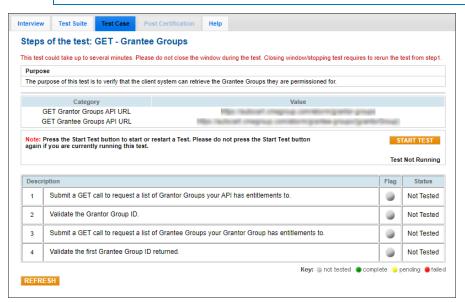
GET - Grantee Groups

The purpose of this verify that the client system can retrieve the Grantee Groups they are permissioned for.

> **Note:** See the List Grantee Groups message specification for more information.

1. Select an **API ID** and select **ASSIGN API ID**.

2. Enter an **OAUTH Token**.

3. Select **Assign API ID**.

> **Note:** The Auth Token must be refreshed every 30 minutes.

▷ **GET - Grantee Groups test:**

1. From the *Test Suite* tab, select **GET - Grantee Groups**, then select **START TEST**.

2. Submit a GET call to request a list of Grantor Groups your API has entitlements to.

3. Validate the Grantor Group ID.

> **Note**: For additional details on Grantor Group tests (for steps 1-3), refer to GET - Grantor Groups.

3. Submit a GET call to request a list of Grantee Groups your Grantor Group has entitlements to.

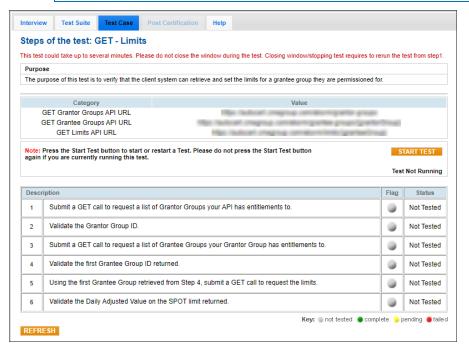4. Validate the first Grantee Group ID returned.

GET - Grantee Limits

The purpose of this verify that the client system can retrieve and set the limits for a grantee group for which they are permissioned.

> **Note:** See the List Grantee Group Limits message specification for more information.

1. Select an **API ID** and select **ASSIGN API ID**.

2. Enter an **OAUTH Token**.

3. Select **Assign API ID**.

   > **Note:** The Auth Token must be refreshed every 30 minutes.

▷ To run a GET - Limits test:

1. From the *Test Suite* tab, select **GET - Grantee Limits**, then select **START TEST**.

2. Submit a GET call to request a list of Grantor Groups your API has entitlements to.

3. Validate the Grantor Group ID returned.

   > **Note**: For additional details on Grantor Group tests (for steps 1-2), refer to GET - Grantor Groups.

4. Submit a GET call to request a list of Grantee Groups your Grantor Group has entitlements to.

5. Validate the first Grantee Group ID returned.

   > **Note**: For additional details on Grantee Group tests (for steps 3-4), refer to GET - Grantee Groups.

6. Using the first Grantee Group retrieved from Step 4, submit a GET call to request the limits.

7. Validate the Daily Adjusted Value (DAV) on the SPOT limit returned.

POST - Limits

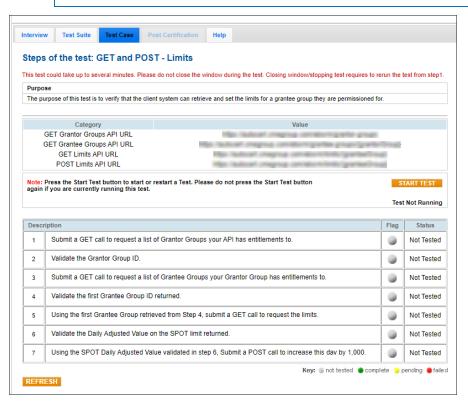The purpose of this verify that the client system can retrieve and set the limits for a grantee group they are permissioned for.

> **Note:** See the Update Grantee Group Limits message specification for more information.

1. Select an **API ID** and select **ASSIGN API ID**.

2. Enter an **OAUTH Token**.

3. Select **Assign API ID**.

> **Note:** The Auth Token must be refreshed every 30 minutes.

▷ **To run a POST - Limits test:**

1. From the *Test Suite* tab, select **POST - Grantee Limits**, then select **START TEST**.

2. Submit a GET call to request a list of Grantor Groups your API has entitlements to.

3. Validate the Grantor Group ID returned.

> **Note**: For additional details on Grantor Group tests, refer to GET - Grantor Groups.

4. Submit a GET call to request a list of Grantee Groups your Grantor Group has entitlements to.

5. Validate the first Grantee Group ID returned.

> **Note**: For additional details on Grantee Group tests, refer to GET - Grantee Groups.

6. Using the first Grantee Group retrieved from Step 4, submit a GET call to request the limits.

7. Validate the Daily Adjusted Value (DAV) on the SPOT limit returned.

> **Note**: For additional details on Grantee Group limits, refer to GET - Grantee Limits.

8. Using the SPOT Daily Adjusted Value validated in step 6, Submit a POST call to increase this DAV by 1,000.

GET - List Prime Customers

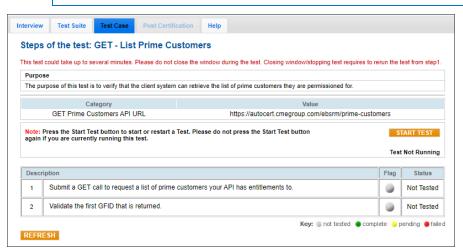The purpose of this verify that the client system can retrieve the list of prime customers they are permissioned for.

> **Note:** See the List Prime Customers message specification for more information.

1. Select an **API ID** and select **ASSIGN API ID**.

2. Enter an **OAUTH Token**.

3. Select **Assign API ID**.

> **Note:** The Auth Token must be refreshed every 30 minutes.

▷ **To run a GET - List Prime Customers test:**

1. From the *Test Suite* tab, select **GET - List Prime Customers**, then select **START TEST**.

2. Submit a GET call to request a list of prime customers your API has entitlements to.

3. Validate the first GFID that is returned.

GET - Firm Status

The purpose of this verify that the client system can retrieve the tradeable status of a firm they permissioned for.

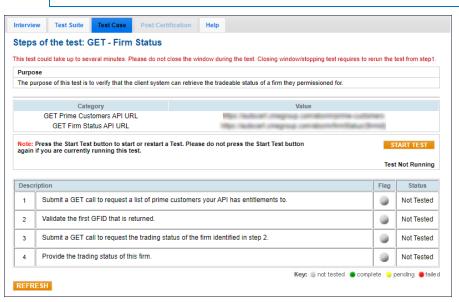> ⓘ **Note:** See the Get Firm Status message specification for more information.

1. Select an **API ID** and select **ASSIGN API ID**.

2. Enter an **OAUTH Token**.

3. Select **Assign API ID**.

> ⓘ **Note:** The Auth Token must be refreshed every 30 minutes.

▷ **To run a GET - Firm Status test:**

1. From the *Test Suite* tab, select **GET - Firm Status**, then select **START TEST**.

2. Submit a GET call to request the trading status of one of the firms your API has entitlements to.

3. Validate the first GFID that is returned.

4. Submit a GET call to request the trading status of the firm identified in step 2.

5. Provide the trading status of this firm.

POST - Update Firm Status

The purpose of this verify that the client system can update the tradeable status of a firm they permissioned for.
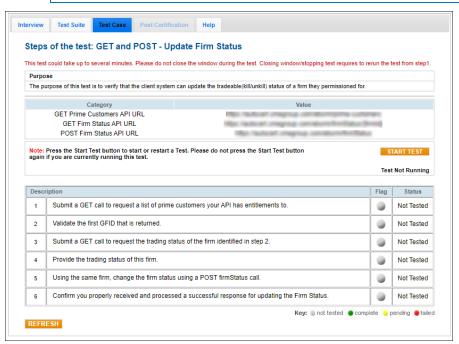
> **Note:** See the Update Firm Status message specification for more information.

1. Select an **API ID** and select **ASSIGN API ID**.

2. Enter an **OAUTH Token**.

3. Select **Assign API ID**.

   > **Note:** The Auth Token must be refreshed every 30 minutes.

> **To run a POST - Update Firm Status test:**

1. From the *Test Suite* tab, select **POST - Update Firm Status**, then select **START TEST**.

2. Submit a GET call to request a list of prime customers your API has entitlements to.

3. Validate the first GFID that is returned.

4. Submit a GET call to request the trading status of the firm identified in step 2.

5. Provide the trading status of this firm.

   > **Note:** Step 4 is only required for systems receiving Snapshot+Updates.

6. Using the same firm, change the firm status using a POST firmStatus call.

7. Confirm you properly received and processed a successful response for updating the Firm Status.