Third-Party EVV API Interface Testing Process

Electronic Visit Verification (EVV) Data Aggregator Test Document

Legal

The software described in this document is furnished pursuant and subject to the Terms of Use. The software may be used or copied only in accordance with the terms of the agreement. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, for any purpose without the express written permission of Homecare Software Solutions, LLC (HHAeXchange). Information in this document may be revised from time to time without notice and is for informational purposes only. Consult with your legal advisor as to your required compliance with all laws and regulations.

Document Revision History

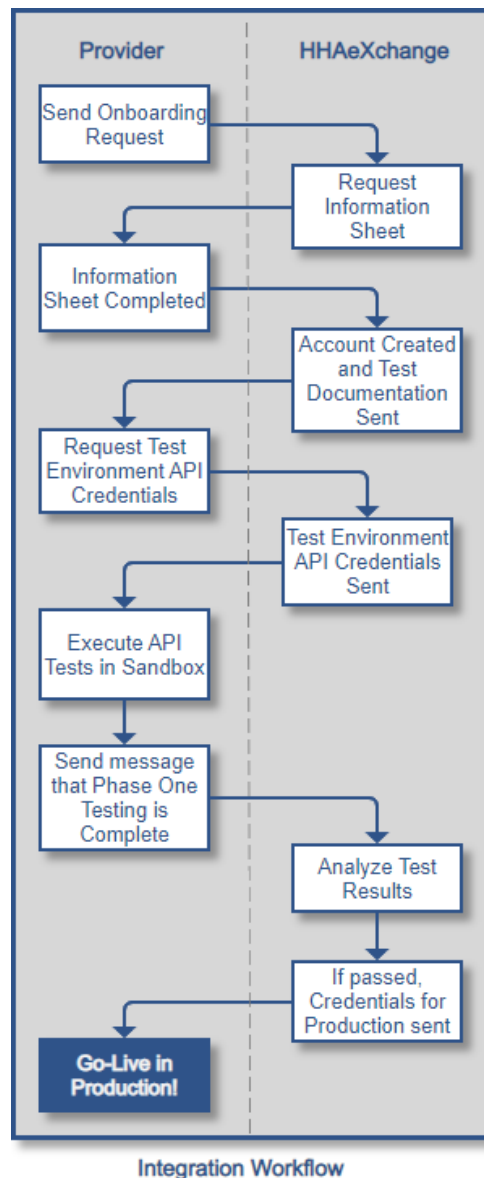| Version	Date	Comments
1.4	04/03/2024	Updated test scenarios 9-001 and 10-001 return status
1.3	11/02/2023	Updated workflows and EDI Provider Integration contact information
1.2	09/09/2021	Added test payer information
1.1	06/09/2021	Updated URL and Return Status Code
1.0	09/18/2020	Initial Draft

Table of Contents

Overview

This guide in conjunction with the HHAeXchange "EVV Data Aggregator Specification" document enables an authorized third-party Electronic Visit Verification (EVV) Provider to develop the interface to transmit EVV records to the State Aggregator.

After acquiring credentials to the REST API "Test" Endpoints in the HHAeXchange Implementation environment, Providers can use the interface to validate the API methods and attributes and basic workflows. This document describes a set of tests needed to successfully execute as a prerequisite for moving forward in the integration process.

Provider	HHAeXchange
Send Onboarding Request	
	Request Information Sheet
Information Sheet Completed	
	Account Created and Test Documentation Sent
Request Test Environment API Credentials	
	Test Environment API Credentials Sent
Execute API Tests in Sandbox	
Send message that Phase One Testing is Complete	
	Analyze Test Results
	If passed, Credentials for Production sent
Go-Live in Production!	

Integration Workflow

Test Readiness

1. Provider Requests Implementation Credentials on behalf of their EVV Vendor

Create a ticket via the Provider EDI Integrations Support Portal with the subject line 'Test Environment API Credentials Request' to request access to the third-party EVV API Interface in the HHAeXchange Implementation Environment.

2. HHAeXchange configures the Third-Party Vendor for access to Implementation

Based on the information collected in the onboarding process, HHAeXchange will create the necessary configuration that will permit you to run your tests in the Implementation environment.

3. HHAeXchange delivers API Client ID and Client Secret to acquire an Access Token

a. HHAeXchange establishes accounts and credentials to enable the Phase 1 testing in the HHAeXchange Implementation Environment.
b. Afterward, your API Client ID and Client Secret is delivered via Secure Email along with the supporting documentation that enables you to create a programmatic interface to process EVV records.
c. Test patient data is sent for use in the HHAeXchange Implementation Environment. The test data includes the payer ID to be used for testing.

Supporting Documentation

4. Technical Specification

Review your market specific Electronic Visit Verification (EVV) Data Aggregator Specification. This can be found on our website in your state specific Info Hub, within the EDI Process tab.

5. Swagger Document for Exposed Endpoints

Access the Swagger document for the External API by clicking on the Implementation Endpoint URL: https://implementation.hhaexchange.com/api/index.html. The information contained within is intended for API Developers familiar with this content and is not explained here.

Test Execution

6. Third Party Ready to Test – Third Party Development

There are two phases for migrating a client-side interface through our environments. This document addresses the Phase 1 Implementation Test requirements.

Phase 1 (Implementation)	Phase 2 (Production)
Assigned Implementation Credentials and Implementation URL for validating the software leveraging the HHAeXchange External API.	Assigned Production Credentials and Production URL for Go-Live in Production.

7. Test Scenarios

To migrate from Phase 1 to Phase 2 you must pass the following 10 Test cases:

Test	Test Name	Steps	Param	Return Status
Test 1-001	Authenticate	1. Authenticate with your assigned *client_id* and *client_secret* using the Test URL to get an Auth Token.	scope: write:aggregator grant_type: client_credentials	Receive a Status 200
Test 2-001	Create Caregiver	1. Call the Caregiver Endpoint with all "Required" attributes in the correct Format in the payload. 2. Set the Caregiver *type* to "Both" 3. Set the *hireDate* to 2020-10-01 4. Call API Endpoint	Caregiver	Receive a Status 200 and Transaction ID
Test 3-001	Update Caregiver	1. Update the Caregiver record from test 2-001 and set *hireDate* to 2020-10-07. 2. Call API Endpoint	Caregiver	Receive a Status 200 and Transaction ID
Test 4-001	Create Visits in Batch	2. Call the Visits endpoint to send five (5) Clock In / Clock Out records with all "Required" attributes in the correct Format in the payload 3. Call API Endpoint	Visits	Receive a Status 202 and Transaction ID
Test 4-002	Check the Transmission Status for Test 4-001	1. Use the Transaction ID from Test 4-001 2. Call the Transactions Endpoint		Receive a Status 200 EVVMSID
Test 5-001	Create Single Visit	1. Call the Visits endpoint to create a single visit with a Clock In	Visit	Receive a Status 202 and Transaction ID
Test 5-002	Check the Transmission Status for Test 5-001	1. Use the Transaction ID from Test 5-001 2. Call the Transaction Endpoint		Receive a Status 200 and EVVMSID
Test 6-001	Create Missed Visit*	1. Set a *reasonCode* 2. Set an *actionCode* 3. Set *missed* to true 4. Call the Visits endpoint to create a missed visit	Visit	Receive a Status 202 and Transaction ID

Test	Test Name	Steps	Param	Return Status
Test 7-001	Edit Confirmed Visit*	1. Use the EVVMSID from Test 5-002 2. Set a *reasonCode* 3. Set an *actionCode* 4. Set *edited* to true 5. Call the Visits endpoint to edit the confirmed visit	Visit	Receive a Status 202 and Transaction ID
Test 8-001	Delete an Existing Visit	1. Use the EVVMSID from Test 5-002 2. Call the Visit Endpoint to Delete the visit in Test 5-001	Visit	Receive a Status 202 and Transaction ID
Test 9-001	Missing Required Field	1. Rerun Test 2-001 and remove Provider	Caregiver	Receive a status 400 and Transaction ID
Test 10-001	Invalid Type Attribute	1. Rerun Test 2-001 and provide *hireDate* in incorrect format (DD-MM-YYYY)	Caregiver	Receive a status 400 and Transaction ID

*Use any reasonCode and ActionCode listed in your state specific EVV API import specifications

5. Limitations

During testing, you may see transactions in a pending status. If they remain in this status for more than 24 hours, please create a ticket via the Provider EDI Integrations Support Portal and include the transaction ID.

Vendor Approval

6. Vendor or Provider Contacts HHAeXchange to receive EVV System Approval for Production Access

After exercising the tests highlighted above, create a ticket via the Provider EDI Integrations Support Portal with the subject line 'Phase One Testing Complete' for an assessment. We will then inspect our internal log files to ensure that your tests were executed successfully so you can proceed to Phase 2.

7. Credentials Assigned for the Production Endpoints

Upon passing the Phase 1 Tests, the HHAeXchange Integration Team will migrate you to the Production environment which will require a new set of credentials and the Production Endpoint URL.

Technical Support

Technical Support is available to guide you through the process and to answer questions regarding your integration. To request support, create a ticket via the Provider EDI Integrations Support Portal with the subject line 'Application API Technical Support request' and an integration analyst will assist you.