

API Connectivity and Testing

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Document history

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1 Introduction

1.1 Purpose

This document describes the scope and requirements of Ordo sandbox testing so that an Ordo client may integrate with and use Ordo's APIs in Production.

The contents of this document also apply to existing clients who make significant changes to the functionality or configuration of their APIs and/or downstream systems.

It should also be noted that any significant change to Ordo's API functionality or configuration may result in the need for clients to perform regression testing.

This document covers the following topics:

- Testing phases
- Documentation review and sign off process
- Test management and reporting
- Live proving

1.2 Overview

A prerequisite for customers using Ordo's Production APIs is testing within the Ordo Sandbox environment. Live, customer banking transactions are not permitted in the sandbox environment and can only be performed during live proving. Ordo will provide suitable test account for this purpose in the Sandbox environment.

There are three stages of client testing that are outlined below:

- Connectivity Testing; which confirms connectivity between the client's own test environment and the Ordo sandbox. This process is outlined in the Ordo Security Model and further information can be found at [OrdoHQ](#) and the Ordo [Developer Portal](#).
- Functional Testing; which confirms the ability to send, receive and respond to smart requests and notifications sent by the Ordo client (Biller) to their own customer base.
- Non-Functional testing; which confirms the ability to process smart requests at expected volumes.

The full scope of the testing requirements will be agreed with individual clients and are based upon which Ordo Product the client wishes to provide for its own customer base. These products are covered within this document, but further details can be found on the Ordo [Developer Portal](#).

2 Testing

2.1 Connectivity Testing

Connectivity testing needs to be successfully performed before moving on to the next stages (Functional and Non-functional Testing). This is a standardised process regardless of the Ordo Product offered.

The Ordo sandbox and production environment both use an Identity Service to provide Authentication and Authorisation services. Each client application will be assigned a set of credentials which must be presented to the Identity Service whenever it is used.

To enable this, we will need the following information:

- Details of the client application.
- Redirection URLs.
- Logout redirection URLs.
- CORS origins to be used in the authentication process.
-

Please provide these details by completing this [form](#) (for sandbox access) and this [form](#) (for production environment) and send to support@ordopay.com

Ordo will then provide you with a Client Id and Client Secret for use with the Identity Service.

2.2 Functional Testing

Provided to the client by Ordo Product type and detailed in Annex A

2.3 Non-Functional Testing

Performed by the client based upon their projected volumes

2.4 Assumptions

- Client and their customers operate in the UK in Sterling currency
- Client test environments are identical to their production environments and will be mirrored throughout the Ordo/client relationship
- If a client implements a new version/component code during a testing phase, they will declare it to Ordo.

3 Document Review and sign off Process

3.1 Overview

This section covers the process followed for the review and sign off of any documents produced specifically for the connectivity and testing of an Ordo client.

The documents which require input from the various parties and subsequent agreement are as follows:

Client Project plan – provided to each client and tailored during consultation

Test Tracker – provided to each client and tailored during consultation

Test Management and Reporting

3.2 Overview

Each test phase and Ordo Product has an agreed scope and it is expected that the client will execute each test scenario in scope, check the result is as expected, and confirm the status

within Annex A. It is expected that any issues encountered during testing will be documented along with any resolution to any issues.

3.3 Test management and support

For each phase of testing, the client will confirm the contacts for management and execution of the tests. After each phase of testing, an updated test tracker should be sent to business@ordopay.com for review. Any issues raised during testing should be raised to the same email address.

4 Live Proving

4.1 Overview

It is recognised that an element of live proving might be necessary to complete full end to end testing. This should be agreed as part of the wider on boarding Project Plan. Before starting live proving, clients will need to perform the connectivity and set-up activities for the production environment, detailed above.

Should any issues arise during this period they should be advised to Ordo at business@ordopay.com. We will assess the issue and provide advice or resolution plan. Ordo will have the right to decide whether a defect fix can be deployed into production and whether any further testing is required.

Once live proving has successfully completed, then Live Proving will close and handover to Business as Usual will take place.

5 Annex A

SendViaOrdo

Test Number	Test Name	API	Complete (Y/N)
0101	Register Company Flow	Manual process via www.myordo.com	
0102	Register charity Flow - charity register flow with Charity Number	Manual process via www.myordo.com	
0103	Add an additional Participant	Manual process via www.myordo.com	
0104	List of Participants linked to user	Manual process via www.myordo.com	
0105	Update participant data	Manual process via www.myordo.com	
0106	Update user data	Manual process via www.myordo.com	
0201	Login Flow - Login using valid tokens and credentials	N/A	
0202	Login Flow - Login using invalid tokens and credentials	N/A	
0203	Logout Flow	N/A	
0301	Create a Smart Request flow - Create a Smart Request using phone number (No attachments)	Smart Request - Creates a new SmartRequest	
0302	Create a Smart Request flow - Create a Smart Request using email address (No attachments)	Smart Request - Creates a new SmartRequest	
0303	Create a Smart Request - Create a Smart Request allowing part payment	Smart Request - Creates a new SmartRequest	
0304	Create a Smart Request - Create a Smart Request allowing extension requests	Smart Request - Creates a new SmartRequest	
0305	Create Smart Request flow - Add a Document attachment - PDF	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform	

0306	Create Smart Request flow - Add a Document attachment - PNG	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform	
0307	Create Smart Request flow - Add a Document attachment - JPG	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform	
0308	Create Smart Request flow - Add a Document attachment - Wrong File type	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform	
0309	Create Smart Request flow - Add a Document attachment bigger than 50 MB	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform	
0310	Create Smart Request flow - Create Smart request with multiple attachments - less than 10	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform	
0311	Create Smart Request flow - Create Smart request with multiple attachments 10 attachments	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform	
0312	Create Smart Request flow - Create Smart request with more than 10 attachments	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform	
0313	Create Smart Request flow - Create Smart request with multiple attachments tottaling up to more than 50 MB	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform	
0314	Create Smart Request flow - Create Smart request with 1 attachment with a file size bigger than 50MB	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform	

0315	Create Smart Request flow - Due date cannot be in the past	Smart Request - Creates a new SmartRequest	
0316	Create Smart Request flow - 0 SR remaining	Smart Request - Creates a new SmartRequest	
0317	Create Smart Request flow - Create a smart request without billing account	Smart Request - Creates a new SmartRequest	
0401	Withdraw Smart Request flow - Withdraw smart request - Wrong amount	Smart Request - Withdraws Smart Request	
0402	Withdraw Smart Request flow - Withdraw smart request - Already paid	Smart Request - Withdraws Smart Request	
0403	Withdraw Smart Request flow - Withdraw smart request - Wrong details	Smart Request - Withdraws Smart Request	
0404	Withdraw Smart Request flow - Withdraw smart request - Sent in error	Smart Request - Withdraws Smart Request	
0405	Withdraw Smart Request flow - Withdraw smart request - No longer needed	Smart Request - Withdraws Smart Request	
0406	Withdraw Smart Request flow - Withdraw partly paid SR	Smart Request - Withdraws Smart Request	
0501	Extend Smart Request flow - Approve extension with suggested date and allow for further extension requests	Smart Request - Grants dueDate extension	
0502	Extend Smart Request flow - Approve extension with suggested date and do not allow for further extension requests	Smart Request - Grants dueDate extension	
0503	Extend Smart Request flow - Suggest a new due date	Smart Request - Declines dueDate extension	
0504	Extend Smart Request flow - Decline extension request	Smart Request - Declines dueDate extension	
0601	Verify the details of the transactions	Smart Request - Retrieves a single SmartRequest	
0602	Verify outgoing requests	Smart Request - Retrieves all SmartRequests specific to a Participant	
0603	Request status changed to "Withdrawn"	Smart Request - Retrieves a single SmartRequest	

0604	Request status changed to "Declined"	Smart Request - Retrieves a single SmartRequest	
0605	Request status changed to "Closed"	Smart Request - Retrieves a single SmartRequest	
0606	Request status is "Blocked"	Smart Request - Retrieves a single SmartRequest	
0607	Request status changed to "Payment in Progress"	Smart Request - Retrieves a single SmartRequest	
0608	Part Payment Flow- Receive multiple part payments responding to same SR until paid in full	Smart Request - Retrieves a single SmartRequest	
0609	Decline SR Flow - Handling when payer blocks biller		

Biller Delivery

The 'CreateSmart Request' API for BillerDelivery will be available from mid-September. The API currently within the Ordo Sandbox is the one that supports 'SendViaOrdo' API. The construct and data content for this is almost identical to that for BillerDelivery, so can be used for initial analysis.

The Biller Delivery tests will be updated once the API is available within the Sandbox.

Test Number	Test Name	API	Complete (Y/N)	Notes
0101	Register Company Flow			Manual process via www.myordo.com
0102	Register charity Flow - charity register flow with Charity Number			Manual process via www.myordo.com
0103	Add an additional Participant			Manual process via www.myordo.com
0104	List of Participants linked to user			
0105	Update participant data			
0106	Update user data			
0201	Login Flow - Login using valid tokens and credentials	N/A		
0202	Login Flow - Login using invalid tokens and credentials	N/A		
0203	Logout Flow	N/A		
0301	Create a Smart Request flow - Create a Smart Request using phone number (No attachments)	Smart Request - Creates a new SmartRequest		
0302	Create a Smart Request flow - Create a Smart Request using email address (No attachments)	Smart Request - Creates a new SmartRequest		
0303	Create a Smart Request - Create a Smart Request allowing part payment	Smart Request - Creates a new SmartRequest		
0304	Create a Smart Request - Create a Smart Request allowing extension requests	Smart Request - Creates a new SmartRequest		
0305	Create Smart Request flow - Add a Document attachment - PDF	Smart Request - Creates a new SmartRequest		

		Document - Upload document in smart request platform		
0306	Create Smart Request flow - Add a Document attachment - PNG	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform		
0307	Create Smart Request flow - Add a Document attachment - JPG	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform		
0308	Create Smart Request flow - Add a Document attachment - Wrong File type	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform		
0309	Create Smart Request flow - Add a Document attachment bigger than 50 MB	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform		
0310	Create Smart Request flow - Create Smart request with multiple attachments - less than 10	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform		
0311	Create Smart Request flow - Create Smart request with multiple attachments 10 attachments	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform		
0312	Create Smart Request flow - Create Smart request with more than 10 attachments	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform		
0313	Create Smart Request flow - Create Smart request with multiple attachments totalling up to more than 50 MB	Smart Request - Creates a new SmartRequest Document - Upload document in smart request platform		
0314	Create Smart Request flow - Create Smart	Smart Request - Creates a new		

	request with 1 attachment with a file size bigger than 50MB	SmartRequest Document - Upload document in smart request platform		
0315	Create Smart Request flow - Due date cannot be in the past	Smart Request - Creates a new SmartRequest		
0316	Create Smart Request flow - 0 SR remaining	Smart Request - Creates a new SmartRequest		
0317	Create Smart Request flow - Create a smart request without billing account	Smart Request - Creates a new SmartRequest		
0401	Withdraw Smart Request flow - Withdraw smart request - Wrong amount	Smart Request - Withdraws Smart Request		
0402	Withdraw Smart Request flow - Withdraw smart request - Already paid	Smart Request - Withdraws Smart Request		
0403	Withdraw Smart Request flow - Withdraw smart request - Wrong details	Smart Request - Withdraws Smart Request		
0404	Withdraw Smart Request flow - Withdraw smart request - Sent in error	Smart Request - Withdraws Smart Request		
0405	Withdraw Smart Request flow - Withdraw smart request - No longer needed	Smart Request - Withdraws Smart Request		
0406	Withdraw Smart Request flow - Withdraw partly paid SR	Smart Request - Withdraws Smart Request		
0501	Extend Smart Request flow - Approve extension with suggested date and allow for further extension requests	Smart Request - Grants dueDate extension		
0502	Extend Smart Request flow - Approve extension with suggested date and do not allow for further extension requests	Smart Request - Grants dueDate extension		

0503	Extend Smart Request flow - Suggest a new due date	Smart Request - Declines dueDate extension		
0504	Extend Smart Request flow - Decline extension request	Smart Request - Declines dueDate extension		
0601	Verify the details of the transactions	Smart Request - Retrieves a single SmartRequest		
0602	Verify outgoing requests	Smart Request - Retrieves all SmartRequests specific to a Participant		
0603	Request status changed to "Withdrawn"	Smart Request - Retrieves a single SmartRequest		
0604	Request status changed to "Declined"	Smart Request - Retrieves a single SmartRequest		
0605	Request status changed to "Closed"	Smart Request - Retrieves a single SmartRequest		
0606	Request status is "Blocked"	Smart Request - Retrieves a single SmartRequest		
0607	Request status changed to "Payment in Progress"	Smart Request - Retrieves a single SmartRequest		
0608	Part Payment Flow- Receive multiple part payments responding to same SR until paid in full	Smart Request - Retrieves a single SmartRequest		
0609	Decline SR Flow - Handling when payer blocks biller			

Financial Institution

Test Number	Test Name	API	Complete (Y/N)	Notes
0101	Register Company Flow	User - Creates a new end user		Manual process via www.myordo.com
0102	Register charity Flow - charity register flow with Charity Number	User - Creates a new end user		Manual process via www.myordo.com
0103	Add an additional Participant	User - Creates Participant out of an existing user		Manual process via www.myordo.com
0104	List of Participants linked to user	User - Retrieve the list of participants associated to the user		
0105	Update participant data	User - Update information of existing participant		
0106	Update user data	User - Update information of existing user		
0201	Login Flow - Login using valid tokens and credentials	N/A		
0202	Login Flow - Login using invalid tokens and credentials	N/A		
0203	Logout Flow	N/A		
0701	Add a biller account to a participant	Registry - Creates a Participant biller account		
0702	Delete a biller account from a participant	Registry - Deletes a biller account		
0703	Get a list of all biller accounts for a participant	Registry - Get biller accounts associated with Participant		
0704		Registry - Get specific biller account information associated with Participant		
0705		Registry - Update biller account		