

NRL Pipe-Cleaning Test Plan

Version 2.2

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Introduction

This plan is an integration test plan to be run on the LIVE NRL and SSP instances during phase 2 of NRL rollout. Its purpose is to ensure that Providers can:

- Create, mark entered-in-error, supersede, and delete Pointers on the LIVE NRL instance (depending on interactions required for use case).
- Make documents available for retrieval via the SSP.

And Consumers can:

- Retrieve the Pointers created by Providers, using SCRa
- Retrieve documents via the SSP.

The plan requires coordinated activities on the part of Providers and Consumers. The plan will have a series of gates that block further execution until acceptance criteria have been met.

The NHS Digital Test Coordinator will run the testing activity liaising with personnel from the Provider and Consumer organisations involved in the test, advising them when to commence an activity and communicating status updates.

This document describes the individual test steps and the associated acceptance criteria and quality gates.

Test plan

Roles

The following roles are referenced in the test plan section below:

Role	Organisation	Description
Test Coordinator	NHS Digital	Initiates test steps and acts as the gatekeeper between steps
Provider Provider	Trust/Supplier	Required to create, update, supersede and delete (where appropriate) Pointers as defined in the test steps section
Consumer	NHS Digital/Ambulance Service	Required to query SCRa for the Pointer information present in NRL and to retrieve the record from the Provider system as defined in the test steps section

Summary

- 1. Each Provider will create 3 Pointers (Pointer A, Pointer B, and Pointer C), for test Patients A, B, and C respectively (as defined in Appendix > Test Data), and will load them into the LIVE environment (see Appendix > Environments).
- 2. Each Consumer will display all viewable pointers for the test patients.
- 3. Each Consumer that implements **record retrieval** will retrieve a document referenced by each of the Pointers.
- 4. Each Provider that implements the **supersede** interaction will supersede Pointer A with a new pointer (Pointer A').
- 5. Each Consumer will display all viewable pointers for the test patients.
- 6. Each Consumer will retrieve a document referenced by Pointer A'.
- 7. Each Provider that implements the **delete** interaction will delete Pointer B.
- 8. Each Consumer will display all viewable pointers for the test patients.
- 9. Each Provider that implements the **update** interaction will mark Pointer A' as "entered-in-error".
- 10. Each Consumer will display all viewable pointers for the test patients.

Notes

Any Pointers already held within NRL from previous iterations of pipe-cleaning can be safely ignored for the purposes of this test plan. These can easily be identified by their creation date.

Procedure

Property

- 1. Provider | Create Pointers
 - a. Providers create one Pointer for each of test Patients A, B, and C. Each pointer has the following properties:

Value

custodian	[Your ODS code]
author	[Your ODS code]
<pre>class.coding[0].code</pre>	734163000
<pre>type.coding[0].code</pre>	736253002
<pre>content[0].attachment.contentType</pre>	text/html
<pre>content[0].attachment.url</pre>	[Internet-accessible webpage]
content[0] format code	urn:nhs-ic:record-contact

In addition, the Pointers for Patients B and C each have the following properties:

Property Value

<pre>content[1].attachment.contentType</pre>	application/pdf
<pre>content[1].attachment.url</pre>	[SSP-accessible location of document]
content[1].format.code	urn:nhs-ic:unstructured

b. Providers inform the Test Coordinator of the outcome of those creation requests, i.e. success or failure.

Gate: All Providers successfully added two Pointers.

2. Consumer | Retrieve Pointers

- a. Test Coordinator asks Consumer to query SCRa to retrieve Pointers for Patient A, then Patient B, then Patient C.
- b. Consumer verifies that the following Pointer data is displayed for the given Provider for the respective Patients on the Record Locator tab within SCRa:

Patient	Creation Date	Record Type	Record Owner	Details
Α	[Current date]	Mental health crisis plan	[Name of trust]	1 × contact details
В	[Current date]	Mental health crisis plan	[Name of trust]	1 × contact details1 × document pointer
С	[Current date]	Mental health crisis plan	[Name of trust]	1 × contact details1 × document pointer

Figure 1 Contact details

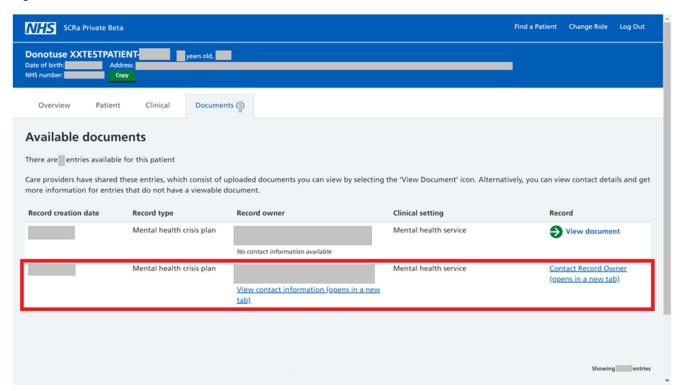
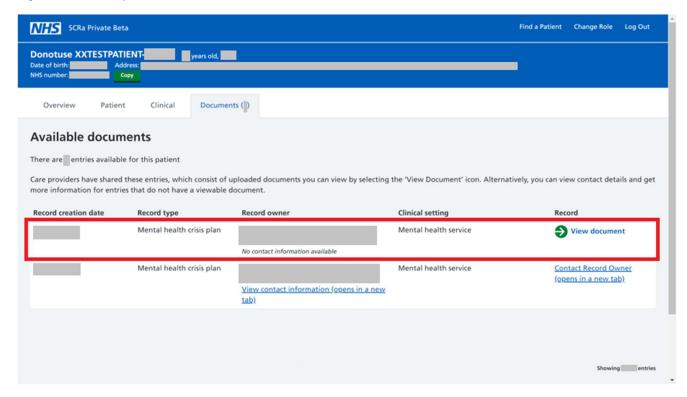


Figure 2 Document pointer



Note that there will likely be other pointers for patients A, B, and C that have been previously created by other providers. Therefore, it is important to use the "Record Owner" field to identify the correct provider for any given test.

c. Consumer informs the Test Coordinator as to whether the above Pointer data was displayed in SCRa for each patient. Please include screenshots to confirm this.

Gate: All 3 Pointers displayed in SCRa.

- 3. Consumer | Retrieve Records
 - a. Consumer views the Records for Patients B and C in SCRa.
 - b. Consumer informs the Test Coordinator as to whether the records are displayed correctly (exact contents will vary depending on the test documents uploaded). Please include screenshots to confirm this.

Gate: Expected Records displayed as expected in SCRa.

Figure 3 Link to view document

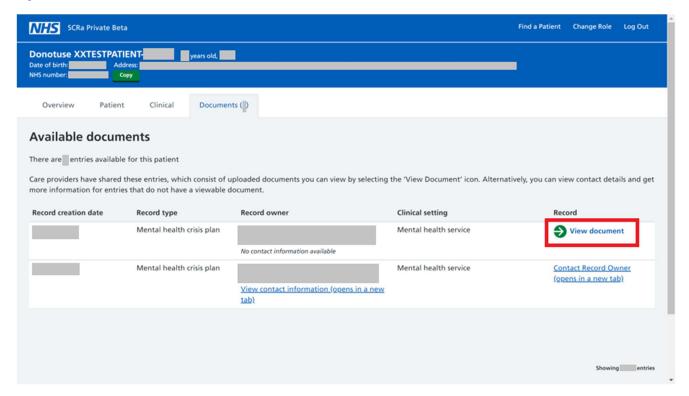
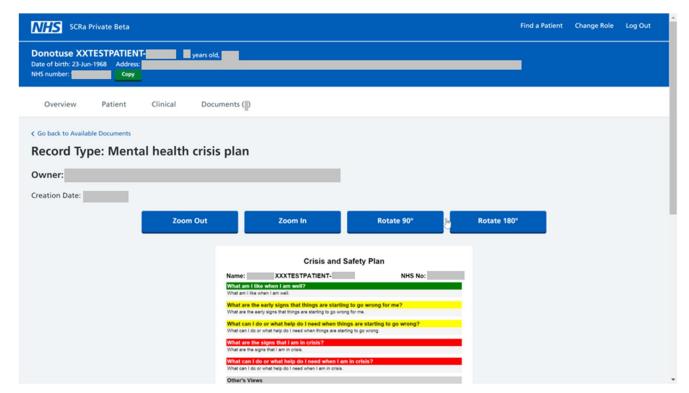


Figure 4 Document view (example)



4. Provider | Supersede Pointers

a. Providers who implement the **supersede** interaction supersede the Pointer for Patient A. The new pointer must have the following additional properties compared to the superseded version:

Property Value

<pre>content[1].attachment.contentType</pre>	application/pdf
<pre>content[1].attachment.url</pre>	[SSP-accessible location of document]
<pre>content[1].format.code</pre>	urn:nhs-ic:unstructured

b. Providers inform the Test Coordinator of the outcome of those supersede requests (success or failure).

Gate: Relevant Providers successfully superseded a Pointer

- 5. Consumer | Retrieve Pointers
 - a. Test Coordinator asks Consumer to query SCRa to retrieve Pointers for Patient
 A.
 - b. Consumer verifies that the following Pointer data is displayed on the Record Locator tab within SCRa:

Patient	Creation Date	Record Type	Record Owner	Details
A	[Current date]	Mental health crisis plan	[Name of trust]	 For the given Provider: 1 × contact details 1 × document pointer (referencing the record added in step 4).

c. Consumer informs the Test Coordinator as to whether the new Pointer data was displayed in SCRa for Patient A. Please include a screenshot to confirm this.

Gate: New Pointer data is displayed in SCRa for Patient A.

- 6. Consumer | Retrieve Records
 - Consumer views the Records for Patient A in SCRa.
 - b. Consumer verifies that the newly-referenced document is displayed correctly (exact contents will vary depending on the test document uploaded).

Gate: Expected Record displayed as expected in SCRa.

- 7. Provider | Delete Pointers
 - a. Providers who implement the **delete** interaction delete the Pointer for Patient B.
 - b. Providers inform the Test Coordinator of the outcome of the delete request (success or failure).

Gate: Relevant Providers successfully deleted a Pointer.

- 8. Consumer | Retrieve Pointers
 - a. Test Coordinator asks Consumer to query SCRa to retrieve Pointers for Patient
 B.
 - b. Consumer verifies that *no Pointers are displayed* for the given Provider.
 - c. Consumer informs the Test Coordinator as to whether Pointers were displayed for Patient B. Please include screenshots to confirm this.

Gate: No Pointers for Patient B displayed in SCRa for the given Provider.

- 9. Provider | Update Pointers
 - a. Providers who implement the update interaction mark the Pointer for Patient A
 as "entered-in-error".
 - b. Providers inform the Test Coordinator of the outcome of the update request (success or failure).

Gate: Relevant Providers successfully updated a Pointer.

10. Consumer | Retrieve Pointers

- Test Coordinator asks Consumer to query SCRa to retrieve Pointers for all 3
 Patients.
- b. Consumer to verify that the following Pointer data is displayed for each Patient on the Record Locator tab within SCRa (note that the order may be different):

Patient	Creation Date	Record Type	Record Owner	Details
Α	No Pointers displayed for the given Provider			
В	No Pointers displayed for the given Provider			
С	[Current date]	Mental health crisis plan	[Name of trust]	-

c. Consumer to inform the Test Coordinator as to whether the above Pointer data was displayed in SCRa. Please include screenshots to confirm this.

Gate: Only 1 Pointer, for Patient C, is displayed in SCRa for the given Provider.

- 11. Provider | Cleardown (optional)
 - a. Providers delete the remaining Pointer for Patient C.

This step may be skipped if the Provider wishes to leave a Pointer available for future debugging of record retrieval.

Gate: All pointers have now been removed.

- 12. Test Coordinator | Verify and complete testing
 - a. Test Coordinator verifies that testing is complete (0 or 1 Pointers viewable in SCRa for each Provider, depending on whether they completed Cleardown).
 - b. Test Coordinator communicates to all Providers and the Consumer that testing is complete and that no further action is required on their part.

End of test plan

Appendix

Test data

Patient	NHS Number	Date of Birth	Family Name	Given Name	Gender
A	9990536392	23/06/1968	XXTESTPATIENT- TEWW	DONOTUSE	Male
В	9990569126	06/10/1997	XXTESTPATIENT- TJHH	DONOTUSE	Female
С	9990569061	08/10/1956	XXTESTPATIENT- TJHD	DONOTUSE	Female

Environments

NRL	https://clinicals.spineservices.nhs.uk/STU3/DocumentReference
SCRa	https://portal.national.ncrs.nhs.uk/portal/
SSP	https://proxy.national.ncrs.nhs.uk