

G-Cloud Service Definition

NEC Registry as a Service

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G-Cloud NEC Registry as a Service

Service Definition

This Service Definition is relevant to organisations responsible for the collection and analysis of data relating to the treatment of defined patient cohorts and the tracking and analysis of their outcome following treatment. The service is provided by NEC Software Solutions (NEC).

The NEC Registry as a Service Standard G-Cloud Service is available as:

- NEC Registry as Software as a Service (SaaS)
- NEC Registry Private Cloud (an on-premise, or separately procured, private cloud).

Overview of G-Cloud Service

NEC Health's Registry as a Service (RaaS) provides a scalable Registry solution for the healthcare sector to record clinical data regarding patient treatments, to monitor the outcomes of medical interventions and to use the data collected to monitor the delivery of safe and effective patient care.

NEC RaaS has been designed with easy-to-use functionality and secure data storage. We have active deployments delivered over both cloud and the Health and Social Care Network. The Registry reporting dashboard provides feedback to health professionals, health organisations and the MedTech industry.

The core modules included with NEC RaaS are:

1. Registry Builder

This comprises:

- **Registry Meta Data**

This area allows detailed information relating to the purpose of the registry, governance procedures, contact details and key links to supporting documentation to be entered. For example, NICE guidance and Royal College Guidance.

- **Registry Data Capture Builder**

The data capture builder allows the build of the registry forms in accordance with the minimum data set (MDS) for the specific intervention area whether surgical, treatment or therapy based. Forms are built to support the structured capture of data in compliance with the registry specification and permit data entry via online submission or secure API upload.

- **Registry Data Quality Manager**

The data quality manager defines the specific business rules to be applied to each data set to constitute a valid registry submission. This includes definition of mandatory and optional fields, constrained list selections and conditional logic.

2. User Administration Module

This comprises:

- **System Administrator Set Up**

The system administrator has administrative rights to all areas of the user administration module. They also authorise all new users to the system. They have the facility to assign permissions, roles and rights to other classes of user across the modular system.

- **Health Care Professional Set up**

Health Care Professional set up enables the system administrator or authorised users to set up their health care professional status by type (for example, Clinician, Surgeon, GP, Nurse and Registrar) and associated demographic, professional and organisation information.

- **Organisation Set Up**

The system administrator uses this area to set up hierarchical organisation data for health care facilities with a relationship to the Registry intervention area. There is the facility to record the NHS unique ODS codes to support future data linkage.

- **Patient Cohort Set Up**

This area of the system allows the patient cohort(s) relevant to the intervention area to be defined and its specific properties recorded. There is a secure relationship between patient cohort set up and the registry data builder to ensure the correct data capture areas are presented to the correct users.

3. Reporting Module

A comprehensive suite of reporting and analytics available to healthcare professionals, healthcare providers, registry leads and authorised external parties through role-based access rights. Data and reports may be displayed by healthcare professional, organisation or user-defined patient cohort for a user defined period and includes full data export functionality for authorised users.



Elaine Young, Director of Operations – National Joint Registry

The secure storage, analysis and confidential reporting of patient level data is at the heart of our operation. Patients can be assured that their data is safeguarded under strict governance guidelines, but importantly that we use their data appropriately to monitor the safety of implants, surgeons and hospitals for the early identification of any issues. We continue to work closely with NEC in delivering the NJR, now considered a 'global exemplar' for registries.

Optional and Complementary Modules

NEC RaaS is designed to scale and integrate with the following optional modules:

- **Benchmarking analysis:** Provision of benchmark reporting allowing healthcare organisations to gain insights into their local case-mix, activity and outcomes in comparison to national average and expected values.
- **Patient Reported Outcome Measures (PROMs):** These assess the treatment outcome from the patient perspective. They support the calculation of health gains after medical intervention via pre and post-operative surveys. We offer both digital and paper-based survey options.
- **Medical Device / Product Database (PIM):** A module to support the capture, classification and management of unique products or implants used within treatments including the ability to import manufacturer product information.
- **Data Integration Services:** Provision of services supporting integration of data from approved external sources enhancing clinical insight into outcomes.
- **Personal Demographic Services (PDS):** This module allows your Registry to interface with the NHS PDS, the national electronic database of NHS patient details such as name, address, date of birth and NHS number. This facilitates improved data quality within a Registry by removing the need for the system administrator or patient cohort to re-enter data already held in health care systems.

Technical Requirements

The Registry as a Service Solution is a cloud-based, web-hosted application, therefore only requires a local device running a web-browser.

Service Management

Our Service Delivery Team will provide Service Management responsibilities. You will be assigned a named Contract Manager who will oversee operational service delivery and client relationship management.

The service management centre will be available Monday to Friday between 09:00 and 17:30 and will provide assistance with reporting, incident escalation and change management requirements.

NEC also has a 24x7 helpdesk facility if required.

Ordering and Invoice Process

If you wish to order these Services, a G-Cloud Order Form will need to be completed and signed by both parties.

Request a Demonstration

We will be pleased to demonstrate NEC Registry as a Service to you. Please email frameworks@necsws.com to request a demonstration.



✉ frameworks@necsws.com

🌐 necsws.com

🐦 [@nec_sws](https://twitter.com/nec_sws)

About NEC Software Solutions
Our customers change lives, so we create software and services that get them better outcomes. By innovating when it matters most, we help to keep people safer, healthier and better connected worldwide.

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