

G-Cloud Service Definition

NEC Newborn Hearing Screening Programme S4H
SaaS

Crown
Commercial
Service
Supplier

G-Cloud NEC Newborn Hearing Screening Programme S4H SaaS

Service Definition

This service definition is relevant to all NHS and Approved Screening Service providers of the England, Wales, Scotland and Northern Ireland Newborn Hearing Screening (NHSP) Screening Programmes.

The NEC Housing Standard G-Cloud Service is available as:

- NEC Housing Software as a Service (SaaS).

Service Overview

S4H SaaS is a screening and referral management, and reporting system. The S4H SaaS has been developed to comply with the NHS NHSP Screening Programme's protocol and standard operating procedures, providing facilities for:

- Loading and management of the newborn cohort through several interface options including the PDS demographic feed and the CHI index.
- Producing 'failsafe' cohort lists of newborns to be screened allowing local programme management to monitor and track the status of each baby within their cohort along the screening and referral pathway.
- Recording of consent.
- Automated downloading of screening test results from a range of screening equipment types.
- Calculating, Recording and Reporting screening outcomes.
- Exporting of screening outcomes through a number of options including the new FHIR standards.
- Recording and Reporting Referral outcomes for newborns referred for diagnostic assessment.
- Storage, retrieval and viewing of the screening equipment waveforms relating to the screening tests.
- Communications with parents and healthcare professional through automated letter generation, messaging and data exports options.
- Extensive reporting and performance management services.

Primary modules and functionality consist of:

Cohort Management:

- Providing a National Cohort of all newborns to be screened
- Maintaining demographic details
- Entry of test results, diagnostic results
- Consent recording
- Audit trail maintenance.

Alerts:

- Notification of events that need attention such as newborns awaiting screening and newborns requiring diagnostic appointments.

Test Result Management:

- Automated capture of Test Results from the screening equipment.
- Automated matching of Test Results to cohort records.
- Automated calculation of which protocol stage test results relate to.
- Input of Diagnostic assessment results through a comprehensive paediatric audiology module.
- Identification and alert of missing test results / diagnostic data.

Worklist Management and Transfers:

- Cohort automatically allocated to screening programmes.
- Failsafe lists showing the screening / diagnostic pathway status of each newborn by programme.
- Comprehensive Transfer function enabling newborns to be transferred between screening programmes.

Outpatient and Diagnostic Appointment Management:

- Clinic creation
- Booking of appointments
- Cancellation and re-booking of appointments
- Criteria-based selection of records requiring appointments.

Letters:

- Comprehensive suite of letters triggered by pathway events, for example, screening complete, follow-up screening appointment required, referral required, outpatient and diagnostic clinic appointments.
- Letters assigned to events.
- Production of letters.
- Criteria based filtering of letters (for example, recipient type, letter topic and clinic).

Quality Assurance (QA):

- Protocol Adherence checking and Protocol Breach notification.

Security:

- Role based access with the ability to fine tune to local requirements.

Search:

- Criteria based searching (For example, name, number, age, address, GP, status, results and export of data items associated with search results).

Reporting:

- Data warehouse for standard and ad hoc reporting
- Standard reports posted and available with S4H
- Subject mapping based on, screening programme, demographics or protocol stages.

Interfaces:

- Newborn Registration and Notification Systems, providing automatic cohort listing.
- SEDQ (screening equipment data quality) interface to all of the key screening equipment manufacturers enabling automated results capture.
- Screening Outcome interface using FHIR messaging to enable screening results sharing with GP and Child Health systems.

Documentation:

- Training Podcasts and User guides available electronically within S4H.

Buyer Responsibilities

To onboard S4H SaaS the Buyer will need to:

- Provide details of their screening catchment area, for the appropriate cohort to be mapped.
- Define:
 - Screening and Audiology facilities where screening and diagnostic assessment takes place.
 - Letter templates.
 - Screening coverage for cohort allocation.
 - Reporting requirements.
 - Mapping of GP practices to the programme.
- Supply details of users and their roles to enable the correct access rights to be applied to enable users to effectively and securely use S4H SaaS to manage and run their screening programme.
- Supply, manage and support workstations and screening equipment to access S4H SaaS.
- Provide contact details for system administration, data protection and security.

The Buyer is responsible for:

- Ensuring suitable controls in terms of access to sensitive data held within S4H SaaS through setting authorised users up with appropriate security access.
- Providing the Technical Environment which is in compliance with requirements to access the S4H SaaS, this will be confirmed during the initial onboarding assessment.
- Maintaining a written list of current authorised users and providing this list to the Supplier, as may be reasonably requested, from time to time.

- Ensuring each authorised user keeps a secure password for his/her use of S4H SaaS and/or any other part of the Services and the password is changed no less frequently than every 90 days (or, if the Authorised User fails to change such password no less frequently than every 90 days, at the first opportunity thereafter) and each authorised user keeps his / her password confidential.

Ordering and Invoicing 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 would be pleased to demonstrate NHSP S4H Software SaaS to you. Please email frameworks@necsws.com to request a demonstration.

NEC

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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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