



PATIENT CARE WORKFLOW GUIDE

SignalNED: EEG Capture, Quantitative Review, and Clinician Sign-off

A clinical workflow brief for device operations, patient management, EEG analysis views, findings, and audit history.

Intended audience

Neurology, emergency and stroke program leaders, EEG operations, clinical engineering, compliance, and IT

Scope

Product and workflow information grounded in supplied Rainscales materials. Not clinical guidance or a regulatory statement.



Workflow at a glance

SignalNED is described as an AI-assisted EEG workflow spanning enrolled-device management, patient and test management, EEG capture, quantitative review, findings, clinician sign-off, and audit history.

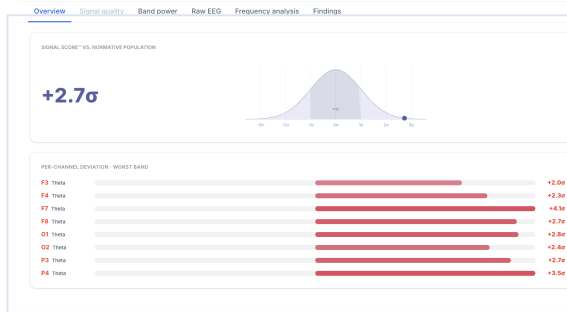
The supplied materials support workflow and interface descriptions. They do not substantiate diagnostic accuracy, time-to-treatment improvement, autonomous triage, patient outcomes, or regulatory status.

1. Prepare	Confirm enrolled-device identity, availability, assignment, and connection state.
2. Select patient	Locate the patient, review test history and status, and initiate a new capture.
3. Acquire EEG	Capture the recording and review live waveform and signal-quality context represented in the interface.
4. Analyze	Move through overview, band-power, raw EEG, frequency-analysis, and findings views.
5. Sign and audit	Record the clinical impression and sign-off while retaining read-only workflow history.

The interface supports human review. It does not establish diagnostic accuracy, clinical efficacy, regulatory clearance, integration support, or product availability.

Product workflow in view

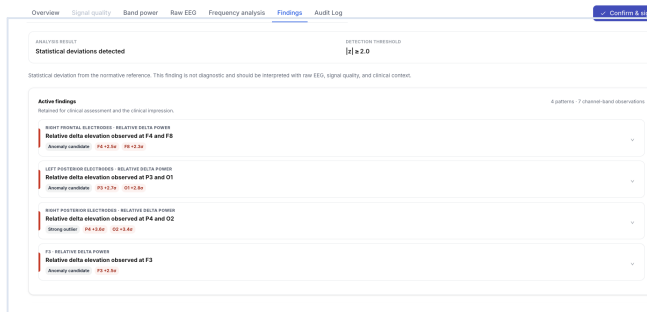
The supplied interfaces below show the workflow stages described in this guide.



Statistical overview: deviation context presented for clinician review alongside the underlying study.



Raw EEG: source waveforms remain available for clinical inspection and event labeling.



Findings: surfaced EEG findings organized for confirmation, clinical impression, and sign-off.

Product modules

Device Management

Fleet enrollment, identity, availability, assignment, and connection health across configured locations.

Patient Management

Patient roster, EEG test history, test status, and capture initiation.

Test Data Analysis

Statistical overview, quantitative band-power views, raw EEG playback, frequency analysis, findings, clinical impression, and sign-off.

Audit Trail

Read-only organizational history of device and test events as described by the supplied catalogue.

Operational detail

- The Overview presents statistical deviation against an age-matched normative population, including a Signal Score represented as a z-score and per-channel worst-band deviation. Clinical meaning and thresholds require validation.
- Band Power is represented through quantitative EEG topography, a channel-by-band matrix, and a delta/alpha ratio. These are review aids, not stand-alone diagnoses.
- Raw EEG and frequency-analysis views provide access to source waveform and spectral context. Reviewers can label relevant portions as artifacts, states, or events.

Implementation discussion guide

Use these questions to define scope before treating the interface as a production workflow.

- What is the intended use, target population, and care setting for the deployed configuration?
- How were normative data, statistical thresholds, and surfaced findings validated?
- Which roles may acquire, review, edit labels, sign, or audit a study?
- What regulatory status and claims are approved in each target market?

Governance and validation

- Define clinical and operational ownership for every state, exception, escalation, and sign-off.
- Validate the workflow with representative users, devices, environments, and edge cases.
- Document privacy, security, retention, access, audit, downtime, and change-control requirements.

Review required before external use

Clinical and regulatory review is required for all diagnostic, triage, normative-reference, threshold, performance, timing, outcome, and regulatory-status language.

Review the workflow with Rainscales

Use this guide to structure a review with clinical, operational, privacy, security, and regulatory stakeholders.



Primary supplied sources: SignalNed_Catalogue(4).docx, SignalNED_Landing_Page_Blueprint (2)(2).html, and the approved Stroke Triage webpage.

No performance metrics, clinical outcomes, customer results, regulatory approvals, named integrations, or deployment timelines are asserted in this guide.