Stratus EEG Release Notes

Software Version 5.1

What's New in Version 5.1?

Version 5.1 is focused on the Acquire software. The Web software is also upgraded, but only for issue fixes and fine-tuning, no new functionality.
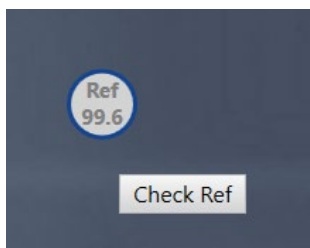
Support for USB Cameras

Ability to use USB cameras rather than IP cameras has been added. Note that this functionality is tested on the Lifelines USB camera and may not work for generic USB cameras. ER#12290.

ABM StatX24 amplifier

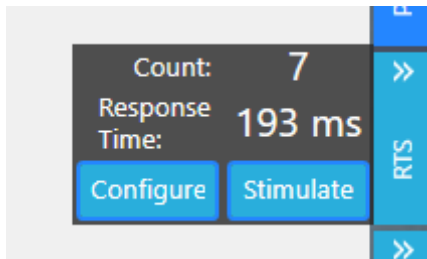The ABM StatX24 amplifier can be used to record with the Acquire software. ER#13437.

Impedance test for reference electrode

It is now possible to measure impedance on the reference electrode for Lifelines R40, T4 and T4A provided that that issue of the amplifier supports this function. This is done by pressing

the „Check Ref" button during impedance test. Note that impedance on Ref cannot be tested at the same time as on the electrodes. ER#13238.
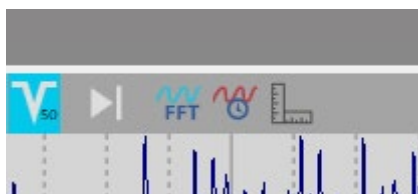
Response timer

The response timer measures the patient's reaction time. The operator initiates the test by pressing the „Stimulate" button. This triggers a audio signal and the patient is supposed to respond by pressing the event button. The time between the stimuli and the button press is measured and indicated as the duration of the Reaction Time event. The Response timer is controlled from the Panel.

By defining the Reaction Time event as a report event, it is easy to make report templates showing a list of reaction time tests. ER#17930.
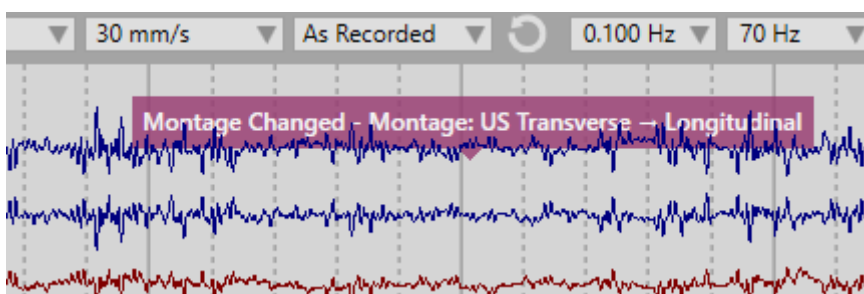
Trend Templates

Trend Templates defined in WebCentrum can be applied in Acquire. ER#16369.

Measurement Tools

The frequency and time domain measurement tools have been made available in Acquire review pane. ER#14536.
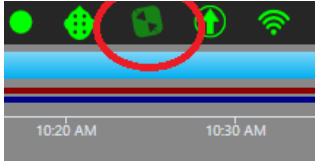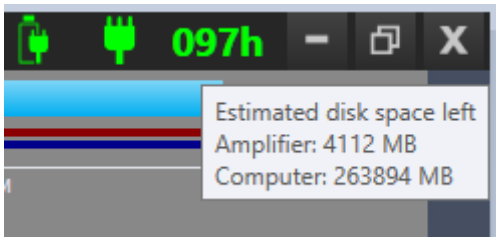
Event on settings change

If setup or format is changed, an event is inserted with a description of the change. ER#17239.

Remote Control indication

When a remote control is ongoing, the „Control" indicator blinks, both in operator mode and on the lock screen. Hovering over the indicator, a tooltip further explains that remote control is ongoing. ER#17196.
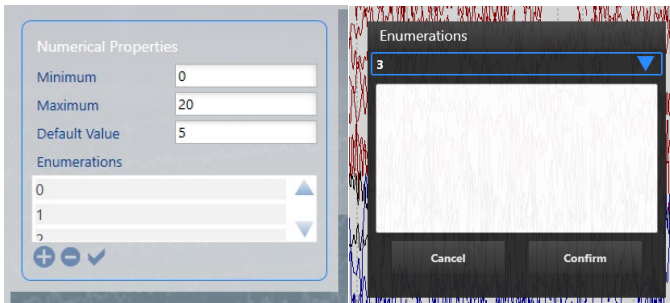

Amplifier data card indication

An indicator shows how much space is left on the amplifier memory card as hours and as MB on the tooltip. ER#17420.

Enumeration events

Events can be defined as "Numerical" events in the event editor. This can be further customized.

When the event is inserted in Acquisition, popup allows the user to set the value for the event. ER#17515.

Preview before record option

Acquire can be set to start up in preview mode rather than starting immediately to record. This is controlled by a parameter in the „Parameters" table in the configuration database and it is called „ StartRecordingEEGParameter" (GUID: D654B48D-AEA4-4657-B2DB-6425A5CAD107). The parameter can be set globally for the server through the server config database, or locally by changing the local database. ER#17254.

Notch filter

The notch filter has been improved to filter out harmonics of the 50/60 Hz interference. The new filter is a 3rd order Butterworth filter. The width of the stop-band and the number of harmonics to remove can be configured in the config database.

This new filter is in particular useful when recording on high sampling frequencies where

Parameter	GUID	Value
NotchType	76CE6902-D61D-46B5-8ACA-77DDE41D8A2A	0 = old filter 1 = new filter
NotchHarmonicMax	C7EB3FAF-CED5-4379-AEF9-BBA5311569F3	The max number of harmonics filtered. Should be between 1 – 10.
SixthOrderButterworthIIRWidth	4D4CD6AD-822A-4F04-B1C6-E54DD67C938A	The width in Hz between the 3 dB attenuated frequencies

Minor enhancements

- Popup to confirm modification of patient information. ER#16512.
- Shortcut key for deblock changed from *Enter* to *Ctrl+D*. ER#17168.
- UK representative information in About box. ER#18325.
- Translation of About box. ER#18449.

Fixed Issues

Issue #	Deliverable	Issue Subject
15354	Acquire	Patient banner in Acquire
15776	Acquire	Fluctuating battery % on T4A's
16545	Acquire	When amplifier is set to dual, records to PC but not to card the amp is reported offline
17323	Acquire	Negative duration in duration HV and Post HV events
17575	Acquire	Not all video files are attached to EEG and available in review

17590	Acquire	Manually stopping exam upload prevents export of the local Acquire data
17607	Acquire	Patient ID issue
17708	Acquire	Online transfer slow after disconnect to network
17814	Acquire	Upload fails if there is no space to export exam on acquisition system
17846	Acquire	Power loss fails to correctly display time using Armcrest cameras
18266	Acquire	Edit Trend not displaying correct data
18318	Acquire	Event keyboard shortcuts not working while the Photic window is visible.
17161	Centrum	Word-plugin pop-up during installation should be removed
17568	Centrum, Server	Failure to import all event if the first BDF file is not selected
14608	Review	Double-click an exam to review skips a custom workflow state
15799	Review	NicoletOne data conversion issues
16069	Review	Signum reader log file on client system displays Patient ID
17535	Review	amplifier setup only shows EEG channels but not poly channels
18397	Web Centrum	The default font in HTML formatted boxes does not match the rest of the reports
18402	Web Centrum	Not possible to add electrodes in the EEG Electrodes tab
18405	Web Centrum	Sensitivity unit in Perspective
18415	Web Centrum	Phone number character restriction
18456	Web Centrum	Session token fails to expire in Firefox
18462	Web Centrum	Adding workflow state to an exam type
18469	Web Centrum	Sorting of Exam Type dropdown
18493	Web Centrum	Monitoring Log for Exam access restrictions
18523	Web Centrum	Incorrect billing information

18534	Web Centrum	SSO & Send Exam Link do not work together
18542	Web Centrum	StratusEEGToGo continuously opens the command prompt window
18588	Web Centrum	States missing in Upload, demographics, Contact
18590	Web Centrum	My Settings, specialty dropdown should be alphabetically ordered
18592	Web Centrum	Medications, other option Issue when cancel is clicked
18598	Web Centrum	Documents should be in chronological order
18599	Web Centrum	ISO File Export Popup
18651	Web Centrum	Pre-known Disorders field missing in report
18720	Web Centrum	Inactivity period dialog, logout button not working
18728	Web Centrum	Montage duplicate is incorrect
18417	Web Review	Sensitivity and filters dropdown list behaviour
18422	Web Review	Incorrect channel names displayed in Web Review when only a subset of channels is selected
18718	Web Review	Minor gridlines too heavy