SKF @ptitude Observer v13.2.1 release summary

Requirements

Software and FW requirements

- Recommended IMx-1 GW firmware version – 3.5
- Recommended IMx-1 Sensor firmware version – 3.4
- Recommended IMx firmware version – 7.8

Resolved bugs

- VSTS#296525 – Resolved an issue with the **Set Speed** function in the FFT plot, which is causing unhandled exceptions for a few UI languages

- VSTS#301321 – Resolved bug in **Multiple Point Update Wizard**, which causes application crash after an attempt to update F1 type parameter in Dynamic Envelope Order tracking points

- VSTS#310220 – Resolved an issue with the **Calculated Machine Speed** feature when post-processing sometimes not finishing for the **External speed input** option

- VSTS#253430 – Resolved an issue when **Auto scaling** in **Trend Plot** does not consider custom band's trend values

- VSTS#304345 – Resolved an issue with parameter **Max.numbers of measurements** for diagnosis recalculations (Options/Data), which always applies as hardcoded 40000 and can cause performance issues in large databases. Now editing of this parameter works as it should

- VSTS#303239 – Resolved an issue with Modbus Export function, which is preventing F1-F5 data sharing in case Custom Bands enabled in IMx8 point

- VSTS#337988 – Software speed on machine parts does not work for Microlog points in Observer 13.2

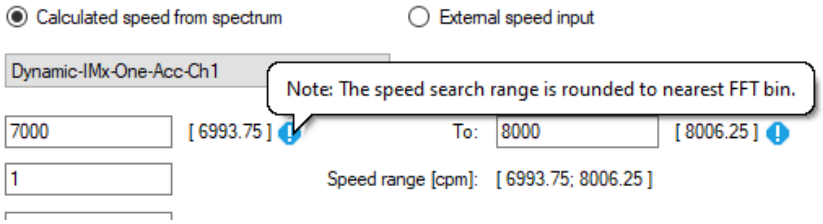
- VSTS#337988 – Fixed an issue where Microlog points would no longer receive speed values if they came from a software derived speed point

Enhancements and optimisations

- VSTS#304346 - Optimisation of Alarm list handling in Observer makes Acknowledging Alarms process several times faster.

- VSTS#304399, 304402 - Optimisation of IMx-1 sensor configuration handling in Observer, which before caused high consumption of RAM and enormous load for SQL Server for large installations with few hundreds of IMx-1 sensors per database.

- VSTS#306721 – Small UI changes of Machine Speed tab UI



Rail Track Monitoring features

Web client

- VSTS#254300 – The map does not zoom out and stays at the same zoomed points in Google maps if the user re-applies the filter
- VSTS#303845 – Travel direction of measurement points to be shown in noise monitoring application (requires IMx FW 7.8) filter

Phoenix API

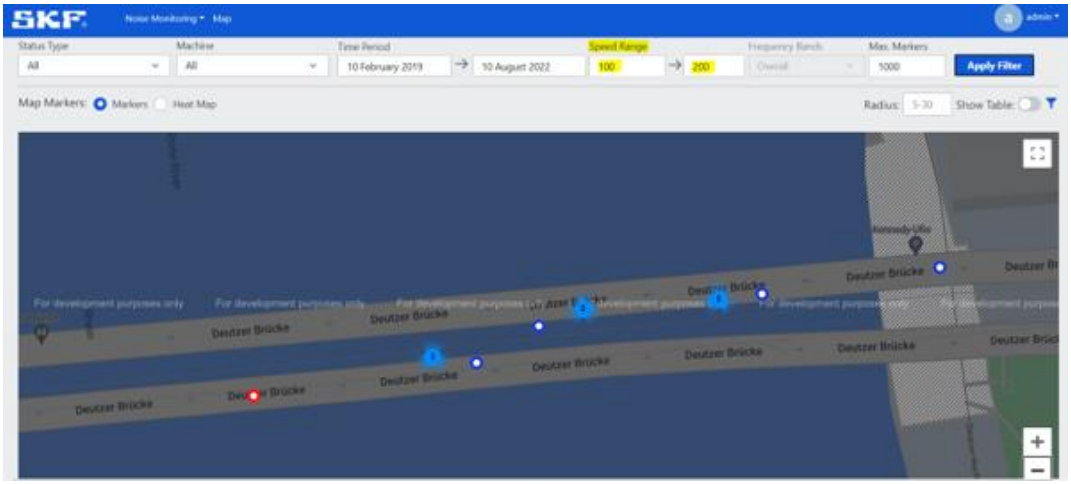
- VSTS#180734 – API changes to fetch direction from firmware and return to web client in Noise monitoring application

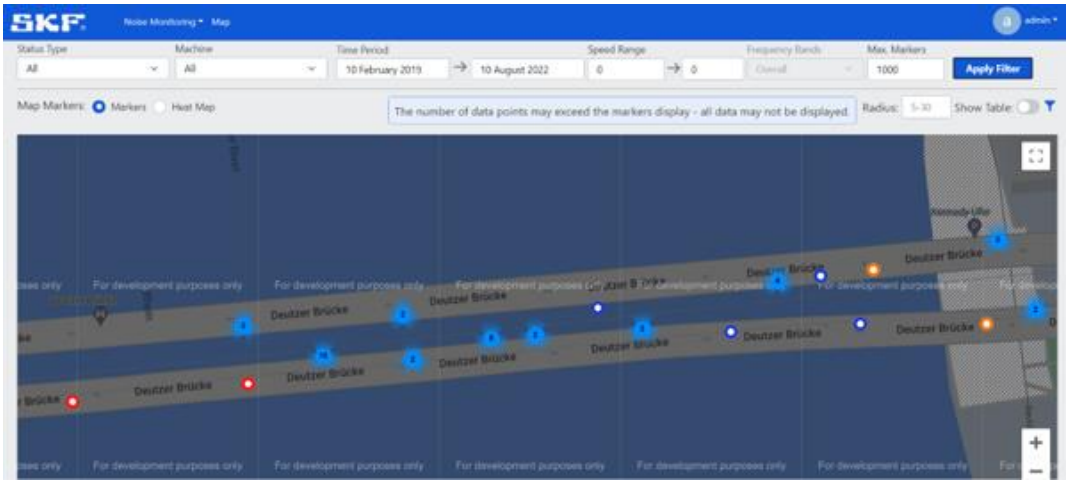
Bug Fixes (Web client)

- VSTS#302319 – Metro: Record correction action is unable to save the action for Defect not fixed
- VSTS#303477 – The calendar is hiding behind the banner

The map does not zoom out and instead stays at the same zoomed points in Google maps if the user re-applies the filter

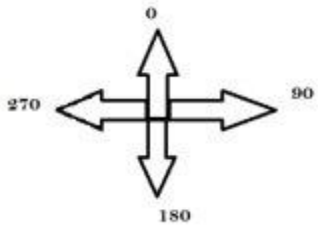
If the user zooms in for a particular measurement point and then changes any of the filter settings and re-applies the filter option, the Google map zooms out, and all the measurement points would appear. Instead, the map should stay at the same zoomed points and disappear if it does not fall under the conditions of the applied filter.



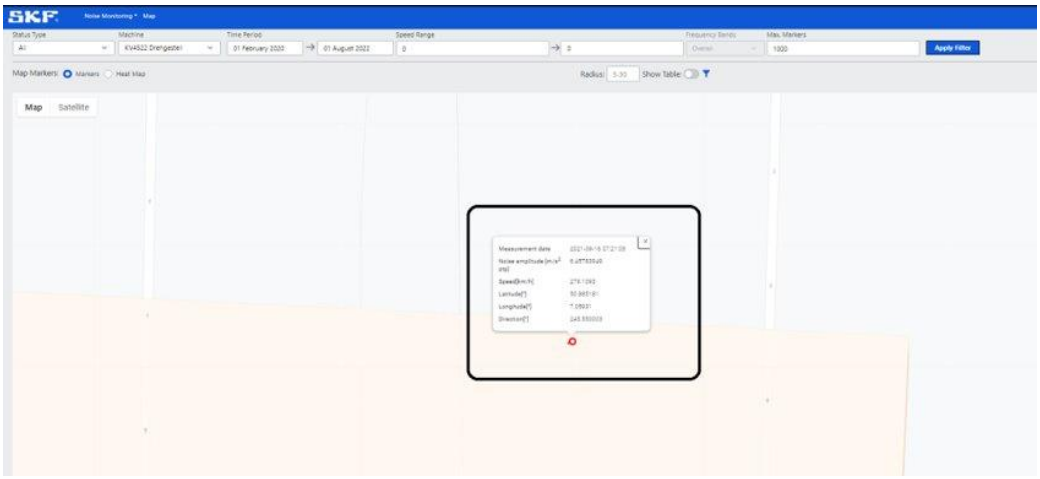


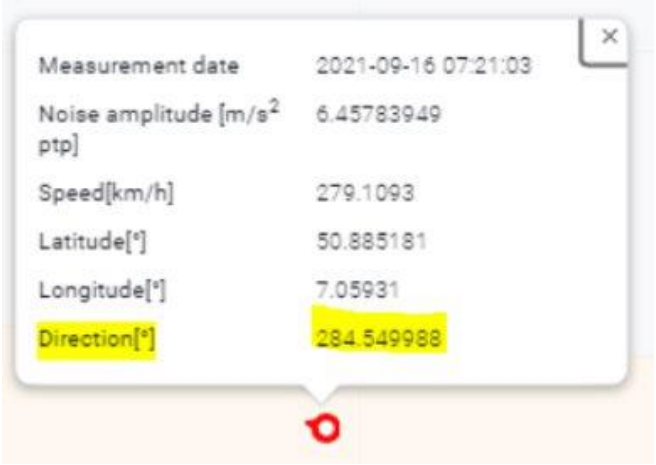
Travel direction of measurement points to be shown in noise monitoring application

For the noise monitoring application, the users can now also see the direction in which the tramway travels. The measurement point, if zoomed, has a pointed arrow that indicates the direction in which the vehicle is moving.
The direction is indicated, keeping the below thumb rule in consideration.



This is how the points would look in the web client and on hover. The measurement details popup also displays **Direction** as a newly added parameter.



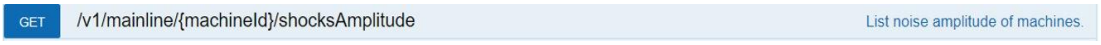


API changes to fetch direction from firmware and return to web client in Noise monitoring application

Firmware changes were done to add the direction of travel in the GPS location (requires external communication module GPS50M) and return in the **gpsloc** parameter.

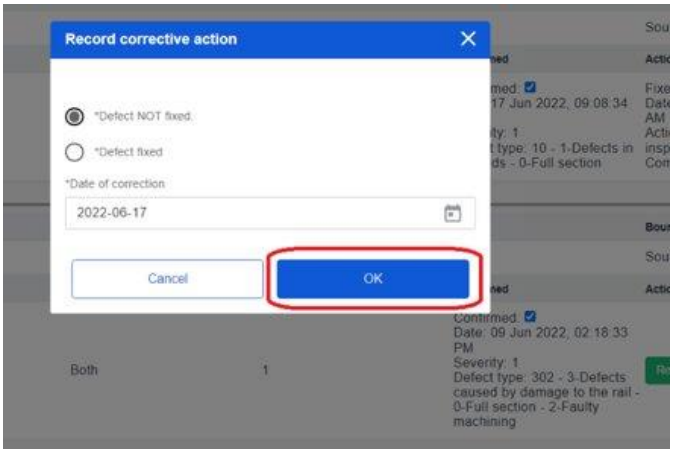
IDMeasurement	Comment
393268	+50.937247+006.971142+0057/01.2/055613/011.7/031.4
393267	+50.937142+006.971061+0060/01.4/055611/014.9/046.9
393266	+50.937061+006.970916+0061/01.4/055609/017.2/050.3
393265	+50.937018+006.970823+0062/01.2/055608/016.4/056.2

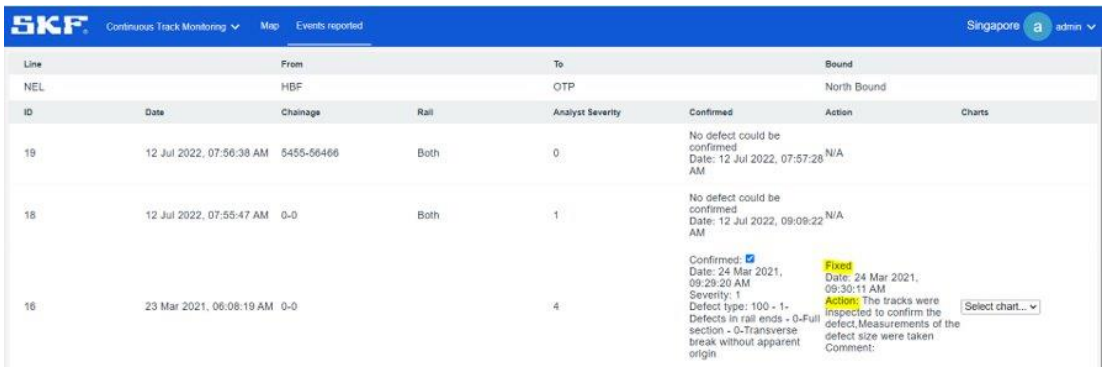
Related API changes arere done in the **shocksAmplitude** to fetch this direction from **MeasurementInformation** table and return so that this parameter can be used to display the direction of travel of these points in the corresponding Noise monitoring web application.



Metro: Record correction action is unable to save the action for “Defect not fixed”

Application was unable to save the "record correction action" for defect not fixed, which is now resolved.

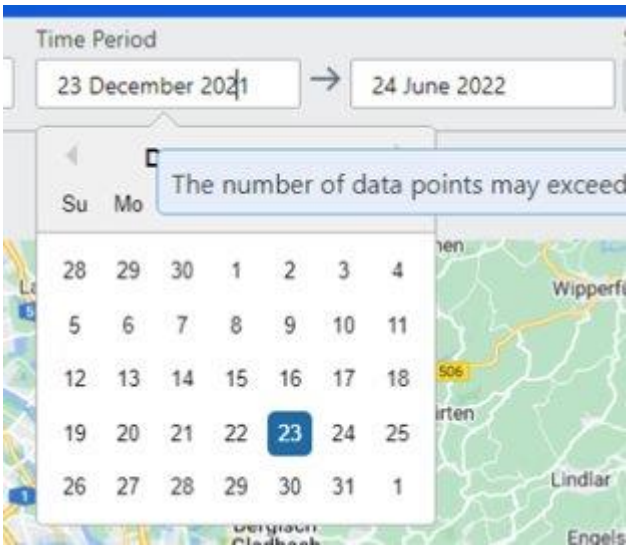




Calendar was hiding behind the banner in Noise monitoring application

The user was unable to modify the month from the banner because it was hiding behind the banner, which is now resolved.

Before:



After: