

Introducing the Event Uplift

Guardian Live Version 25

AutoSense
DRIVING SAFETY



SEEING MACHINES
AUTHORISED
DISTRIBUTOR



Guardian Live Event Uplift

Data that's redefined:

Easier to interpret

Clearer definitions, less ambiguity and more interpretable terminology

More available

Access more of your data without support requests and complex set up

More informative

New presentation of data which adds more context and more accurate representation

More manageable

Take more control over your data and the way it is managed

More modern

New look pages with a focus on fast insights and clearer views

AutoSense
DRIVING SAFETY



Contents of this document

Event uplift & system improvements

01

Overview of the event terminology changes

04

Addition of historical reports page

07

Simplified message queue subscriptions

02

Improvements to the events list page

05

Retention and usage controls

03

Improvements to insights and digest reports

06

Simplified email notifications



01

Overview of the event terminology changes

What is the event uplift?

The problem

Currently we use terminology like confirmed event and verified event broadly through the system. This is clear for the majority of events but as the system has grown we have identified two areas where this creates confusion

1. **Reclassification** – A binary concept of “verified” doesn’t accurately capture events that are reclassified after review. Eg is a detected fatigue event that is reclassified as a long glance away a verified distraction or a falsely detected fatigue event?
2. **Auto-classified events** – With the addition of new detected events such as mobile device and attention sharing, we have relied on treating these events as being automatically classified even without human interaction. This is often confusing for customers when an auto-classified event is “verified”.

System evolution

The event uplift is simply a collection of changes to the system to improve the way that events are interpreted and to make information clearer and more available.

Part of this is ensuring that the event terminology is correct and without ambiguity. The Guardian System keeps improving with more types of events so the terminology needs to grow with it.

Three key principles are the foundation for this change.

1. Focus on the classification as independent to event type detection.
2. More clarity around the life cycles and review status of an event.
3. Ensure that the value of human review is central to the way that data is presented and that it is always clear when a human reviews an event.

Event labels split into *Event type* and *Classification*

The first key principles driving the new terminology:

The classification is the most valuable piece of information relating to an event.

Being able to distinguish between the detected event type and classification is a key distinction.

Both the event type and classification should be distinct and should relate to the content of the event not the status.

The solution – clearer labelling of events

"Event type"

- This is what is detected by the Guardian unit.
- Determined by algorithm
- Specific to the generation of the unit
- Independent of review status
- Remains constant despite reclassification
- Should be reportable and filterable

"Classification"

- Set by a human reviewer or the system based on business rules
- Agnostic to the generation of the guardian unit
- Can change with re-classification
- Also includes *criteria not met*
- Should be reportable and filterable

Confirmation state changed to *Review status*

The second principles driving the new terminology:

People want to be able to easily determine if the event has been reviewed by a human or not.

For events managed without human intervention, there should be more information.

All events should be clear with no ambiguity between their statuses.

The solution – Review status

Note: Review statuses replace the concept of "confirmation states".

"Media pending"

The event is expected to be reviewed but is waiting on the media to arrive.

"Ready for review"

The events media has arrived and is ready for analyst review.

"Reviewed"

The event has been reviewed by analyst and assigned its classification.

"System classified"

Where for multiple reasons the events has been classified without human review.

What are the reasons for system classification?

System classified events occur when business rules determine that a human review is not required, automatically confirming the default classification. The reasons are varied but will be visible to the user through an information icon, and can be filtered.

Below are the potential reasons:

Unmonitored fleet

Events from unmonitored fleets are not reviewed.

Monitoring center settings

The monitoring centre does not review these events.

Stale data

Where event was registered more than 31 days from detection.

Disabled vehicle

Events from disabled vehicles are not reviewed.

Staging fleet

Events from staging fleets are not reviewed.

Expired

Events that are older than 7 days are not reviewed.

Intervention plan Settings

The intervention plan states not to review these events.

Event media disabled

The fleet has chosen not to record event media.

Media delayed

Where media has been delayed for more than 24 hours.

02

Changes to the Events Page

What changes have been made?

Moving to a compact list view

- More than 4 x the events visible on the one page.
- Easier to scan. Clear and uncluttered presentation.
- Better use of colour for classification selection
- Same drop down view for event cards.

More informative

- More information about the history of the event including reclassification.
- Review status details.
- Media availability icons.
- Useful hover over icons for system classification reason and classification definition

Easier to Navigate Filters

- All filtering capability retained.
- Logical grouping for standard and advanced filtering
- Able to filter for both event type and classification
- Able to filter for Review status and system classification reason

Events now in compact list

HOST

SERVICE PROVIDER

ACCOUNT

FLEET

RESET

Service provider B

Account A

Longer fleet name ABCDEF

Events

View

Review (0/4)

Fatigue (0/3)

Distraction (0/4)

ADAS alert (0/5)

FOV exception (0/3)

Manual recording (0/1)

Search events

Filters 12 CLEAR

Last 24 hours

Event time (newest)

FLEET TIME	VEHICLE	EVENT TYPE	CLASSIFICATION	REVIEW STATUS	ALARMS	FLEET	SPEED KM/H	MEDIA
9/10/2025 10:22:18 (+10:00)	AB-1234	Switch between vehicle and Guardian unit	Microsleep	Media pending		Seeing Machines Logistics and Transport Services Melbourne	52	-
9/10/2025 10:22:18 (+10:00)	CD-5678	Fatigue	Microsleep	Ready for review		Velocity Freight Systems Big Trucks (Interstate)	52	
9/10/2025 10:22:18 (+10:00)	EF-9101-2348	FOV exception	Sensor covered	Ready for review		Peak Performance Fleet	102	
9/10/2025 10:22:18 (+10:00)	GH-1122	Fatigue	Microsleep	Ready for review		Nexus Freight Transport - 789271 ABC	52	
9/10/2025 10:22:18 (+10:00)	IJ-1314	Attention sharing	Attention sharing	System classified		BlueSky Nationwide Fleet Solutions	102	
9/10/2025 10:22:18 (+10:00)	KL-1516	Fatigue	Mobile device Recategorised	Reviewed		BlueSky Nationwide Fleet Solutions	82	
9/10/2025 10:22:18 (+10:00)	KL-1518	Distraction	Long glance away	Reviewed		Prime Movers - Regional Transport	52	
9/10/2025 10:22:18 (+10:00)	OP-1920	FOV exception	Sensor covered	System classified		Nexus Freight Transport	52	
9/10/2025 10:22:18 (+10:00)	QR-2122	FOV exception	Sensor covered	System classified		Peak Performance Fleet	52	
9/10/2025 10:22:18 (+10:00)	ST-2324	ADAS alert	Harsh braking	System classified		Peak Performance Fleet	52	
9/10/2025 10:22:18 (+10:00)	UV-2526	Attention sharing	Attention sharing	System classified		Prime Movers - Regional Transport	102	
9/10/2025 10:22:18 (+10:00)	WX-2728	Manual recording	Manual recording	System classified		Velocity Freight Systems Big Trucks (Interstate)	82	
9/10/2025 10:22:18 (+10:00)	YZ-2930	Drowsiness	Testing	System classified		Seeing Machines Logistics and Transport Services Melbourne	52	
9/10/2025 10:22:18 (+10:00)	AB-3132	Fatigue	Microsleep	Reviewed		Prime Movers - Regional Transport	52	
9/10/2025 10:22:18 (+10:00)	CD-3334	Fatigue	Long glance away	System classified		Fleet Haulers Limited	52	
9/10/2025 10:22:18 (+10:00)	EF-3536	Fatigue	Drowsiness	Reviewed		Southbank logistics wharf	52	
9/10/2025 10:22:18 (+10:00)	GH-3738	Drowsiness	Criteria not met	Reviewed		Dock stations fleet	52	
9/10/2025 10:22:18 (+10:00)	IJ-3940	Long glance away	Long glance away	System classified		Peak Performance Fleet	82	
9/10/2025 10:22:18 (+10:00)	KL-4142	Fatigue	Microsleep	System classified		Seeing Machines Logistics and Transport Services Melbourne	102	

Items per page

20

1 - 100 of 4908

Same functionality, more modern!

Quick filters
Clearer event type inclusion selectors

Unified Layout
Familiar layout with filters and expand arrows all in the same place.

High density
A large increase of the number of events visible in one page

Color coding
Colour alignment for easy scanning

Events now in compact list

HOST

SERVICE PROVIDER

Service provider B

ACCOUNT

Account A

FLEET

Longer fleet name ABCDEF

RESET

AB

Events

View

Review (0/4)

Fatigue (0/3)

Distraction (0/4)

ADAS alert (0/5)

FOV exception (0/3)

Manual recording (0/1)

Search events

Filters 12 CLEAR

Last 24 hours

Event time (newest)

FLEET TIME	VEHICLE	EVENT TYPE	CLASSIFICATION	REVIEW STATUS	ALARMS	FLEET	SPEED KM/H	MEDIA
9/10/2025 10:22:18 (+10:00)	AB-1234	Microsleep	Microsleep	Media pending		Seeing Machines Logistics and Transport Services Melbourne	52	
9/10/2025 10:22:18 (+10:00)	CD-5678	Fatigue	Microsleep	Ready for review		Velocity Freight Systems Big Trucks (Interstate)	52	
9/10/2025 10:22:18 (+10:00)	EF-9101-2348	FOV exception	Sensor covered	Ready for review		Peak Performance Fleet	102	
9/10/2025 10:22:18 (+10:00)	GH-1122	Fatigue	Microsleep	Ready for review		Nexus Freight Transport - 789271 ABC	52	
9/10/2025 10:22:18 (+10:00)	IJ-1314	Attention sharing	Attention sharing	System classified		Peak Performance Fleet	102	
9/10/2025 10:22:18 (+10:00)	KL-1516	Fatigue	Mobile device Recategorised	Reviewed		BlueSky Nationwide Fleet Solutions	82	
9/10/2025 10:22:18 (+10:00)	KL-1518	Distraction	Long glance away	Reviewed		Prime Movers - Regional Transport	52	
9/10/2025 10:22:18 (+10:00)	OP-1920	FOV exception	Sensor covered	System classified		Nexus Freight Transport	52	
9/10/2025 10:22:18 (+10:00)	QR-2122	FOV exception	Sensor covered	System classified		Peak Performance Fleet	52	
9/10/2025 10:22:18 (+10:00)	ST-2324	ADAS alert	Harsh braking	System classified		Peak Performance Fleet	52	
9/10/2025 10:22:18 (+10:00)	UV-2526	Attention sharing	Attention sharing	System classified		Prime Movers - Regional Transport	102	
9/10/2025 10:22:18 (+10:00)	WX-2728	Manual recording	Manual recording	System classified		Velocity Freight Systems Big Trucks (Interstate)	82	
9/10/2025 10:22:18 (+10:00)	YZ-2930	Drowsiness	Testing	System classified		Seeing Machines Logistics and Transport Services Melbourne	52	
9/10/2025 10:22:18 (+10:00)	AB-3132	Fatigue	Microsleep	Reviewed		Prime Movers - Regional Transport	52	
9/10/2025 10:22:18 (+10:00)	CD-3334	Fatigue	Long glance away	System classified		Fleet Haulers Limited	52	
9/10/2025 10:22:18 (+10:00)	EF-3536	Fatigue	Drowsiness	Reviewed		Southbank logistics wharf	52	
9/10/2025 10:22:18 (+10:00)	GH-3738	Drowsiness	Criteria not met	Reviewed		Dock stations fleet	52	
9/10/2025 10:22:18 (+10:00)	IJ-3940	Long glance away	Long glance away	System classified		Peak Performance Fleet	82	
9/10/2025 10:22:18 (+10:00)	KL-4142	Fatigue	Microsleep	System classified		Seeing Machines Logistics and Transport Services Melbourne	102	

Items per page

20

1 - 100 of 4908

More information now displayed

Review status
New context around the review status of all events.

Classification
Clear information about the detected event type and the classification.

Media availability
Media availability icons.

More detail
Hover over icons detail information about system classification reasons and definitions.

Filter visibility
Improved indicators to show that filters are enabled, and narrowing the results.

Easier to navigate filters



Standard filters

- Event type (New)
- Classification
- Review Status (New)
- System Classified Reason(New)
- Media
- Tags



Key improvements

More intuitive structure

Redesigned layout makes finding and applying standard or advanced filter types logical and seamless. With the added

No loss of capability

All advanced configuration controls remain fully available for deeper investigations.

Review status tracking

Dedicated views allow simple tracking and lifecycle monitoring of all event classifications.

Advanced filters



Vehicle Fatigue Risk no longer shown on event list

Where is the fatigue risk tile?

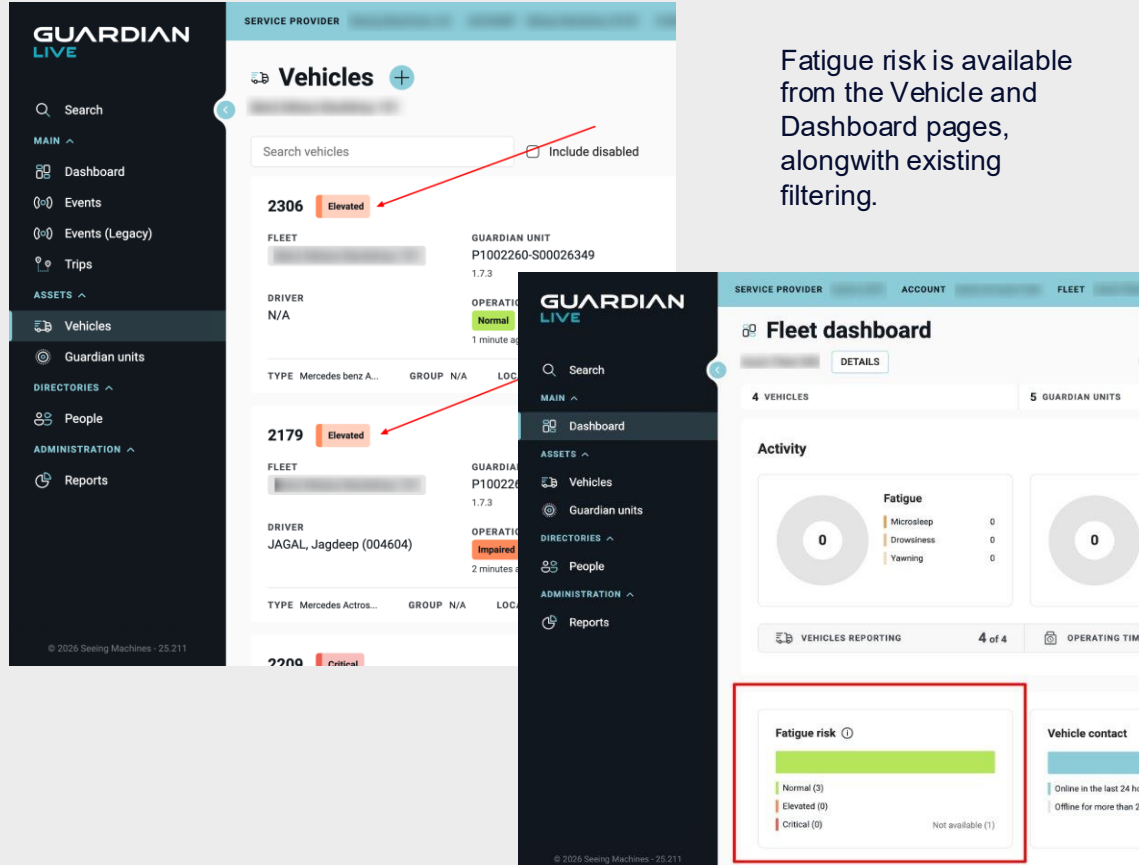
You may notice that the *Fatigue Risk* tile is no longer displayed on the event list or available as a filter. This is an intentional change, designed to show only information relevant to the event at the time it occurred.

Why has it been removed from the Events list?

Fatigue Risk changes over time and reflects the vehicle's current risk, not necessarily its risk when an event occurred. We also found it could be mistaken for the risk level of the event itself. To keep the event list focused on information relevant to the event, the tile has been removed from this page.

Where can I view fatigue risk?

Because *Fatigue Risk* reflects the vehicle's current risk, you can view it from **Vehicles** or **Dashboard**. These pages provide a dynamic, up-to-date view, rather than representing a specific point in time like an event.



The image displays two screenshots of the Guardian Live interface. The left screenshot shows the 'Vehicles' page with a list of vehicles. Two vehicles, 2306 and 2179, are highlighted with red boxes and arrows, both showing an 'Elevated' fatigue risk status. The right screenshot shows the 'Fleet dashboard' page. A red box highlights the 'Fatigue risk' section, which displays a bar chart showing the current risk level (Elevated) and a legend indicating the risk levels: Normal (3), Elevated (0), and Critical (0). The dashboard also shows activity metrics for Microsleep, Drowsiness, and Yawning, all at 0.

Fatigue risk is available from the Vehicle and Dashboard pages, along with existing filtering.



03

Changes to Digest and Insights Report

Drowsiness reporting *(From early December)*

From early December, **Insights reports** will provide greater visibility into fatigue and drowsy vehicle operation, helping build a more complete picture of driver fatigue beyond detected events. The report will cater for vehicles with either Guardian generation 2 or 3 units.

Headline statistics

Time spent drowsy, distance drowsy, and trip averages.

Time of day breakdowns

Detailed hourly breakdowns for the entire fleet.

Geographical breakdowns

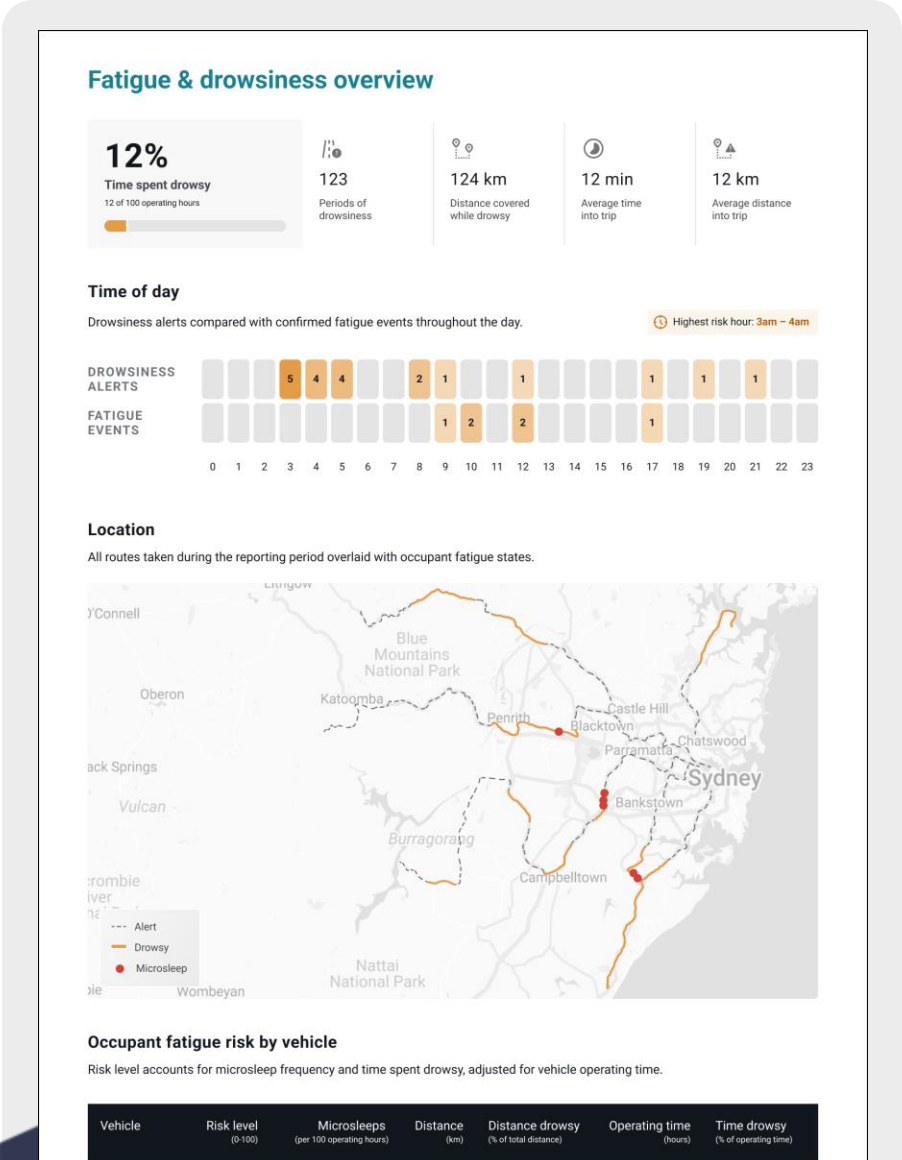
Map-overlaid occupant fatigue states across all routes.

Detailed vehicle reporting

Comprehensive periodic tracking (Daily, Weekly, Monthly).

Taking fatigue insights to the next level!

This capability will be released with Version 25 release (October 27th) but the first month will be for data collection only and then this will be available in reports after approximately one month (early December).



Account level digest reports

Digest reports can now be setup at the Account level. Digest reports can either be setup for the whole account, or for a group of fleets in the account.

Easy setup & access

Available directly in the reports tab of the Account page.

Consolidated fleet selection

Select all fleets or a customizable subset of fleets to be combined.

New drowsiness reporting

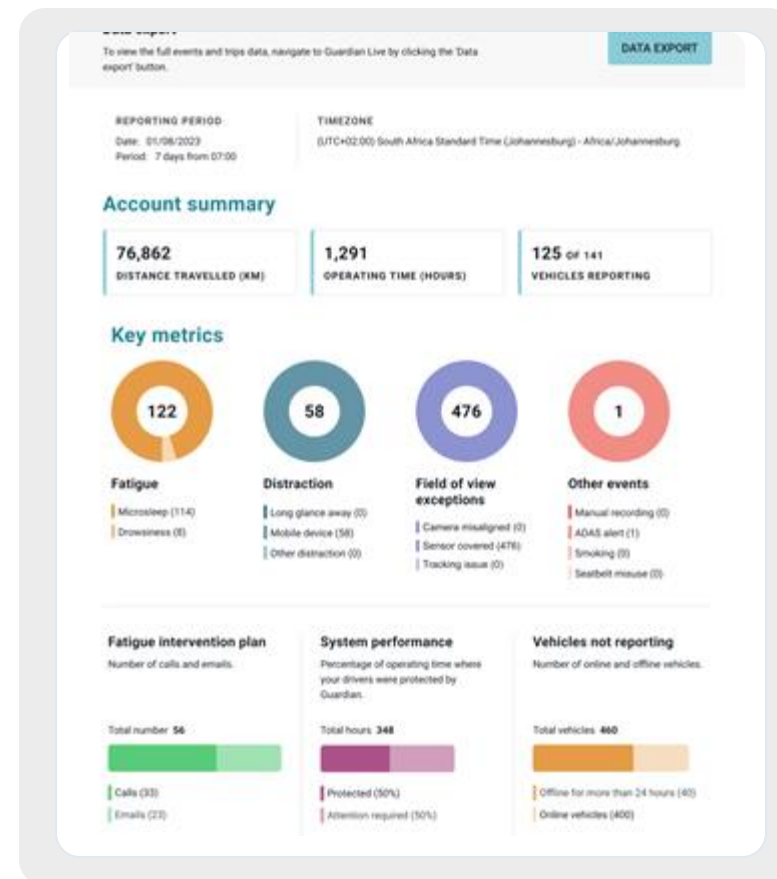
Includes advanced drowsiness reporting insights for driver safety.

Fatigue & distraction tracking

View all event counts for vehicles and drivers, organized clearly by fleet.

Aggregated performance

Get a holistic fleet activity view with vehicle performance metrics.



04

Easy access to past reports

Historical reports

No more need to sift through emails to find historical digest and insights reports.

Account & fleet Level reports

Available for both account level and fleet level reports. Simply got to the reports tab on the fleet or account page.

Easy filtering

Easy filtering to find specific reports for specific dates.

Historical accuracy

Reports aren't re-generated so you'll get the data as it was at the time, regardless of changes.

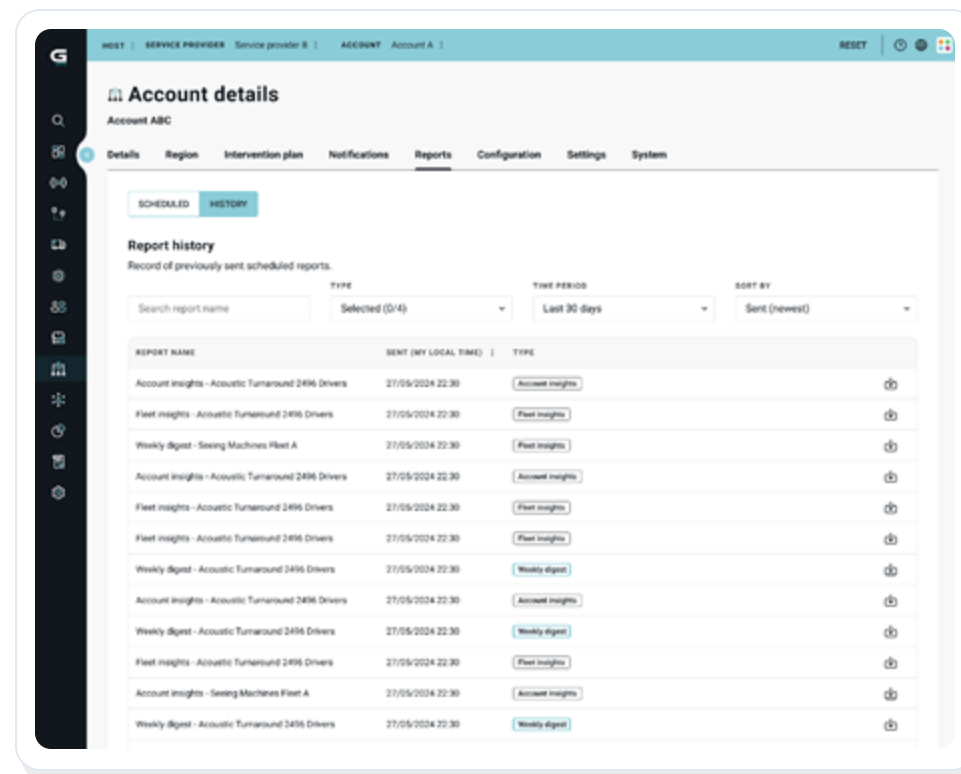
Accessible access

Accessible by anyone with access to reports, not just subscribers.

12-Month retention

Available for up to 12 months.

We have only begun retaining reports from the start of August 2026. So when Version 25 is released you will have access to reports from this date and they will remain until the 12 month retention period is reached.





05

Retention and usage control

More control over your data usage

With a request to your account manager or support you can now adjust multiple aspects of your data if required for privacy regulations and view these data preferences displayed on the account page.

Data retention

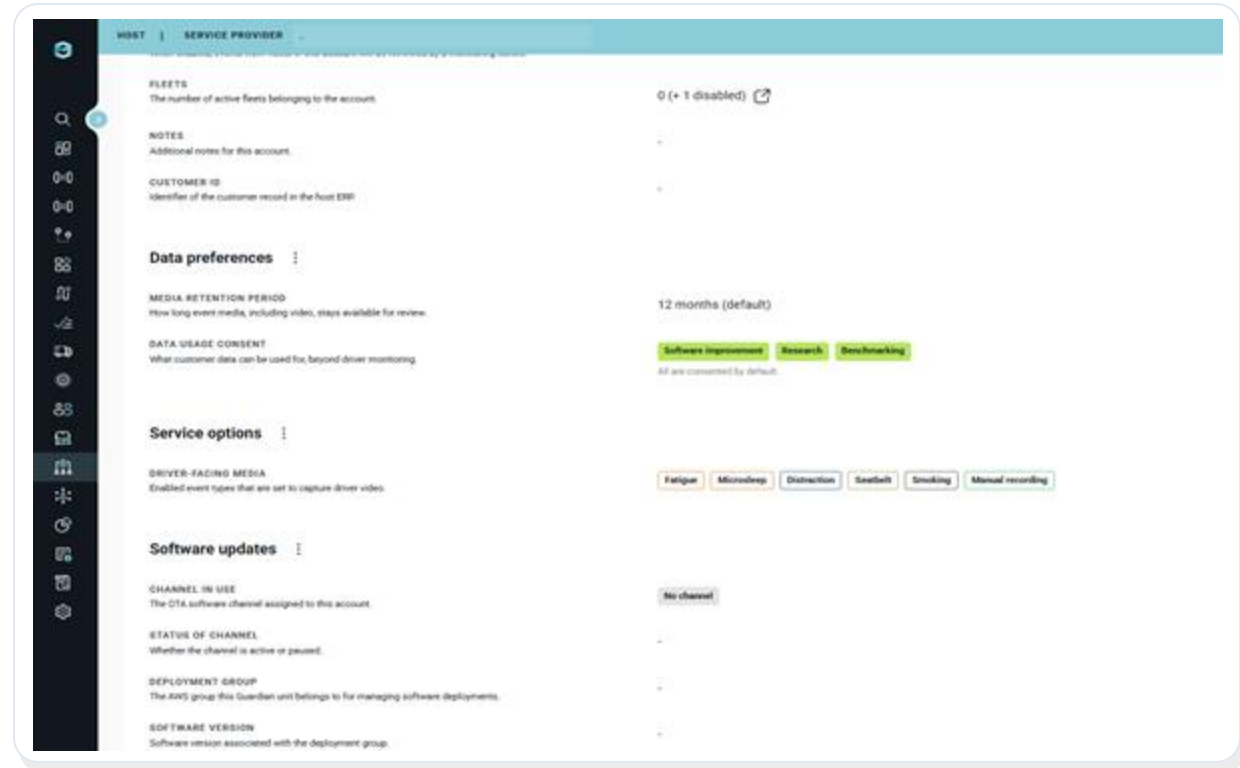
Allows for accounts to be set to have shorter retention periods if required.

Default is 12 months

Data usage consent

Allows for accounts to specifically opt out specific usage of their data.

Default is opted into all three options



06

Simplified email notifications

Email notification subscription simplification

Only one subscription needs to be set up to cover off event notifications and reduced noise.

Previous Approach:

To set up notification subscriptions with topics and triggers, you needed to set up subscriptions for specific stages of an events lifecycle (detected, reviewed, rejected, reviewed, updated).

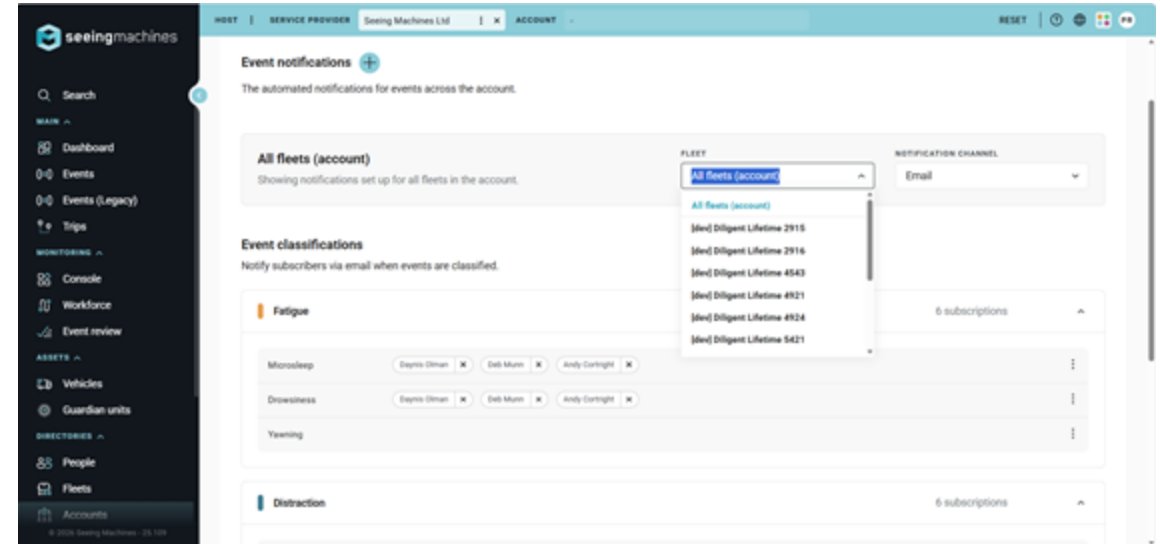
You had also had an inconsistent grouping or isolation of classifications (eg. Fatigue not capturing yawning or attention sharing as a separate classification from distraction). It would take an elaborate combination of subscriptions to capture all the desired instances, and keeping subscribers up to date was a challenge.

New Approach:

Notifications will only be sent when an event has been classified either by an analyst **Review** or by the system due to **System Classification** rules. This means that you will only receive classified events and can even opt out of system classified to only receive human reviewed events.

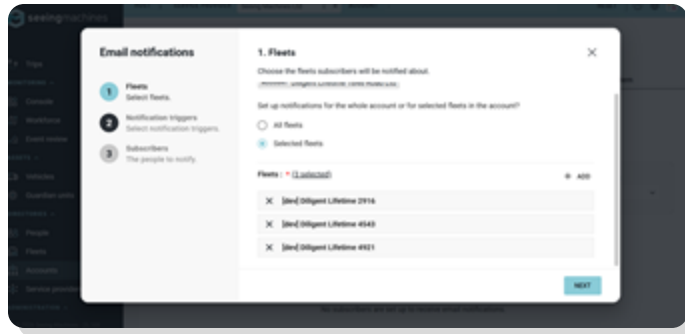
What this means is that you won't see events that are determined "criteria not met" and you will be able to set all classification types in a single subscription.

This will allow for easier management of event and less noise. The notification now occurs only once the event has had its classification confirmed by system rules or a human and you will be subscribing to the classification not just the detected event type.



On the release of Version 25 your notifications will be migrated to the new set up.

Simpler set up for email notifications



1. Fleets Setup

- Set up each notification type separately.
- Configure notifications for each fleet, all fleets, or specific subsets easily.
- Uses the same intuitive stepper design.



2. Notification Triggers

- Choose desired event classifications for notification in one single setup.
- All classifications consolidated into clear event types without exception.



3. Subscribers

- Automatically assigns subscribers to the classification, with easy opt-out options.
- Same straightforward selection window for adding people.

We recommend reviewing your email subscriptions prior to release and after to ensure that only relevant subscriptions will be/have been migrated.



07

Simplified message queue service

Message queue subscription simplification

To simplify the setup of message queues and to provide more control we are going to be collapsing the way message queues are set up to remove specific event stages (eg detection, review etc) and ensure that all state changes are sent through in the single message queue. .

Previous Approach:

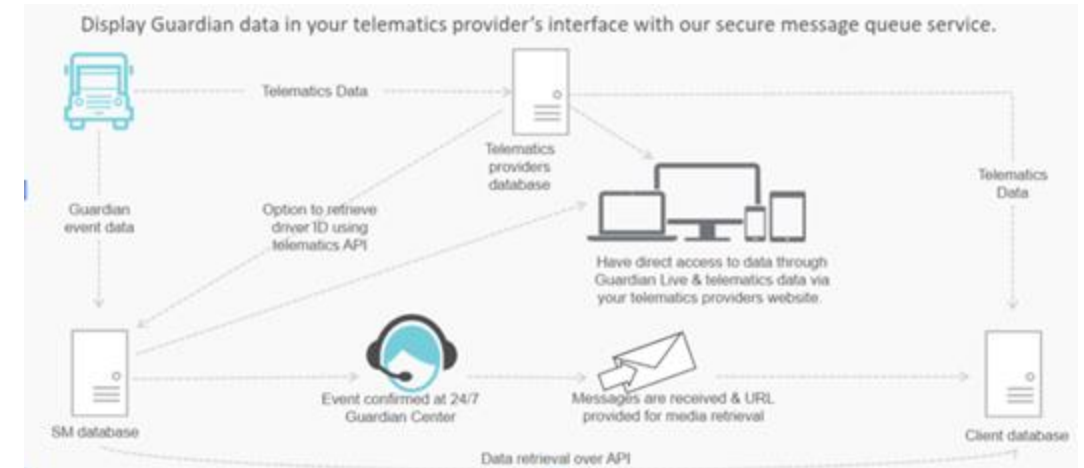
To set up notification subscriptions with topics and triggers, you needed to set up subscriptions for specific stages of an events lifecycle (detected, reviewed, rejected, reviewed, updated). The same limitations that exist for email notifications were the same for message queues.

New Approach:

Unlike email notifications, message queues are able to account for much higher volumes as they are managed programmatically instead of hitting an inbox.

So that as a user you have full control over your data we have removed the need to define the specific trigger for your data and **ALL** stages on event lifecycle (detection, classification, reclassification etc) will be sent through the message queue with the ability to filter and manage on the receiving end of the queue.

This means that maintenance of the queue is fully within your control without the need to coordinate with Seeing Machines for any change to specific subscriptions. All your data will be available and you can manage as needed.



For those currently receiving event data via message queue you will have to make some updates to the queue rules to ensure you are receiving the data you need. We have already reached out to customers who utilise the service.

If you utilize the message queue service for data and have not been contacted about this change, please reach out to your distributor or your Seeing Machines account manager as early as possible as these changes are not backward compatible.

Get in touch

NEW ZEALAND
+64 9 303 1416
support@autosense.co.nz
autosense.co.nz

AUSTRALIA
+61 370 532 306
support@autosenseaustralia.com.au
autosenseaustralia.com.au

AutoSense
DRIVING SAFETY

