RALLYSAFE RECCE LITE

LOW BUDGET RECCE MONITORING SOLUTION

Version 1.1
23/05/2022

1. What is RallySafe

RallySafe is the leader of the next generation of rally management systems; designed from the ground up, by rally people, for rally people. Combining world-leading sensors and communication platforms into robust, lightweight packages ideal for all forms of rallying & off-road motorsport, RallySafe provides a huge range of features in four key areas; safety, timing, tracking and management.

With a compact form factor and customisable features, the system is capable of supporting many different event types; A-to-A rallies, A-to-B rallies, navigational events, off-road events, and more. Since its inception in 2010, RallySafe has been utilised by hundreds of events worldwide, in many different forms of motorsport.

The new "RallySafe Recce Lite" is based on the same technologies as used in the RallySafe devices but instead utilising Android and IOS based mobile devices. RallySafe Recce Lite uses the competitors' mobile phones connection to the GSM network as well as the GPS location of the device to accurately track the movements of the vehicles and enforce speed limits whilst competitors perform recce on a competitive stage.

2. Mobile Phone Application

The RallySafe Recce Lite mobile app turns the competitor's android or IOS device into a low budget recce monitoring and tracking system for use in rally reconnaissance. The Mobile App UI (Figure 1) uses the mobile screen to display the current GPS speed of the vehicle, the current speed limit enforced, and two resettable trip meters. The UI will also display the car number, current time and the current connection status of the GSM network.

Figure 1

RallySafe Recce Lite alerts the competitor when the current speed limit is exceeded, as seen in figure 2; an audible beep will accompany the red over speed bar. This over speeding will be automatically reported to the RallySafe web application with the details of the location and time of the infringement, maximum speed exceeded and the total time over the set speed limit. In situations where there is no GSM connectivity at the location of the infringement, the infringement will be stored and transmitted once a GSM connection is reestablished. The RallySafe Recce Lite application will not store any logs of the speed or location, and it will only report each infringement in the previously mentioned format.

Figure 2

Whilst the device is active on a rally stage, it will monitor for any misuse by a user; including turning off the device, forcing the closure of the app and turning off the GPS. If any of these misuses occur, they will be reported once the application is re-opened. These will not incur on transport sections as the device may be used for other purposes; therefore, it should be common practice to have a marshal confirm the application is open and functional before every car enters a stage.

Each competitor will be provided with a link or QR code unique to their entry via email to register their phone as their recce monitoring device. Once a device is registered, the event will be stored in the application until the event expires. In the case that a device is lost or broken, the process can be completed with a new device.

3. Web Infrastructure

The RallySafe Recce Lite mobile app is integrated into SAS's proven and tested RallySafe cloud-based infrastructure, the same infrastructure used at over 150 events worldwide, including all World Rally Championship rounds.

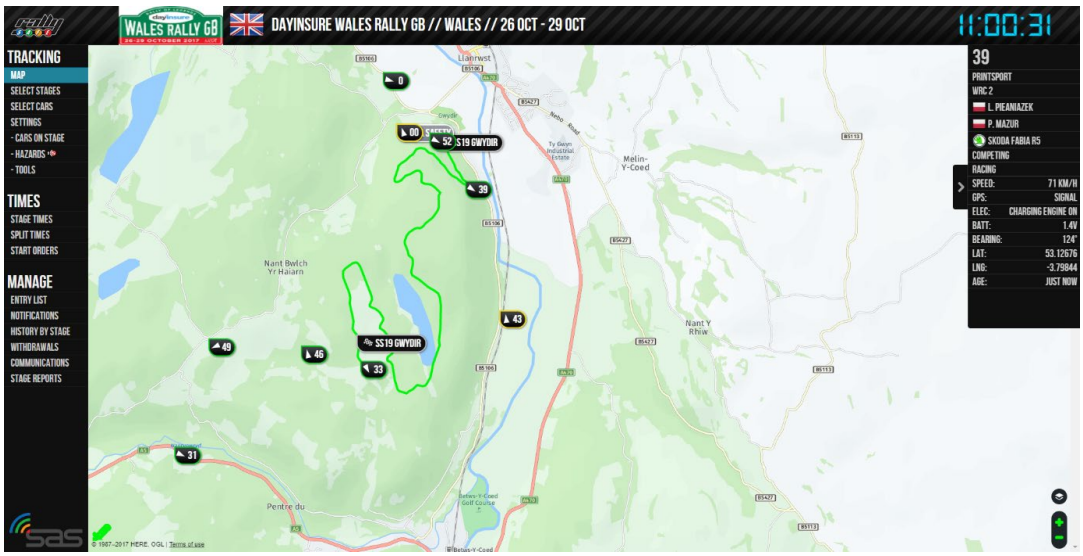

Figure 3

**Note - Information in the picture above is using data from the full RallySafe System; some data seen above may not be available with RallySafe Recce Lite*

The RallySafe web-app has an intuitive map showcasing the whereabouts of each vehicle where RallySafe or RallySafe Recce Lite app is installed.

Throughout a recce event, organisers can see the current location of all the cars (GSM connectivity dependent), the connection status of each car, as well as all the current speeding infringements and misuse faults.

Speeding infringement summary can be exported into a .csv report at the user's command, in the format seen in figure 4.

Car	Driver	Stage	Class	Maximum Speed	Seconds Speeding	Recorded Time	Speed Limit
20	A. MIKKELSEN	12 - SS12 Sottozero	RECCE WRC TARMAC	47.7	9.5	18/11/2021 9:35:43 PM	40
22	J. Huttunen	12 - SS12 Sottozero	RECCE WRC TARMAC	81.1	5.7	19/11/2021 4:31:06 AM	70
22	J. Huttunen	12 - SS12 Sottozero	RECCE WRC TARMAC	85.6	20.7	19/11/2021 4:31:34 AM	70
22	J. Huttunen	12 - SS12 Sottozero	RECCE WRC TARMAC	106.4	62.8	19/11/2021 4:33:05 AM	70
22	J. Huttunen	12 - SS12 Sottozero	RECCE WRC TARMAC	78.9	5.6	19/11/2021 4:34:51 AM	70
22	J. Huttunen	12 - SS12 Sottozero	RECCE WRC TARMAC	82.4	19.8	19/11/2021 4:36:38 AM	70
22	J. Huttunen	12 - SS12 Sottozero	RECCE WRC TARMAC	78.6	6.1	19/11/2021 4:36:47 AM	70
25	E. BRAZZOLI	12 - SS12 Sottozero	RECCE WRC TARMAC	45.1	4	19/11/2021 12:45:20 PM	40
25	E. BRAZZOLI	12 - SS12 Sottozero	RECCE WRC TARMAC	47.8	6.1	19/11/2021 12:47:43 PM	40
25	E. BRAZZOLI	12 - SS12 Sottozero	RECCE WRC TARMAC	44.8	5.8	19/11/2021 1:06:25 PM	40

Figure 4

4. Further Information

For further information on this product, please contact Jobe Sims via email - Jobe@statusas.com