

## Document #SD-01

### 2023 Make Smoking History Forest Rally

Nannup

Saturday 20<sup>th</sup> May 2023

Following a request from Status Awareness Systems (Rallysafe) Operations Manager, Jobe Sims, to correct the time recorded for Car 3 in Special Stage 5 due to technical issue with the timing equipment

**Competitor** Nathan Quinn

**Car and Driver** Car 3 – Nathan Quinn

**Date** 20<sup>th</sup> May 2023

**Session** Special Stage 5

**Fact** During the transport to the first stage of Saturday (SS5) the RallySafe device in Car 3 lost GPS sync, which further caused an internal clock drift due to an internal malfunction yet to be reviewed further. The device regained GPS sync shortly after the car started SS5, and the internal clock automatically corrected

**Rule** NCR 71 – accept a correction proposed by a Judge of Fact (Rallysafe)

**Decision** Correct Car 3 time for Special Stage 5 to 3:12.0

**Reason** The incorrect internal clock time gave the crew a countdown to start 25 seconds delayed from real-time, meaning the crews left the stage start at 8h52:25, finishing at 08h55:37.

The process to determine the corrected time was as follows:

Rallysafe retrieved the logs recorded to the device's internal storage and looked at the time variation jump from the internal clock when GPS sync was obtained shortly after the car started; the internal clock correction from the log was 25 seconds (the difference between the device time and the corrected device time the second after GPS was obtained).

Further to this, the delay in the device message timestamp and the received message timestamp on the server side was reviewed, considering an average 1-second transmission time was 24.9 seconds 20 seconds before car 3 started SS5.

To support this, the onboard video was reviewed, highlighting a stage time of 3:12.0, considering the average start response time of car 3 on SS6, 7 and 8 to be 0.8 sec and the delay in the finish boards (beam location) and the finish coordinate being +0.5sec.

Therefore, Rallysafe are requesting to amend car 3 time on SS5 to 3:12.0 given that all 3 investigations determine the same time.

The Competitor is reminded of their Right of Appeal as set out in NCR101 – National Competition Rules - **APPEALS**

**Issued by the Stewards of the Meeting:**

Chair  
Paul Makela  
*Motorsport Australia Stewards*

Steward  
Ian Bigg

Steward  
Terri Woolhouse

Steward  
Lyndon Sperring

**DATE:** 20 May 2023

**TIME:** 14:15