

## REGULATION CHANGES FOR CONSULTATION

Committee:	Cross Country Committee
Date of Meeting:	8 <sup>th</sup> of April 2024
Closing date for Consultation:	3 <sup>rd</sup> of May 2024
Email for comments:	<a href="mailto:crosscountryconsultation@motorsportuk.org">crosscountryconsultation@motorsportuk.org</a>

## Section P – Cross Country

### Proposed Regulation

#### Safety

#### Competitive Safari, Point to Point and Hill Rally

**57.5.4.** Steering provided by hydraulic operation (i.e. not by direct mechanical link) is permitted in Competitive Safari (Inc. Competitive Safari Plus) Events only. Vehicles with hydraulic systems must comply with the Vehicle Technical Requirements published by the ASN and Vehicles must be issued with a Vehicle Passport which must be obtained by application to the ASN.

#### 57.6 Point to Point

*Additional to 56 – ~~57~~ 57.5.3*

#### Date of Implementation: 1<sup>st</sup> January 2025

Reason: This proposal forms the outcome of the Hydraulic Steering Working Group that was established as part of the actions from the Cross Country Discipline Committee meeting that sat on the 14<sup>th</sup> of February.

The reason for this proposal is to allow Vehicles with hydraulically operated steering systems to compete in Competitive Safari and Competitive Safari Plus events, provided the steering system meets the requirements set out in the Vehicle Technical Requirements that will be published by Motorsport UK to assist Scrutineers and Competitors.

## **P57.5.4 Cross Country Hydraulic Steering Technical Requirements & Guidance**

### **Safety**

#### **Competitive Safari, Point to Point and Hill Rally**

**57.5.4.** Steering provided by hydraulic operation is permitted in Competitive Safari (Inc. Competitive Safari Plus) Events only. Vehicles with hydraulic systems must comply with the Technical Requirements published by the ASN and Vehicles must be issued with a Vehicle Passport which must be obtained by application to the ASN.

#### **Technical Requirements for Hydraulically Powered Steering Systems in Competitive Safari (inc. Competitive Safari Plus) Events**

- (a) Must not exceed an operating pressure of 150bar.
- (b) The Vehicle must be able to be steered with the engine off and all electrical circuits switched off.
- (c) Orbital Valves must be of the Manual Steering Check Valve Type.
- (d) Steering systems must be either a double-ended cylinder or double single-ended cylinders.
- (e) A single single-ended cylinder is not permitted.
- (f) Braking assist systems must be independent from the steering system.
- (g) Hydraulic hoses under pressure (not return to filter/cooler/reservoir/feed to pump) must be rated and marked at 300bar (or PSI equivalent).
- (h) Hose fittings must be of the crimped type (i.e. not screw together fittings).
- (i) There must be anti-burst protection from any hydraulic systems within the driver's compartment.
- (j) Hydraulic hoses must be secured in order to be minimise the risk of damage.
- (k) Hydraulic hoses must be inspected routinely for condition to confirm that there is no material degradation that could compromise the quality and safety of the component.

#### **Guidance for Scrutineers & Other Senior Officials**

- (a) The Vehicle must be able to be steered with the engine off.
- (b) The Driver must demonstrate (a) at scrutineering by turning the steering wheel of the Vehicle with the engine off and all electrical circuits switched off.
- (c) The steering must be able to be operated by the driver with no abnormal difficulty, turning the steering wheel in both directions, showing the wheels materially changing direction.
- (d) (c) above can be demonstrated while the Vehicle is rolling at slow speed or with the wheels placed upon steering plates or low friction surfaces.