

# 2022 FORMULA ONE SPORTING REGULATIONS

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## Convention:

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## 1) REGULATIONS

- 1.1 The FIA will organise the FIA Formula One World Championship (the Championship) which is the property of the FIA and comprises two titles of World Champion, one for drivers and one for constructors. It consists of the Formula One Grand Prix races which are included in the Formula One calendar and in respect of which the ASNs and organisers have signed organisation agreements with the FIA. All the participating parties (FIA, ASNs, organisers, Competitors and circuits) undertake to apply as well as observe the rules governing the Championship and must hold the appropriate FIA Licences which are issued to drivers, Competitors, officials, organisers and circuits.
- 1.2 The final text of these Sporting Regulations shall be the English version which will be used should any dispute arise as to their interpretation. Headings in this document are for ease of reference only and do not form part of these Sporting Regulations.
- 1.3 These Sporting Regulations apply to the whole calendar year referred to in the title, and to the Championship taking place within that calendar year (“the Championship”). Any changes made by the FIA for safety reasons may come into effect without notice or delay.

## 2) GENERAL UNDERTAKING

- 2.1 All drivers, Competitors and officials participating in the Championship undertake, on behalf of themselves, their employees, agents and suppliers, to observe all the provisions as supplemented or amended of the International Sporting Code (the Code), the Formula One Technical Regulations (Technical Regulations), the Formula One Financial Regulations (Financial Regulations) and the present Formula One Sporting Regulations together referred to as “the Regulations”.
- 2.2 The Championship and each of its **Competition** is governed by the FIA in accordance with the Regulations.
- 2.3 **Competition** means any **competition** entered into the FIA Formula One Championship Calendar for any year commencing four (4) hours before P1 is scheduled to start and ending at the time for the lodging of a protest under the terms of the Code or the time when a technical or sporting certification has been carried out under the terms of the Code, whichever is the later.
- 2.4 Any special national regulations must be submitted to the FIA with the original application for inclusion of **a Competition** on the international calendar. Only with the approval of the FIA can such special regulations come into force for **a Competition**.

## 3) GENERAL CONDITIONS

- 3.1 It is the Competitor’s responsibility to ensure that all persons concerned by his entry observe all the requirements of the Regulations. If a Competitor is unable to be present in person at the **Competition**, he must nominate his representative in writing. The person having charge of an entered car during any part of **a Competition** is responsible jointly and severally with the Competitor for ensuring that the requirements are observed.
- 3.2 Competitors must ensure that their cars comply with the conditions of eligibility and safety throughout each practice session, sprint session and the race.
- 3.3 The presentation of a car for initial scrutineering in accordance with Article 31.1 will be deemed an implicit statement of conformity.
- 3.4 All persons concerned in any way with an entered car or present in any other capacity whatsoever in the paddock, pit lane, or track must wear an appropriate pass at all times.
- 3.5 No pass may be issued or used other than with the agreement of the FIA. A pass may be used only by the person and for the purpose for which it was issued.

3.6 Each Competitor must hold the minimum FIA Environmental Accreditation as follows:

- a) 2 Star Rating by 30 June 2022
- b) 3 Star Rating by 30 June 2023

#### 4) LICENCES

4.1 All drivers, Competitors and officials participating in the Championship must hold an FIA Super Licence. Applications for Super Licences must be made annually to the FIA through the applicant's ASN.

4.2 With the exception of a reprimand or fine, when a penalty is applied under the Code or Article 54.3 the stewards may impose penalty points on a driver's Super Licence. If a driver accrues twelve (12) penalty points his licence will be suspended for the following **Competition**, following which twelve (12) points will be removed from the licence.

Penalty points will remain on a driver's Super Licence for a period of twelve (12) months after which they will be respectively removed on the twelve (12) month anniversary of their imposition.

#### 5) CHAMPIONSHIP COMPETITIONS

5.1 **Competitions** are reserved for Formula One cars as defined in the Technical Regulations.

5.2 Each **Competition** will have the status of an international restricted competition.

5.3 A sprint session will take place at up to three (3) **Competitions**.

a) The distance of each sprint session, from the start signal referred to in Article 43.11 to the end-of-session signal referred to in Article 59.1, shall be equal to the least number of complete laps which exceed a distance of 100km. However, should one (1) hour elapse before the scheduled sprint session distance is completed, the leader will be shown the end-of-session signal when he crosses the control line (the Line) at the end of the lap following the lap during which the one (1) hour period ended, provided this does not result in the scheduled number of laps being exceeded. Only under the circumstances below will any exception be made to the above:

- i) Should the sprint session be suspended (see Article 57) the length of the suspension will be added to this period up to a maximum total sprint session time of one and a half (1.5) hours.
- ii) If the formation lap is started behind the safety car (see Article 49) the number of sprint session laps will be reduced by the number of laps carried out by the safety car minus one.

5.4 The distance of all races, from the start signal referred to in Article 44.10 to the end-of-session signal referred to in Article 59.1, shall be equal to the least number of complete laps which exceed a distance of 305km. However, should two hours elapse before the scheduled race distance is completed, the leader will be shown the end-of-session signal when he crosses the control line (the Line) at the end of the lap following the lap during which the two (2) hour period ended, provided this does not result in the scheduled number of laps being exceeded. Only under the circumstances below will any exception be made to the above:

a) The distance of the race in Monaco shall be equal to the least number of complete laps which exceed a distance of 260km.

- b) Should the race be suspended (see Article 57) the length of the suspension will be added to this period up to a maximum total race time of three (3) hours.
  - c) If the formation lap is started behind the safety car (see Article 49) the number of race laps will be reduced by the number of laps carried out by the safety car minus one.
- 5.5 The maximum number of **Competitions** in the Championship is 24 the minimum is 8.
- 5.6 The final list of **Competitions** is published by the FIA before 1 January each year.
- 5.7 A **Competition** which is cancelled with less than three months' written notice to the FIA will not be considered for inclusion in the following year's Championship unless the FIA judges the cancellation to have been due to force majeure.
- 5.8 A **Competition** may be cancelled if fewer than twelve (12) cars are available for it.

## 6) WORLD CHAMPIONSHIP

- 6.1 The Formula One World Championship driver's title will be awarded to the driver who has scored the highest number of points, taking into consideration all the results obtained during the **Competitions** which have actually taken place. (see Article 6.4 and Article 6.5)
- 6.2 The Formula One World Champion Constructor's title will be awarded to the Competitor which has scored the highest number of points, taking into consideration the results from both cars obtained during the **Competitions** which have actually taken place. (see Article 6.4 and Article 6.5)
- 6.3 A constructor is the person (including any corporate or unincorporated body) which designs the Listed Team Components (LTCs) as defined in Article 17 of the Technical Regulations. The make of an engine or chassis is the name attributed to it by its constructor.

The obligation to design and use LTCs set out in Article 17 of the Technical Regulations shall not prevent a constructor from outsourcing the design and/or manufacture of any LTC to a third party in accordance with the provisions of Article 17 of the Technical Regulations.

If the make of the chassis is not the same as that of the engine, the title will be awarded to the former which shall always precede the latter in the name of the car.

- 6.4 Points for both titles will be awarded at each **Competition** according to the following scale:

Position	Points
1 <sup>st</sup>	25
2 <sup>nd</sup>	18
3 <sup>rd</sup>	15
4 <sup>th</sup>	12
5 <sup>th</sup>	10
6 <sup>th</sup>	8
7 <sup>th</sup>	6
8 <sup>th</sup>	4
9 <sup>th</sup>	2
10 <sup>th</sup>	1

In addition to the above, one (1) point will be awarded to the driver who achieved the fastest valid lap time of the race and to the constructor whose car he was driving, provided he was in the top ten (10) positions of the final race classification (see Article

62). No point will be awarded if the fastest valid lap time is achieved by a driver who was classified outside the top ten positions, or if the leader has completed less than 50% of the scheduled race distance.

At those **Competitions** where a sprint session takes place, points for both titles will be awarded based on the final sprint session classification according to the following scale:

<b>Position</b>	<b>Points</b>
1 <sup>st</sup>	8
2 <sup>nd</sup>	7
3 <sup>rd</sup>	6
4 <sup>th</sup>	5
5 <sup>th</sup>	4
6 <sup>th</sup>	3
7 <sup>th</sup>	2
8 <sup>th</sup>	1

**6.5** If a race is suspended in accordance with Article 57, and cannot be resumed, points for each title will be awarded in accordance with the following criteria:

- a) No points will be awarded If the leader has completed less than two (2) laps.
- b) In each case detailed in Article 6.5c), 6.5d), 6.5e) and 6.5f), no points will be awarded unless a minimum of two (2) laps have been completed by the leader without a Safety Car and/or VSC intervention.
- c) If the leader has completed two (2) laps but less than 25% of the scheduled race distance, points will be awarded in accordance with column 1 of the table below.
- d) If the leader has completed 25% but less than 50% of the scheduled race distance, points will be awarded in accordance with column 2 of the table below.
- e) If the leader has completed 50% but less than 75% of the scheduled race distance, points will be awarded in accordance with column 3 of the table below.
- f) If the leader has completed 75% or more of the scheduled race distance, full points will be awarded in accordance with Article 6.4.

<b>Position</b>	<b>Points Column 1</b>	<b>Points Column 2</b>	<b>Points Column 3</b>
1 <sup>st</sup>	6	13	19
2 <sup>nd</sup>	4	10	14
3 <sup>rd</sup>	3	8	12
4 <sup>th</sup>	2	6	10
5 <sup>th</sup>	1	5	8
6 <sup>th</sup>		4	6
7 <sup>th</sup>		3	4
8 <sup>th</sup>		2	3
9 <sup>th</sup>		1	2
10 <sup>th</sup>			1

**6.6** If a sprint session is suspended in accordance with Article 57 and cannot be resumed, points for each title will not be awarded:

- a) If the leader has completed less than two (2) laps without a Safety Car and/or VSC intervention; or

- b) If the leader has completed less than 50% of the scheduled sprint session distance.
- 6.7 If the formation lap is started behind the safety car (see Article 49), the original sprint session distance will be deemed to be the distance calculated in accordance with Article 5.3a)ii). However, the maximum sprint session time of one and a half (1.5) hours (see Article 5.3a)i)) will commence at the scheduled sprint session start time.
- 6.8 If the formation lap is started behind the safety car (see Article 49), the original race distance will be deemed to be the distance calculated in accordance with Article 5.4c). However, the maximum race time of three (3) hours (see Article 5.4b)) will commence at the scheduled race start time.
- 6.9 A representative of the Competitor finishing first in the Championship for Constructors and the drivers finishing first, second and third in the Championship for drivers must be present at the annual FIA Prize Giving ceremony.

## 7) DEAD HEAT

- 7.1 Prizes and points awarded for all the positions of Competitors who tie, will be added together and shared equally.
- 7.2 If two or more constructors or drivers finish the Championship with the same number of points, the higher place in the Championship (in either case) shall be awarded to:
  - a) The holder of the greatest number of first places in a race.
  - b) If the number of first places is the same, the holder of the greatest number of second places in a race.
  - c) If the number of second places is the same, the holder of the greatest number of third places in a race and so on until a winner emerges.
  - d) If this procedure fails to produce a result, the FIA will nominate the winner according to such criteria as it thinks fit.

## 8) COMPETITORS APPLICATIONS

- 8.1 Applications to compete in the Championship may be submitted to the FIA during the period 21 October to 1 November inclusive of the year prior to the year to which the application relates on an entry form as set out in Appendix 2 hereto accompanied by an undertaking to pay the entry fee, calculated in accordance with Appendix 4, to the FIA no later than 10 December of the year prior to the year to which the application relates. Applications at other times will only be considered if a place is available and on payment of a late entry fee to be fixed by the FIA. Entry forms will be made available by the FIA who will notify the applicant of the result of the application within thirty (30) days of its receipt.

Successful applicants are automatically entered in all **Competitions** of the Championship and will be the only Competitors at **Competitions**.

- 8.2 Applications shall include:
  - a) Confirmation that the applicant has read and understood the Regulations and agrees, on its own behalf and on behalf of everyone associated with its participation in the Championship, to observe them.
  - b) The name of the team (which must include the name of the chassis).
  - c) The make of the competing car.
  - d) The make of the engine.

- e) The names of the drivers. A driver may be nominated subsequent to the application upon payment of a fee fixed by the FIA.
  - f) An undertaking by the applicant to participate in every **Competition** with the number of cars and drivers entered.
- 8.3** A Competitor may change the make of engine at any time during the Championship. All points scored with an engine of different make to that which was first entered in the Championship may count (and will be aggregated) for the assessment of a commercial benefit, however such points will not count towards (nor be aggregated for) the FIA Formula One Constructors Championship. A major car manufacturer may not directly or indirectly supply engines for more than three (3) Competitors of two (2) cars each without the consent of the FIA. For the purposes of this Article 8.3, a major car manufacturer is a company whose shares are quoted on a recognised stock exchange or the subsidiary of such a company.
- 8.4** With the exception of those whose cars have scored points in the Championship of the previous year, applicants must supply information about the size of their company, their financial position and their ability to meet their prescribed obligations.
- 8.5** All applications will be studied by the FIA and accepted or rejected at its absolute discretion. The FIA will publish the list of cars and drivers accepted together with their race numbers on or before 15 December of the year prior to the year to which the applications relate, having first notified unsuccessful applicants as set out in Article 8.1. Out-of-time applications will be considered separately.
- 8.6** No more than twenty-six (26) cars will be admitted to the Championship, two (2) being entered by each Competitor.
- 8.7** If in the opinion of the F1 Commission, a Competitor fails to operate his team in a manner compatible with the standards of the Championship or in any way brings the Championship into disrepute, the FIA may exclude such Competitor from the Championship forthwith.

## **9) CAR LIVERY AND COMPETITION NUMBERS**

### **9.1 Car Livery**

- a) The provisions of the Code relating to national colours shall not apply to the Championship.
- b) Both cars entered by a Competitor must be presented in substantially the same livery at every **Competition**, any significant change to this livery during a Championship may only be made with the agreement of the FIA and the Commercial Rights Holder.
- c) In order that the cars of each Competitor may be easily distinguished from one another whilst they are on the track, the on-board cameras located above the principal roll structure of the first car must remain as it is supplied to the Competitor and the second car must be predominantly fluorescent yellow.
- d) The name or the emblem of the make of the car must appear on the front of the nose of the car and in either case be at least 25mm in its largest dimension.
- e) The name of the driver must appear on the external bodywork of the car and be clearly legible.
- f) Each car will carry the competition number of its driver as published by the FIA at the beginning of the Championship or the competition number that has been

allocated to his replacement in accordance with Article 32.4c). This number must be clearly visible from the front of the car and on the driver's crash helmet.

## 9.2 Competition Numbers

- a) Prior to the start of the 2014 FIA Formula One World Championship competition numbers were permanently allocated to drivers by ballot, such numbers must then be used by that driver during every Formula One World Championship **Competition** he takes part in throughout his career in Formula 1.
- b) A driver's career in Formula 1 will be deemed to have ended if he does not participate in **a Competition** for two (2) entire consecutive Championships.
- c) Any new drivers, either at the start of or during a Championship, will also be allocated a permanent competition number in the same way.
- d) The only exception to this allocation process will be for the reigning World Champion who will have the option to use the number one. The competition number that was previously allocated to him will be reserved for him in subsequent Championship if he does not retain the title of World Champion.

## 10) TRACK RUNNING TIME OUTSIDE A COMPETITION

### 10.1 Testing of Current Cars (TCC)

- a) Testing of Current Cars (TCC) shall be defined as any track running time, not part of **a Competition**, in which a Competitor entered in the Championship participates (or in which a third party participates on behalf of a Competitor or a supplier of a homologated power unit), using cars which were designed and constructed in order to comply with the Technical Regulations of the Championship, or the following year's Championship. No Competitor may sell or make available any such car of the current year to any third party without the prior authorisation of the FIA.
- b) During any TCC, cars must be fitted with the FIA ECU required by Article 8.3 of the Technical Regulations.
- c) Red flag and end-of-session procedures must be respected.
- d) The fuel handling procedures set out in Article 36 must be respected.
- e) No other type of automobile is permitted on the track.
- f) Cars being driven by drivers who do not qualify for a Super Licence must be fitted with a green main rear light which must be illuminated at all times the car is on the track.
- g) Every reasonable effort should be made to ensure that the recommendations concerning emergency services detailed in Supplement 1 of Appendix H to the Code are followed.

### 10.2 Testing of Previous Cars (TPC) and Testing of Mule Cars (TMC)

- a) Testing of Previous Cars (TPC) and Testing of Mule Cars (TMC) shall be defined as any track running time, not part of **a Competition**, in which a Competitor entered in the Championship participates (or in which a third party participates on behalf of a Competitor or a supplier of a homologated power unit), using cars which were designed and constructed in order to comply with the Technical Regulations of any of the three (3) calendar years falling immediately prior to the calendar year of the Championship. No Competitor may sell or make available any such car to any third party without the prior authorisation of the FIA.



- b) TPC and TMC may only take place on tracks currently holding an FIA Grade 1 or FIA Grade 1T Track Licence.
- c) TPC may only be carried out with cars constructed to the specification of the period and TMC may only be carried out with cars designed and constructed according to Article 10.9b)ii).
- d) During any TPC or TMC, cars must be fitted with the FIA ECU required by Article 8.3 of the Technical Regulations.
- e) Only tyres manufactured specifically for this purpose by the appointed tyre supplier may be used (other than as required under Article 10.9b)ii)).

### 10.3 Testing of Historic Cars (THC)

- a) Testing of Historic Cars (THC) shall be defined as any track running time, not part of a **Competition**, in which a Competitor entered in the Championship participates (or in which a third party participates on behalf of a Competitor), using cars which were designed and constructed in order to comply with the Technical Regulations in force during the years preceding those referred to in Article 10.2 above.
- b) THC may only be carried out with cars constructed to the specification of the period.
- c) Only tyres manufactured specifically for this purpose by the appointed tyre supplier, or tyres of the period, may be used.

### 10.4 TCC Promotional Events (PE)

- a) A Promotional Event (PE) shall be defined as an event in which a Competitor participates purely for marketing or promotional purposes.
- b) A PE must not exceed 100km.
- c) During any PE, cars must be fitted with the FIA ECU required by Article 8.3 of the Technical Regulations.
- d) Only tyres manufactured specifically for this purpose by the appointed tyre supplier may be used.
- e) Each Competitor will be permitted to carry out two (2) PE's with the cars defined in Article 10.1 which will not be considered a TCC.

### 10.5 Demonstration Events (DE)

- a) A Demonstration Event (DE) shall be defined as an event in which a Competitor participates purely for demonstration purposes.
- b) No DE using cars defined in Article 10.1 may exceed 15km.
- c) No DE using cars defined in Article 10.2 may exceed 50km.
- d) During any DE, only tyres manufactured specifically for this purpose by the appointed tyre supplier may be used.
- e) During any DE, cars must be fitted with the FIA ECU required by Article 8.3 of the Technical Regulations.
- f) At the sole discretion of the FIA, and with the full knowledge of all Competitors, each Competitor will be permitted to carry out:
  - i) Two (2) DE's with the cars defined in Article 10.1 which will not be considered a TCC.

- ii) DE's organised by the Commercial Rights Holder with the cars defined in Article 10.1 which will not be considered a TCC.

#### 10.6 Safety and Technical Requirements for TCC, TPC, TMC, PE and DE

- a) TCC, TPC and TMC running may only take place between 9:00 and 18:00, with the exception of any TCC, TPC or TMC being carried out at night, in which case a new test schedule lasting no more than nine (9) hours will be arranged.
- b) Competitors may only participate in TCC, TPC, TMC or PE using cars which:
  - i) Have been subjected to, and fulfilled the requirements of the static and dynamic tests described in the Technical Regulations of the relevant year.
  - ii) Comply with all the safety-related requirements of the Technical Regulations. Minimal exceptions will be accepted for the sole purpose of test sensor installations, provided they do not compromise the safety of the driver, team personnel or marshals. Any such exceptions must be communicated to the FIA no less than seven (7) days prior to the start of the activity. The FIA may, at its absolute discretion deem such a design to be unsafe and request for the modification to be taken off the car.
- c) If, after an incident during a TCC, TPC and/or TMC, the Medical Warning Light signals that threshold forces have been exceeded the driver must present himself for examination in the circuit medical centre without delay.

#### 10.7 Information to be provided to the FIA

- a) In order that an FIA observer may be appointed, Competitors must inform the FIA of any planned TPC, PE or DE at least 72 hours before it is due to commence, the following information should be provided:
  - i) The precise specification of the car(s) to be used.
  - ii) The name(s) of the driver(s).
  - iii) The type of activity.
  - iv) The date(s) and intended duration of the activity.
  - v) The purpose of the activity.

#### 10.8 TCC Opportunities

- a) TCC's may only take place on tracks located in Europe (unless agreed by the majority of the Competitors and the FIA, or as specified in Article 10.8e)) and may never occur whilst a Championship **Competition** is taking place.
- b) TCC's shall be limited to the opportunities detailed in this Article 10.8.
- c) Two (2) tests, which are open to all Competitors, each of three (3) consecutive days' duration carried out between 1 February and four (4) days before the start of the first **Competition** of the Championship. Each Competitor may only use one (1) car on each day.
  - i) During these tests, and between the running times as specified in Article 10.6a), the provisions of Article 21 will apply, with the following additional exceptions, when covers may be used:
    - Anytime the floor of a car being used for testing is not fitted.
    - During the recovery and repair of a car damaged during track running

- ii) One (1) day from any of these two (2) tests may be set aside for testing of wet-weather tyres if requested by the appointed tyre supplier. Arrangements for this day of testing will be made in full consultation with all Competitors and the FIA.
- d) One (1) test, one (1) day in duration carried out on the circuit at which the last **Competition** of the Championship was held, such test commencing no less than thirty-six (36) hours after the end of the **Competition**.
  - i) Each Competitor must use two (2) cars at this test which must be in an identical configuration to that used in at least one (1) race during the current Championship year. These cars must fully comply with the provisions of the Technical Regulations.
  - ii) One (1) car must be driven by drivers who **are in possession of or who qualify for a Super Licence have participated in at least one (1) race during the Championship that has just been completed**, and must be for the sole purpose of providing Competitors with the chance to test the tyre specifications to be used the following season.
  - iii) One (1) car must be for the sole purpose of providing Young Drivers with the opportunity to test current Formula 1 cars. Drivers eligible for this purpose must:
    - Be in possession of an FIA International A Licence
    - Not have competed in more than two (2) Formula 1 World Championship races during their career
- e) Testing organised by the FIA in consultation with all Competitors and the appointed tyre supplier, for the sole purpose of providing the appointed tyre supplier with the chance to test improvements to the design of their tyres.
  - i) Drivers participating in these tests must be in possession of a Super Licence or Free Practice Super Licence, and must have competed in at least one (1) Formula 1 **Competition** during their careers.
  - ii) Any such testing scheduled at a circuit hosting **a Competition** of the Championship may only be carried out after that **Competition** has taken place.
  - iii) Tests arranged by the appointed tyre supplier for the evaluation of either dry-weather or wet-weather tyres may be carried out between the end of the first **Competition** of the Championship and 15 December. Cars at these tests must only use components of a specification that have been used in at least one (1) race or TCC during the current Championship year. These cars must fully comply with the provisions of the Technical Regulations.
- f) One (1) day, carried out between the start of a ten (10) day period which precedes the start of the second **Competition** and the last **Competition** of the Championship, in case a Competitor declares that one of its current race drivers is to be substituted by a driver who has not participated in a Formula 1 World Championship race in the two (2) previous calendar years. The following must be observed:
  - i) Any such day may only be carried out by the new driver and may not take place on a circuit hosting a race in the current Championship year.
  - ii) Any such day may only take place within a period fourteen (14) days prior to the substitution and fourteen (14) days after the substitution has taken place.

- iii) If a Competitor, having declared the driver's substitution and performed the test, does not then enter a Competition with the new driver, the Competitor will be penalised by a reduction of one (1) day from the pre-season TCC days available in the following year.
- iv) Only one (1) car may be used.

#### 10.9 TMC Opportunities

- a) TMC's are limited to the opportunities detailed in this Article 10.9.
- b) Testing organised by the FIA in consultation with all Competitors and the appointed tyre supplier, for the sole purpose of providing the appointed tyre supplier with the chance to test improvements to the design of their tyres.
  - i) Drivers participating in these tests must be in possession of a Super Licence or Free Practice Super Licence, and must have competed in at least one (1) Formula 1 Competition during their careers.
  - ii) Tests arranged by the appointed tyre supplier for the evaluation of wet-weather tyres may be carried out between the end of the first Competition of the Championship and 15 December using cars which were designed and constructed in order to comply with the Technical Regulations of any of the three (3) calendar years falling immediately prior to the calendar year of the Championship, appropriately modified to fit 18" wheels (Mule Cars). Modifications are limited to tyres, wheel rims, wheel rim covers and any further parts necessary to achieve the effective installation of 18" wheels, and the appropriate car mass, car weight distribution or aerodynamic forces, as approved by the FIA.

10.10 A maximum of thirty (30) car days of testing for the sum of testing provided for by Art.10.8e and Art.10.9 shall be organised by the FIA.

#### 10.11 Car limitations during tyre testing

- a) Test parts, test software, component changes and set-up changes

For tyre testing carried out under Articles 10.8d), 10.8e) and 10.9:

No test parts, test software, component changes or set-up changes will be permitted which give any sort of information to the Competitor that is unrelated to the tyre test. Mechanical set-up changes, driver control changes, software and component changes are only permitted if they are necessary for the correct evaluation of the tyres or to complete the tyre test. Set-up changes and driver control changes must be agreed in advance with the tyre supplier. Component and software changes must be approved by the FIA. A replacement component may be approved in cases such as damage to the original and should be of the same specification. Exceptionally, if a same specification component is unavailable, a component of a different specification which has been previously used at a Competition or TCC may be approved. The provisions of Article 8.15 of the Technical Regulations will not be applicable.

- b) Additional sensors and logging

- i) For tyre testing carried out under Articles 10.8d):

Additional logging and sensors are prohibited.

- ii) For tyre testing carried out under Articles 10.8e) and 10.9:

Additional sensors may be fitted on the car to measure tyre state and or performance and must be agreed with the appointed tyre supplier and the FIA in advance. Data collected from such sensors must be shared with the appointed tyre supplier in due time after the test session, and processed data from such sensors (having removed any team-specific information) may be shared by the appointed tyre supplier with the other Competitors.

## 11) PROMOTER

11.1 An application to promote a **Competition** must be made to the ASN of the country in which the **Competition** is to take place, which will apply to the FIA. It must be accompanied by written evidence that the promoter has made arrangements to secure the participation of Competitors, which arrangements are conditional only upon the FIA entering the **Competition** on the Championship calendar.

## 12) ORGANISATION OF COMPETITIONS

12.1 An organiser is a body nominated by the ASN and appointed by the FIA. Upon deciding to grant an application to hold a **Competition**, the FIA will invite the relevant ASN to organise it or to nominate an organiser. If the ASN is not in a position to do so, the FIA may itself appoint an organiser. The organiser must be a club or body acceptable to the FIA and must enter into an organisation agreement with the FIA when it applies to organise the **Competition**.

## 13) INSURANCE

13.1 The promoter of a **Competition** must procure that all Competitors, their personnel and drivers are covered by third party insurance in accordance with the FIA requirements.

13.2 Ninety (90) days before the **Competition**, the promoter must send the FIA details of the risks covered by the insurance policy which must comply with the national laws in force as well as the FIA requirements. Sight of the policy must be available to the Competitors on demand.

13.3 Third party insurance arranged by the promoter shall be in addition and without prejudice to any personal insurance policy held by a Competitor or any other participant in the **Competition**.

13.4 Drivers taking part in the **Competition** are not third parties with respect to one another.

## 14) FIA DELEGATES

14.1 For each **Competition** the FIA will nominate the following delegates:

- a) Safety Delegate.
- b) Medical Delegate.
- c) Technical Delegate.
- d) Media Delegate.

And may nominate:

- e) A representative of the President of the FIA.
- f) A Deputy Race Director.
- g) A Deputy Medical Delegate
- h) An Observer.
- i) A safety car driver.
- j) A medical car driver.

- 14.2 The role of the FIA delegates is to help the officials of the **Competition** in their duties, to see within their fields of competence that all the regulations governing the Championship are respected, to make any comments they judge necessary and to draw up any necessary reports concerning the **Competition**.
- 14.3 The Technical Delegate nominated by the FIA is responsible for scrutineering. In this respect he may carry out, or have carried out by scrutineers, at his discretion, any checks to verify the compliance of the cars entered in the **Competition**, at any time until the end of the **Competition**, without prior request from the stewards or clerk of the course. The Technical Delegate has full authority over the national scrutineers.

## 15) OFFICIALS

- 15.1 From among holders of an FIA Super Licence the following officials will be nominated by the FIA:
- Three stewards one of whom will be appointed chairman.
  - A Race Director.
  - A Permanent Starter.
- 15.2 From among holders of an FIA Super Licence the following officials will be nominated by the ASN and their names sent to the FIA at the same time as the application to organise the **Competition**:
- One steward from among the ASNs nationals.
  - The clerk of the course.
- 15.3 The clerk of the course shall work in permanent consultation with the Race Director. The Race Director shall have overriding authority in the following matters and the clerk of the course may give orders in respect of them only with his express agreement:
- The control of practice, sprint session and the race, adherence to the timetable and, if he deems it necessary, the making of any proposal to the stewards to modify the timetable in accordance with the Code or Sporting Regulations.
  - The stopping of any car in accordance with the Code or Sporting Regulations.
  - The stopping of practice, suspension of a sprint session or suspension of the race in accordance with the Sporting Regulations if he deems it unsafe to continue and ensuring that the correct restart procedure is carried out.
  - The starting procedure.
  - The use of the safety car.
- 15.4 The stewards, the Race Director, the clerk of the course and the Technical Delegate must be present at the start of the **Competition**.
- 15.5 In exceptional circumstances, should any stewards not be present at the start of the **Competition**, they must be available and contactable at all times to fulfil their duties.
- 15.6 The Race Director must be in radio contact with the clerk of the course and the chairman of the stewards at all times when cars are permitted to run on the track. Additionally, the clerk of the course must be in race control and in radio contact with all marshal's posts during these times.
- 15.7 The stewards may use any video or electronic means to assist them in reaching a decision. The stewards may overrule judges of fact.

## **16) INSTRUCTIONS AND COMMUNICATIONS TO COMPETITORS**

- 16.1 The stewards or Race Director may give instructions to Competitors by means of special circulars in accordance with the Code. These circulars will be distributed to all Competitors who must acknowledge receipt.
- 16.2 All classifications and results of practice, sprint session and the race, as well as all decisions issued by the officials, will be published using the FIA document management system.
- 16.3 Any decision or communication concerning a particular Competitor should be given to him within twenty-five (25) minutes of such decision, and receipt must be acknowledged.

## **17) PROTESTS AND APPEALS**

- 17.1 Protests shall be made in accordance with the Code and accompanied by a fee of €2000.
- 17.2 Appeals shall be made in accordance with the Code and accompanied by a fee of €6000.
- 17.3 Appeals may not be made against decision concerning the following:
- a) Penalties imposed under Articles 54.3a), 54.3b), 54.3c), 54.3d), 54.3e), 54.3f) or 54.3g), including those imposed during the last three (3) laps or after the end of a sprint session or a race.
  - b) Any drop of grid positions imposed under Article 28 and Article 29.
  - c) Any penalty imposed under Article 37.4.
  - d) Any decision taken by the stewards in relation to Articles 41.2 and 42.2
  - e) Any penalty imposed under Articles 43.5, 44.4 or 58.3.
  - f) Any decision taken by the stewards under Article 4.2.

## **18) SANCTIONS**

- 18.1 The stewards may impose the penalties specifically set out in these Sporting Regulations in addition to or instead of any other penalties available to them under the Code.
- 18.2 Any driver who receives five (5) reprimands in the same Championship will, upon the imposition of the fifth, be given a ten (10) grid place penalty for the race at that **Competition**. If the fifth reprimand is imposed following an Incident during a race the ten (10) grid place penalty will be applied at the driver's next **Competition**.
- The ten (10) grid place penalty will only be imposed if at least four (4) of the reprimands were imposed for a driving infringement.

## **19) PRESS CONFERENCES, MEDIA OPPORTUNITIES, DRIVERS ACTIVITIES AND NATIONAL ANTHEM**

- 19.1 Day before on track running
- a) All drivers must be available to participate in official media and promotional activities (as defined by the Media Delegate) for a maximum duration of 30 minutes during a two (2) hour period, commencing 23 hours prior to the scheduled start of P1. Any driver not taking part in an official FIA Press Conference (as designated by the Media Delegate) must take part in a separate media session organised by their team.
  - b) Each Competitor must provide a summary document to the Media Delegate listing the name and brief description of all major aerodynamic and bodywork

components and assemblies that have not been run at a previous **Competition** or TCC and are intended to be run at the **Competition** (requirements and format as defined by the Media Delegate, in conjunction with the Commercial Rights Holder). This summary document must be provided no later than twenty-three (23) hours prior to the scheduled start of P1.

- i) The contents of this document will remain with the FIA and the Commercial Rights Holder and will not be provided to the media until the start of the pre-event car display.

## 19.2 First day of on track running

- a) Each Competitor must make both of its cars available outside their designated garage area for the pre-event car display for a period of up to one (1) hour, which will commence no later than one and a half (1.5) hours prior to the start of P1.
  - i) Each car must be nominally complete and fitted with all major aerodynamic and bodywork components that are intended to be used when the car leaves the pit lane for the first time in P1.
  - ii) During this period, each car must be positioned as determined by the Media Delegate and one (1) car may be used for pit-stop practice or electronic / optical scanning of its surfaces.
  - iii) Exceptions to the pre-event car display will be permitted with prior written approval of the Technical Delegate.
- b) All drivers must be made available to media at their team's hospitality for a minimum of five (5) minutes within the one (1) hour period after the end of P2

### ~~e) At each event where a sprint session is scheduled:~~

- ~~i) Commencing thirty (30) minutes after the end of the qualifying practice session, for a period of up to one (1) hour, all cars must be made available for the post-qualifying car display. Unless otherwise determined by the Technical Delegate, all cars must be complete and no work is permitted to be undertaken on each car during this period. Each car must be positioned as determined by the Media Delegate. Any car that suffers genuine accident damage, as specified in Article 40.2u) will be exempt from the post-qualifying car display.~~

~~During this period one (1) car from three (3) different Competitors (as specified by the Media Delegate and Technical Delegate) and a senior technical or sporting representative of the Competitor must be available for a period of at least 10 minutes to describe to the media all major aerodynamic and bodywork component updates made to their car following the pre-event car display.~~

## 19.3 Second day of on track running

- a) A maximum of six (6) team representatives will be selected by the Media Delegate to participate in media activities (as defined by the Media Delegate) for a period of one (1) hour, finishing no later than one and a half (1.5) hours prior to the scheduled start of P3 (for each **Competition** where a sprint session is not scheduled) or P2 (for each **Competition** where a sprint session is scheduled).
  - i) At the sole discretion of the Media Delegate, the Competitor representatives may be split into two (2) groups of three (3) and rotate between different media activities.



- ii) Each Competitor must have at least three (3) senior Competitor representatives to take part in these media activities during the Championship.
  - iii) A list of at least two (2) senior Competitor representatives at each **Competition** available to take part in these media activities must be sent by each Competitor to the Media Delegate no later than ten (10) days before the start of each **Competition**.
- b) Within a one (1) hour period finishing no later than one and a half (1.5) hours prior to the scheduled start of P3, all drivers must be available for fan activities (including, but not limited to, autograph sessions and fan forums) for a maximum period of fifteen (15) minutes each within the one (1) hour period.
  - c) All drivers eliminated in Q1 or Q2 must make themselves available for media interviews immediately following the end of each part of the session. In addition, all drivers who participated in Q3, and who are not required to take part in the post-qualifying press conference, must make themselves available for media interviews immediately following Q3.
  - d) Immediately after the end of the qualifying practice session the first three (3) drivers in the qualifying practice session will take part in the post-qualifying procedures as prescribed in a Media Delegate's Note issued prior to the session.
  - e) For the duration of the TV pen interviews and post qualifying press conference, all Drivers must remain attired in their respective teams' uniform only.
  - ~~f) Commencing thirty (30) minutes after the end of the qualifying practice session, for a period of up to one (1) hour, all cars must be made available for the post-qualifying car display. Unless otherwise determined by the Technical Delegate, all cars must be complete and no work is permitted to be undertaken on each car during this period. Each car must be positioned as determined by the Media Delegate. Any car that suffers genuine accident damage, as specified in Article 40.2u) will be exempt from the post-qualifying car display.  
  
During this period one (1) car from three (3) different Competitors (as specified by the Media Delegate and Technical Delegate) and a senior technical or sporting representative of the Competitor must be available for a period of at least 10 minutes to describe to the media all major aerodynamic and bodywork component updates made to their car following the pre-event car display.~~
  - f) The period commencing two (2) hours and ending three (3) hours after the qualifying practice session, a maximum of six (6) drivers selected by the Media Delegate in conjunction with the Commercial Rights Holder on a rotational basis must be available for an additional fan activity for a maximum of twenty (20) minutes each driver.
  - g) At each **Competition** where a sprint session is scheduled:
    - i) any driver retiring before the end of sprint must make himself available for media interviews after his return to the paddock.
    - ii) All drivers who finish the sprint session outside the top three (3) must make themselves available immediately after the sprint session for media interviews.
    - iii) Immediately after the sprint session the first three (3) drivers in the session will be required to attend a press conference in the media centre for a

maximum period of thirty (30) minutes, then make themselves available for television interviews for a maximum of thirty (30) minutes.

#### 19.4 Third day of on track running

- a) With the exception of a Competition where a sprint session is scheduled, commencing five (5) hours before the scheduled start of the formation lap for the race, for a period of up to one (1) hour, all cars must be made available for the post-qualifying car display. Unless otherwise determined by the technical delegate, all cars must be complete and no work is permitted to be undertaken on each car during this period, other than for the following exceptions:
- i) Any car that suffers genuine accident damage, as specified in Article 40.2u). In which case the car does not need to be complete, and work is permitted.
  - ii) Any car that requires the replacement of a Power Unit as defined in column one of Appendix 3 of the Technical Regulations (Article 5.1.2, Definition) or the replacement or investigation of a significant reliability concern of the component(s) of this Power Unit, with express permission of the FIA. In which case the car does not need to be complete, and work is permitted.
  - iii) All cars that were chosen to undergo further checks at the end of the qualifying practice session under Article 40.5 will be permitted to commence work on their cars starting prior to the end of the period specified in Article 19.4a). This will be for the time equivalent to the time period between when any of the top ten cars were released back to the Competitors to when the cars retained for further checks were released to the Competitors. This period will be communicated by the FIA, and in exceptional cases if necessary may include the earlier removal of the seals and covers specified in Article 40.8.

During this period up to three (3) cars will be chosen to undergo further checks. Once informed their car has been selected the Competitor concerned must take the car to the Parc Fermé immediately.

For the remaining cars, each car must be positioned as determined by the Media Delegate.

During this period one (1) car from three (3) different Competitors (as specified by the Media Delegate and Technical Delegate) and a senior technical or sporting representative of the Competitor must be available for a period of at least 10 minutes to describe to the media all major aerodynamic and bodywork component updates made to their car following the pre-event car display.

- b) All drivers must attend a thirty (30) minute drivers parade or presentation (including, but not limited to, group photos, social media activities, celebrity interaction or trackside fan engagement) commencing two (2) hours before the scheduled start of the formation lap. Competitors will be given details of the activity by the Media Delegate.
- c) No less than sixteen (16) minutes before the scheduled start of the formation lap all drivers must be present at the front of the grid for the playing of the national anthem. Competitors will be provided the pre-race procedures as set out in the Media Delegate's Note issued prior to the session.
- d) Any driver retiring before the end of the race must make himself available for media interviews after his return to the paddock.

- e) Immediately after the race, the first three (3) drivers will take part in the post race procedures as set out in the Media Delegate's Note issued prior to the session.
- f) All drivers who finish the race outside the top three (3) must make themselves available immediately after the end of the race for media interviews. In addition, any driver who does not have a written media session organised by their team after the race must attend a group session as defined by the Media Delegate.
- g) During the race, each Competitor must make at least one (1) senior spokesperson available for interviews by officially accredited TV crews.
- h) Commencing one (1) and ending two (2) hours after the end of the race, each Competitor must make one (1) senior spokesperson available to media at their team's hospitality for a minimum of five (5) minutes.

## 20) MEETINGS

- 20.1 At each **Competition** where a sprint session is scheduled, Meetings, chaired by the Race Director, will take place three (3) hours before the start of P1, one (1) hour after the end of P1 and one and a half (1.5) hours after the end of the qualifying practice session. The first must be attended by all team managers and the second and third by all drivers and team managers.
- 20.2 At each **Competition** where a sprint session is not scheduled, Meetings, chaired by the Race Director, will take place three (3) hours before the start of P1 and one and a half (1.5) hours after the end of P2. The first must be attended by all team managers and the second by all drivers and team managers.
- 20.3 Should the Race Director consider another meeting necessary it will take place three hours before the start of the race. Competitors will be informed no later than five (5) hours before the start of the race. All drivers and team managers must attend.

## 21) COVERING OF COMPONENTS DURING A COMPETITION

- 21.1 Commencing twenty-nine (29) hours prior to the scheduled start of P1, no screen, cover or other obstruction which in any way obscures any part of a car will be allowed at any time in the paddock, garages, pit lane or grid, unless it is clear any such covers are needed solely for mechanical reasons, which could, for example, include protecting against fire.
- 21.2 In addition to the restrictions detailed in Article 21.1, the following are specifically not permitted:
- a) Engine, gearbox or radiator covers whilst engines are being changed or moved around the garage.
  - b) Covers over spare wings when they are on a stand in the pit lane not being used.
  - c) Parts such as (but not limited to) spare floors, fuel rigs or tool trolleys may not be used as an obstruction.
- 21.3 The following are permitted:
- a) Covers which are placed over damaged cars or components.
  - b) A transparent tool tray, no more than 50mm deep, placed on top of the rear wing.
  - c) Warming or heat retaining covers for the engine and gearbox on the grid.

- d) A rear wing cover designed specifically to protect a mechanic starting the car from fire.
- e) Covers over the tyre manufacturer's code numbers (not the FIA bar code numbers).
- f) A cover over the car in the parc fermé overnight.
- g) A cover over the car in the pit lane or grid if it is raining.
- h) Tyre heating blankets as described in Article 10.8.4d) and 10.8.5 of the Technical Regulations.

## **22) DRIVER ADJUSTABLE BODYWORK**

**22.1** Driver adjustable bodywork permitted by Article 3.10.10 of the Technical Regulations.

- a) The driver adjustable bodywork may only be activated by the driver in any of the pre-determined activation zones around each circuit. In conditions of poor visibility however the Race Director may, at his absolute discretion, disable all such systems until conditions improve.
- b) If the adjustable bodywork is disabled in this way at any time during any of the three periods of the qualifying practice session (Q1, Q2 or Q3) it will remain disabled for the remainder of the relevant period.
- c) For the sole purpose of improving overtaking opportunities during the sprint session and the race the adjustable bodywork may be activated by the driver after he has completed two (2) laps after the start or following a safety car period during each sprint session or a race.
- d) The driver may only activate the adjustable bodywork in a sprint session or the race when he has been notified via the control electronics (see Article 8.2 of the Technical Regulations) that it is enabled. It will be enabled, and may only be used by the driver, if he is less than one (1) second behind another at any of the pre-determined detection points around each track.
- e) The system will be disabled by the control electronics the first time the driver uses the brakes after he has activated the system.
- f) In conditions of poor visibility, or if yellow flags are being shown in the activation zone, the Race Director may, at his absolute discretion, disable all such systems until conditions improve or yellow flags are withdrawn.
- g) The FIA may, after consulting all Competitors, adjust the above time proximity in order to ensure the stated purpose of the adjustable bodywork is met.
- h) In the event of a failure in the system which notifies the driver that he was within one (1) second of the car in front, and is hence authorised to use the adjustable bodywork, the Competitor concerned may ask the Race Director for permission to override the system. If permission is given in this way the onus will be upon the Competitor concerned to ensure that their driver only uses the adjustable bodywork if he is within one (1) second of the car in front of him.
- i) If the failure in the system is rectified the driver may no longer use this override, the Race Director will notify the Competitor if and when the fault has been remedied.

## **23) OPERATIONAL PERSONNEL DURING A COMPETITION**

**23.1** For the purposes of this Article 23 only:

- a) a Closed Event will be determined at the sole discretion of the FIA and the Commercial Rights Holder and will be defined as one which does not permit guests access into the Paddock;
  - b) an Open Event will be determined at the sole discretion of the FIA and the Commercial Rights Holder and will be defined as one which does permit guest access into the Paddock.
- 23.2 At each Closed Event during the period beginning twenty-nine (29) hours before the scheduled start of the first free practice session (P1) and ending with the declaration of the official classification of the race, each Competitor may not have more than a total of 115 team personnel, including any trainee personnel, within the confines of the circuit. No more than fifty-eight (58) of these team personnel who are within the confines of the circuit may be associated in any way with the operation of the cars.
- 23.3 At each Open Event during the period beginning twenty-nine (29) hours before the scheduled start of the first free practice session (P1) and ending two (2) hours after the start of the race, each Competitor may not have more than a total of fifty-eight (58) team personnel who are associated in any way with the operation of the cars within the confines of the circuit. However, during the period starting forty-five (45) minutes before the start of the first formation lap until fifteen (15) minutes after the scheduled start of the race the number of such operational personnel is unlimited.
- 23.4 For the avoidance of doubt race drivers and staff whose duties are solely connected with hospitality, team motorhomes, sponsors, marketing, public relations, security or driving trucks to or from the **Competition** are not considered operational personnel.
- 23.5 In addition to the fifty-eight (58) personnel described in Articles 23.2 and 23.3, each Competitor will be permitted twelve (12) individual exceptions during a Championship for trainee personnel, however, no individual trainee may attend more than three (3) **Competitions** in this capacity.
- 23.6 A list of all operational, exempt, trainee and single race personnel must be submitted to the FIA prior to each **Competition** using the official template provided by the FIA
- 23.7
- a) At each **Competition** where a sprint session is not scheduled, **with the exception of the provisions of Article 23.7e)**, team personnel who are associated in any way with the operation of the cars are not permitted within the confines of the circuit during the restricted periods detailed below in this Article 23.7f) to 23.7h).
  - b) At each **Competition** where a sprint session is scheduled, **with the exception of the provisions of Article 23.7e)**, team personnel who are associated in any way with the operation of the cars are not permitted within the confines of the circuit during the restricted periods detailed below in this Article 23.7f) to 23.7g)
  - c) For the avoidance of doubt, race drivers and personnel whose duties are solely connected with catering, media or marketing are exempt from these requirements.
  - d) Boards warning anyone attempting to enter the paddock that the restricted period is in operation will be placed immediately before the turnstiles at the appropriate times.
  - e) **Operational personnel specified in Articles 23.2, 23.3 and 23.5** will be permitted to;
    - i) enter the Paddock thirty (30) minutes prior to each restricted period to **ease congestion at the turnstiles assist social distancing and**
    - ii) **leave the paddock one (1) hour after the start of Restricted Periods One and Two for the sole purpose of exercise on the circuit, meals and socialising.**

During these periods these personnel must cease operational activities. This includes and is not limited to work on the cars or car components necessary to operate the cars and engineers working on computers. Failure to comply with this will be treated as a breach of the relevant Restricted Period. ~~No work is permitted to be undertaken until the restricted period has ended.~~

- f) Restricted Period One: Commencing forty-two (42) hours prior to the scheduled start of P1 and ending twenty-nine (29) hours prior to the scheduled start of P1.
- g) Restricted Period Two: Commencing eighteen (18) hours prior to the scheduled start of P1 and ending four (4) hours prior to the scheduled start of P1.
- h) Restricted Period Three: Commencing thirteen (13) hours prior to the scheduled start of P3 and ending three (3) hours prior to the scheduled start of P3. If the unrestricted time between the end of P2 and the start of the third restricted period exceeds five (5) hours the excess will be added to the start of the third restricted period.

**23.8** Each Competitor will be permitted the following exceptions during the Championship to the requirements of Articles 23.7 and 38.2:

- a) Restricted Period One: Eight (8) exceptions in each Championship
- b) Restricted Period Two: Six (6) exceptions in each Championship
- c) Restricted Period Three and/or cars covered after P2 (Article 38.2a)i) at any one **Competition**: Two (2) exceptions in each Championship
- d) For the avoidance of doubt, these exceptions may not be used consecutively during a single **Competition**.
- e) In the case of a breach of this Article both drivers must start the race from the pit lane and follow the procedures prescribed in Article 44.2.

## **24) COMPETITOR FACTORY SHUTDOWN PERIOD**

**24.1** All Competitors must observe a shutdown period of fourteen (14) consecutive days during the months of July and/or August. If two consecutive **Competitions** during this period are separated by only seventeen (17) days a shutdown period of thirteen (13) consecutive days must be observed. In either case Competitors should notify the FIA of their intended shutdown period within thirty (30) days of the start of the Championship.

**24.2** During the shutdown period no Competitor or affiliate to a Competitor may carry out or instruct a third party supplier to carry out any of the following activities for or on behalf of the Competitor:

- a) Operation or use of any wind tunnel, except as specifically permitted by Article 24.4.
- b) Operation or use of any computer resource for CFD Simulations, except as specifically permitted by Article 24.4.
- c) Production or development of wind tunnel parts, car parts, test parts or tooling.
- d) Sub-assembly of car parts or assembly of cars.
- e) Any work activity by any employee, consultant or sub-contractor engaged in design, development or production (excluding any work activity to be undertaken at the circuit in preparation for the **Competition** immediately following the shutdown period).

- 24.3** Each Competitor must notify its suppliers of the dates of its shutdown period and must not enter into any agreement or arrangement with the intention of circumventing the prohibition on the above activities.
- 24.4** During the shutdown period the following activities will not be considered a breach of the above:
- a) Repairs carried out with the agreement of the FIA to a car seriously damaged during the **Competition** preceding the shutdown period.
  - b) The assembly and servicing of running or static show cars, none of which may entail the production, assembly or servicing of any current car parts.
  - c) The operation and use of any wind tunnel provided this is being carried out for projects with no direct relation to Formula One or for or on behalf of a Competitor that is not at that time within its own shutdown period or for the purposes of maintenance or modifications to the facility (at the exclusion of any activity defined as Restricted Wind Tunnel Testing in Appendix 7 of the Sporting Regulations).
  - d) The operation and use of any computer for CFD simulations provided this is being carried out for projects with no direct relation to Formula One, or for or on behalf of a competitor that is not at that time within its own shutdown period or for the purposes of system or software upgrade or maintenance (but not for activities which may be deemed as methodological development or are defined as Restricted CFD Simulations in Appendix 7 of the Sporting Regulations).
  - e) Any activity the sole purpose of which is supporting projects unconnected to Formula One, subject to the prior written approval of the FIA.

## **25) POWER UNIT MANUFACTURER FACTORY SHUTDOWN PERIOD**

- 25.1** All Power Unit Manufacturers must also observe the shutdown period described in Article 24.1 with an exception for factories based in countries where law and/or unions impose a different closing week. In this case, these factories may replace one week out of two weeks of the shutdown period by the locally imposed week. Power Unit Manufacturers affected by this must make a declaration to the FIA that their staff will not be permitted to transfer to work in the country that isn't shutdown during these periods. In any case Power Unit Manufacturers should notify the FIA of their intended shutdown period within thirty (30) days of the start of the Championship.
- 25.2** During the shutdown period no Power Unit Manufacturer or affiliate to a Power Unit Manufacturer may carry out or instruct a third-party supplier to carry out any of the following activities for or on behalf of the Power Unit Manufacturer:
- a) Any work activity by any employee, consultant or sub-contractor engaged in design, development or production (excluding any work activity to be undertaken at the circuit in preparation for the **Competition** immediately following the shutdown period).
  - b) Operation or use of any test bench except as specifically permitted by Article 25.4. During the shutdown period no occupancy hours nor operations hours may be incremented neither unrestricted test bench hours for projects connected to Formula One.
  - c) Operation or use of any computer resource for simulations except as specifically permitted by Article 25.4.
  - d) Production or development of Power Unit parts, test parts, car parts, or tooling.

- e) Sub-assembly of Power Unit parts or assembly of Power Units.
- 25.3** Each Power Unit Manufacturer must notify its suppliers of the dates of its shutdown period and must not enter into any agreement or arrangement with the intention of circumventing the prohibition on the above activities.
- 25.4** During the shutdown period the following activities will not be considered a breach of the above:
- a) The assembly or servicing of Power Units for running show cars, none of which may entail the production, assembly or servicing of any power unit parts.
  - b) Work on any test bench or computer resource for the purposes of maintenance or modifications to the facility (at the exclusion of any activity defined as Restricted Power Unit Testing or as Commissioning in Appendix 8 of the Sporting Regulations).
  - c) Any activity the sole purpose of which is supporting projects unconnected to Formula One, subject to the written approval of the FIA.

## **26) GENERAL SAFETY**

- 26.1** Official instructions will be given to drivers by means of the signals laid out in the Code. Competitors must not use flags or lights similar to these.
- 26.2** Save where these Sporting Regulations require otherwise, pit lane and track discipline and safety measures will be the same for all practice sessions and sprint session as for the race.
- 26.3** Other than by driving on the track, Competitors are not permitted to attempt to alter the grip of any part of the track surface.
- 26.4** If a car stops on the track, it shall be the duty of the marshals to remove it as quickly as possible so that its presence does not constitute a danger or hinder other Competitors. Under no circumstances may a driver stop his car on the track without justifiable reason.
- If any mechanical assistance received during a sprint session or the race results in the car re-joining the stewards may disqualify him from that sprint session or the race (other than under Article 26.7d)).
- 26.5** A driver who abandons a car must leave it in neutral or with the clutch disengaged, with the ERS shut down and with the steering wheel in place.
- 26.6** Save as specifically authorised by the Code or these Sporting Regulations, no one except the driver may touch a stopped car unless it is in the paddock, the Competitors' designated garage area, the pit lane or on the starting grid.
- 26.7** During the period commencing fifteen (15) minutes prior to and ending five (5) minutes after every practice session and the period between the commencement of the formation lap which immediately precedes the sprint session and the race and the time when the last car enters the parc fermé, no one is allowed on the track, the pit entry or the pit exit with the exception of:
- a) Marshals or other authorised personnel in the execution of their duty.
  - b) Drivers when driving or on foot, having first received permission to do so from a marshal.
  - c) Team personnel when either pushing a car or clearing equipment from the grid after all cars able to do so have left the grid on the formation lap.



- d) Team personnel when assisting marshals to remove a car from the grid after the start of the sprint session or the race.
- 26.8** During a sprint session and a race, the engine may only be started with the starter except in the pit lane or the Competitors' designated garage area where the use of an external starting device is allowed.
- 26.9** Drivers taking part in any practice session, sprint session or the race must always wear the clothes, helmets and head and neck supports specified in the Code.
- 26.10** If a driver has serious mechanical difficulties, he must leave the track as soon as it is safe to do so.
- 26.11** The lights described in Article 14.3 of the Technical Regulations must be illuminated at all times when using intermediate or wet-weather tyres. It shall be at the discretion of the Race Director to decide whether or not a driver should be stopped if no rear light is working. Should a car be stopped in this way the driver may re-join when the fault has been remedied.
- 26.12** Only twelve (12) team members for each Competitor are permitted in the signalling area during any practice session, sprint session and the race.
- 26.13** Unless authorised by the FIA no one under the age of 16 is permitted in the pit lane at the following times:
- a) The period commencing fifteen (15) minutes prior to and ending five (5) minutes after every practice session.
  - b) The period commencing fifteen (15) minutes before the pit exit is opened to allow cars to cover reconnaissance laps and the time when the last car enters the parc fermé after the sprint session or the race has ended.
- 26.14** The Race Director, the clerk of the course or the Medical Delegate can require a driver to have a medical examination at any time during a **Competition**.
- If, after an incident, the Medical Warning Light signals that threshold forces have been exceeded the driver must be examined by the **Competition** medical service without delay, the Medical Delegate will determine the most appropriate place for this examination.
- 26.15** The organiser must make at least two (2) fire extinguishers of 5kg capacity available to each Competitor and ensure that they work properly.
- 26.16** Animals, except those which may have been expressly authorised by the FIA for use by security services, are forbidden on the track, in the pit lane, in the paddock or in any spectator area.
- 26.17** Other than where permitted in Articles 57 and 58, tyre blankets are not permitted in the Pit Lane at any time during the sprint session or the race and must be removed before the tyres are carried to the pit stop area.

## **27) SPARE CARS**

- 27.1** Each Competitor may have no more than two (2) cars available for use at any one time during a **Competition**.
- 27.2** An assembly comprising a survival cell as defined in Article 12.1 of the Technical Regulations and additional components will be deemed to be a car in this context if the survival cell is fitted with anything other than the following components:
- a) components that exist wholly or partially within the survival cell, with the exception of the energy store as defined in Article 5.1.8 of the Technical Regulations;

- b) front axle components of the sprung suspension as defined in Article 10.1.1 of the Technical Regulations;
- c) the steering assembly as listed in Article 10.5 of the Technical Regulations;
- d) the side impact structures;
- e) any components permanently bonded to the survival cell;
- f) any fasteners attached to the survival cell (such as engine mountings).

## 28) POWER UNIT USAGE

**28.1** The only power unit that may be used at a **Competition** during the 2022-2025 Championship seasons is a power unit which is constituted only of elements that were in conformity, at the date they were introduced in the race pool, with the latest submitted and approved homologation dossier as defined in Appendix 4 of the Technical Regulations.

**28.2** Unless a driver drives for more than one (1) Competitor (see Article 28.4 below), and subject to the additions described below, each driver may use no more than three (3) engines (ICE), three (3) motor generator units-heat (MGU-H), three (3) turbochargers (TC), two (2) energy stores (ES), two (2) control electronics (CE), three (3) motor generator units-kinetic (MGU-K) and eight (8) of each of the four (4) elements constituting a set of Engine exhaust systems during a Championship. For the purpose of this article a set of Engine exhaust systems is deemed to comprise the following four (4) elements: primaries LHS, primaries RHS, secondary LHS and secondary RHS.

**28.3** Should a driver use more Power Unit elements than the numbers prescribed in Article 28.2 of any one of the elements during a Championship, a grid place penalty will be imposed upon him at the first **Competition** during which each additional element is used. Penalties will be applied according to the following table and will be cumulative:

- a) The first time an additional element is used: Ten (10) grid place penalty.
- b) The next times an additional element is used: Five (5) grid place penalty.

If a driver incurs a penalty exceeding fifteen (15) grid places he will be required to start the race from the back of the starting grid.

Any of the seven (7) elements will be deemed to have been used once the car's timing transponder has shown that it has left the pit lane.

During any single **Competition**, if a driver introduces more than one of the same Power Unit element which is subject to penalties, only the last element fitted may be used at subsequent **Competitions** without further penalty.

**28.4** If a driver is replaced at any time during the Championship his replacement will be deemed to be the original driver for the purposes of assessing Power Unit usage.

**28.5** After consultation with the relevant Power Unit Manufacturer the FIA will attach seals to each of the relevant elements of the Power Unit prior to them being used for the first time at a **Competition** in order to ensure that no significant parts can be rebuilt or replaced. Exhaust elements defined in Article 28.2 above should be permanently and uniquely marked, which is then clearly visible directly or using an optical device in a timely manner when a Power Unit is fitted to a chassis.

Within two (2) hours of the end of the post-race **Parc Fermé** additional seals will be applied to all used power unit elements in order to ensure that they cannot be run or dismantled between **Competitions**. The sealing method must be agreed with the Technical Delegate.

Upon request to the FIA, these additional seals will be removed ~~twenty-four (24) twenty-two (22)~~ hours before the scheduled start of P1 at the next **Competition** at which the Power Unit elements are required. All such Power Unit elements must remain within the Competitor's designated garage area when not fitted to a car and may not be started at any time during a **Competition** other than when fitted to a car eligible to participate in the **Competition**.

If any of the FIA seals are damaged or removed from the relevant components within the Power Unit after they have been used for the first time those parts may not be used again unless they were removed under FIA supervision.

## 29) USAGE OF RESTRICTED-NUMBER COMPONENTS (RNC)

29.1 Restricted-Number Components (RNC) are components which have a limitation in numbers that can be used by each driver in a **Competition** over a Championship.

29.2 For each RNC, each driver may use up to a maximum number of such elements for the entire Championship, and this maximum value for this RNC will vary as a function of the **Competitions** in that Championship, in accordance to the table of this Article.

- a) Should a driver use more than the allowable maximum value of elements for a given RNC, a grid penalty will be imposed upon him at the first **Competition** during which each additional element is used.
- b) Penalties will vary between the first time an additional RNC is used, or the subsequent times, in accordance with the relevant columns of the table of this Article.
- c) Any additional RNC will be deemed to have been used once the car's timing transponder has shown that it has left the pit lane.

Restricted-Number Component	As defined in:	Allocation of RNCs for different Number of Races						Penalties for additional units (grid positions)		Additional allocation for 1st Season
		<=20	21	22	23	24	25	first time	subsequent times	
Gearbox case and Cassette	TR Articles 9.1.5 and 9.1.7	4	4	4	4	5	5	5	5	0
Gearbox driveline, gear change components and auxiliary components	TR Articles 9.1.2, 9.1.3, 9.1.4	4	4	4	4	5	5	5	5	0

29.3 The following exceptions and provisions apply:

- a) RNCs may be subjected to maintenance or repair work between **Competitions** provided that:
  - i) The nature of the work to be carried out has been approved by the FIA and communicated to all Competitors
  - ii) The Competitor takes all the necessary measures to satisfy the FIA that the provisions of this Article are fully respected. This may include, but is not limited to, an accurate record of the repair work that gets carried out, photographs, the recording of part numbers, etc.

- iii) Change gears, dog rings and reverse (excluding final drives or reduction gears) may be changed under supervision for others of identical specification at any time during a **Competition** provided the Technical Delegate is satisfied there is evident physical damage to the parts in question.
- b) No significant parts of an RNC may be replaced between **Competitions**, unless expressly permitted by the FIA.
- c) With the consent of (and at the sole discretion of) the FIA, the numbers above will be increased in accordance with the relevant column of the table above, if:
  - i) The RNC used is supplied by a new Power Unit Manufacturer (as defined in Appendix 6) for Power Unit RNC's
  - ii) The Competitor in question is participating in their first Championship
- d) If a driver is replaced at any time during the Championship Season his replacement will be deemed to be the original driver for the purposes of assessing the number of available RNC's.
- e) During any single **Competition**, if a driver introduces more than one of the same RNC which is subject to penalties, only the last such element fitted may be used at subsequent **Competitions** without further penalty.
- f) Penalties applied under the provisions of this Article are cumulative and apply only to the **Competition** where they have been incurred.
- g) On four (4) occasions throughout the Championship during P1 and/or P2, a Competitor may use a gearbox assembly outside of the RNC allocation.

**29.4** For each RNC, the FIA will determine the appropriate method of identification in order to ensure that the provisions of Article 29.2 are fully met. This may involve the usage of seals, the scanning of part numbers, the use of appropriate containers which can be sealed between **Competitions** or any other solution that the FIA decides, duly communicated to the Competitors.

- a) Any seals used will be attached after consultation with the relevant Competitor or Power Unit supplier.
- b) If any of the FIA seals are damaged or removed from an RNC after it has been used for the first time this RNC may not be used again unless the seals were removed under FIA supervision.

### **30) SUPPLY OF TYRES IN THE CHAMPIONSHIP AND TYRE LIMITATION DURING THE **COMPETITION****

#### **30.1** Supply of tyres

- a) The single tyre manufacturer (the appointed tyre supplier) appointed by the FIA must undertake to provide:
  - i) Three (3) specifications of dry-weather tyre at each **Competition**, each of which must be visibly distinguishable from one another when a car is on the track.
  - ii) At certain **Competitions** one additional specification of dry-weather tyre may be made available to all Competitors for evaluation purposes following a recommendation to the FIA from the appointed tyre supplier. Competitors will be informed about such an additional specification at least one (1) week before the start of the relevant **Competition**.

- iii) At up to two **Competitions** in the season where a sprint session is not scheduled, additional specifications of dry-weather tyres may be made available to all Competitors for evaluation purposes following a recommendation to the FIA from the appointed tyre supplier. Should either one of these **Competitions** be found to be unsuitable for a proper evaluation of the tyres (due to issues such as weather), additional dry-weather tyres will be made available at a third, back-up **Competition**.
- iv) One (1) specification of intermediate tyre at each **Competition**.
- v) One (1) specification of wet-weather tyre at each **Competition**.

### 30.2 Quantity, selection and specification of tyres during a **Competition**

- a) Except for additional tyres that are supplied according to Articles 30.1a)ii), 30.1a)iii), 30.5e), 30.5f), 30.5g) and 30.5o)
  - i) At each **Competition** where a sprint session is scheduled, each driver may use no more than twelve (12) sets of dry-weather tyres, four (4) sets of intermediate tyres and three (3) sets of wet-weather tyres during a **Competition**.
  - ii) At each **Competition** where a sprint session is not scheduled and additional tyres are not made available under Article 30.1a)iii), each driver may use no more than thirteen (13) sets of dry-weather tyres, four (4) sets of intermediate tyres and three (3) sets of wet-weather tyres during a **Competition**.
  - iii) At each **Competition** where a sprint session is not scheduled and additional tyres are made available under Article 30.1a)iii), each driver may use no more than twelve (12) sets of dry-weather tyres, four (4) sets of intermediate tyres and three (3) sets of wet-weather tyres during a **Competition**.
- b) A complete set of tyres will be deemed to comprise two (2) front and two (2) rear tyres all of which must be of the same specification and as allocated by the FIA, however, sets of the same specification may be mixed following the qualifying practice session.
- c) Unless otherwise determined by the FIA and with the agreement of the appointed tyre supplier, no less than two (2) weeks prior to each **Competition** for items i), ii), and iii), and no less than four (4) weeks prior to each **Competition** for item iv) below, the FIA will provide all Competitors with the following information relevant to the **Competition** in question:
  - i) Which tyre specifications will be made available by the appointed tyre supplier.
  - ii) The mandatory dry-weather race tyre specification(s) (up to two (2)).
  - iii) The mandatory dry-weather Q3 tyre specification (which will always be the softest of the three (3) specifications).
  - iv) Whether additional tyres will be made available under Article 30.1a)iii), and in these circumstances:
    - For these additional tyres; the quantity of tyres per Driver, and for each Competitor, the expected run plans for that Competitor.
    - For tyres that are not these additional tyres; the specification of the tyres and any changes to the timing of electronic returns.

- Procedures that will be adopted, tyre quantities and specifications if the **Competition** is found to be unsuitable to evaluate the additional tyres.
- d) Unless otherwise determined by the FIA and with the agreement of the appointed tyre supplier, each Driver will be allocated the following specification of dry-weather tyres:
- i) At each **Competition** where a sprint session is scheduled:
    - Two (2) sets of the hard specification of tyres.
    - Four (4) sets of the medium specification of tyres.
    - Six (6) sets of the soft specification of tyres.
  - ii) At each **Competition** where a sprint session is not scheduled and additional tyres are not made available under Article 30.1a)iii):
    - Two (2) sets of the hard specification of tyres.
    - Three (3) sets of the medium specification of tyres.
    - Eight (8) sets of the soft specification of tyres.
  - iii) At each **Competition** where a sprint session is not scheduled and additional tyres are made available under Article 30.1a)iii):
    - Two (2) sets of the hard specification of tyres.
    - Three (3) sets of the medium specification of tyres.
    - Seven (7) sets of the soft specification of tyres.
    - The additional tyres for evaluation.
- e) Once the above selections have been made the Technical Delegate will allocate sets of tyres to each driver from among the stock of tyres the appointed tyre supplier makes available for the **Competition**.
- f) Each driver must only use tyres allocated to him.

### 30.3 Control of tyres

- a) The outer sidewall of all tyres which are to be used at a **Competition** must be marked with a unique identification.
- b) Other than in cases of force majeure (accepted as such by the stewards), all tyres intended for use at a **Competition** must be presented to the Technical Delegate for allocation prior to the start of the **Competition**.
- c) At any time during a **Competition**, and at his absolute discretion, the Technical Delegate may select alternative tyres to be used by any Competitor or driver from among the stock of tyres the appointed tyre supplier has present at the **Competition**.
- d) A Competitor wishing to replace one unused tyre by another identical unused one must present both tyres to the Technical Delegate.
- e) The use of tyres without appropriate identification may result in a race grid position penalty or disqualification from the sprint session or the race as appropriate.

### 30.4 Return of Tyres

- a) The official return of tyres will be made electronically using the FIA Race Team Client. In the **Competition** of an issue with the system, and when instructed to do so by the FIA, each Competitor will be requested to provide the tyre return data in a CSV file format via email.
- b) Any set of electronically returned tyres must also be physically returned to the appointed tyre supplier before the start of the following session.

### 30.5 Use of Tyres

- a) All tyres must be operated in accordance with the prescriptions issued prior to each **Competition** by the FIA and the appointed tyre supplier, including any additional or modified procedures set out in the Appendix to these Sporting Regulations or as communicated directly by the FIA and the appointed tyre supplier.

- b) The only sets of tyres which may be used during a **Competition** are those which are defined in Article 30.2a).

Any driver who uses a set of tyres of differing specifications or tyres not allocated to him during the sprint session or the race may not cross the Line on the track more than twice before returning to the pits and changing them for a set of tyres of the same specification. A penalty under Article 54.3d) will be imposed on any driver who does not change tyres as specified above. For the avoidance of doubt, a set of tyres of differing specifications will not be considered when assessing the number of specifications used during the race.

- c) Tyres will only be deemed to have been used once the car's timing transponder has shown that it has left the pit lane.
- d) If an additional driver is used (see Articles 32.4, 32.5, 32.6 and 32.7) he must use the tyres allocated to the nominated driver he replaced.
- e) If an additional specification of dry-weather tyre is made available in accordance with Article 30.1a)ii) two (2) sets of these tyres will be allocated to each driver for use during P1 and P2. Any such tyres must be electronically returned no later than two (2) hours after the end of P2.
- f) At each **Competition** where a sprint session is scheduled, if either P1 or the qualifying practice session are declared wet, one (1) additional set of intermediate tyres will be made available to any driver who used a set of intermediate tyres during either session. Under such circumstances, one (1) used set of intermediate tyres must be electronically returned before the start of the sprint session.

If neither P1 nor the qualifying practice session are declared wet, but the likelihood of P2 being declared wet is deemed by the FIA to be high, one (1) additional set of intermediate tyres will be made available to all drivers. Under such circumstances, one (1) set of intermediate tyres must be electronically returned before the start of the sprint session.

If intermediate or wet weather tyres are used during the sprint session, one (1) additional set of intermediate tyres will be made available to all drivers.

- g) At each **Competition** where a sprint session is not scheduled, if either P1 or P2 are declared wet one (1) additional set of intermediate tyres will be made available to any driver who used a set of intermediate tyres during either session. Under such circumstances, one (1) used set of intermediate tyres must be electronically returned before the start of the qualifying practice session.

If neither P1 nor P2 are declared wet, but the likelihood of P3 being declared wet is deemed by the FIA to be high, one (1) additional set of intermediate tyres will be made available to all drivers. Under such circumstances, one (1) set of intermediate tyres must be electronically returned before the start of the qualifying practice session.

- h) From the twelve (12) sets of dry-weather tyres allocated to each driver under Article 30.2a)i):
  - i) One (1) set of the mandatory Q3 tyre specification may not be used nor returned before Q3. One (1) set of the mandatory Q3 tyre specification must be electronically returned no later than the covers-on time defined in Article 40.6, even if they have not participated in Q3.
  - ii) Two (2) sets of the mandatory race specification(s) may not be returned before the race. For the avoidance of doubt, if there are two (2) mandatory race tyre specifications, one (1) set of each specification may not be returned before the race.

From the nine (9) remaining sets:

- iii) One (1) set must be electronically returned no later than two (2) hours after the end of P1.
  - iv) One (1) additional set must be electronically returned no later than three and a half (3.5) hours after the end of Q3. This is in addition to the set referred to in Article 30.5h)i).
  - v) The mandatory Q3 tyre specification is the only dry tyre specification that is permitted to be used during the qualifying practice session.
  - vi) One (1) set with the highest number of laps in P2 must be electronically returned no later than two (2) hours after the end of P2.
  - vii) One (1) set with the highest number of laps must be electronically returned no later than two (2) hours after the end of the sprint session.
- i) From the thirteen (13) sets of dry-weather tyres allocated to each driver under Article 30.2a)ii):
    - i) One (1) set of the mandatory Q3 tyre specification may not be used nor returned before Q3 and, for the cars that qualified for Q3, one set of the same specification must be electronically returned no later than the covers-on time defined in Article 40.6.
    - ii) Two (2) sets of the mandatory race specification(s) may not be returned before the race. For the avoidance of doubt, if there are two (2) mandatory race tyre specifications, one (1) set of each specification may not be returned before the race.

From the ten (10) remaining sets:

- iii) Two (2) sets must be electronically returned no later than two (2) hours after the end of P1.
- iv) Two (2) further sets must be electronically returned no later than two hours after the end of P2 unless both P1 and P2 are either declared wet or cancelled, in which case one of these sets may be retained by each driver but must be electronically returned no later than two (2) hours after the end of P3.



- v) Two (2) further sets must be electronically returned no later than two (2) hours after the end of P3.
- j) From the twelve (12) sets of dry-weather tyres allocated to each driver under Article 30.2a)iii):
  - i) One (1) set of the mandatory Q3 tyre specification may not be used nor returned before Q3 and, for the cars that qualified for Q3, one set of the same specification must be electronically returned no later than the covers-on time defined in Article 40.6.
  - ii) Two (2) sets of the mandatory race specification(s) may not be returned before the race. For the avoidance of doubt, if there are two (2) mandatory race tyre specifications, one (1) set of each specification may not be returned before the race.

From the nine (9) remaining sets:

- iii) One (1) set must be electronically returned no later than two hours after the end of P1.
  - iv) One (1) further set must be of medium specification tyres and may not be used nor returned before P2. This set and one (1) additional set (two sets in total) must be electronically returned no later than two hours after the end of P2 unless both P1 and P2 are either declared wet or cancelled, in which case one of these sets may be retained by each driver but must be electronically returned no later than two (2) hours after the end of P3.
  - v) Two (2) further sets must be electronically returned no later than two (2) hours after the end of P3
  - k) Once all tyres have been returned electronically after the end of each day of on track activity the appointed tyre supplier will publish a list of the tyres which each driver has available to him for the remainder of the **Competition**.
  - l) During any free practice session intermediate and wet-weather tyres may only be used after the track has been declared wet by the Race Director, following which intermediate, wet or dry-weather tyres may be used for the remainder of the session.
  - m) Unless he has used intermediate or wet-weather tyres during the race, each driver must use at least two different specifications of dry-weather tyres during the race, at least one of which must be a mandatory dry-weather race tyre specification as defined in Article 30.2c)ii). Unless a race is suspended and cannot be re-started, failure to comply with this requirement will result in the disqualification of the relevant driver from the race results.
- If the race is suspended and cannot be re-started, thirty (30) seconds will be added to the elapsed time of any driver who was unable to use at least two (2) specifications of dry-weather tyre.
- n) If the formation lap is started behind the safety car because of heavy rain (see Article 49), or the sprint session or race is resumed in accordance with Article **58.11a**), the use of wet-weather tyres until the safety car returns to the pits is compulsory.

A penalty under Article 54.3d) will be imposed on any driver who does not use wet weather tyres whilst the safety car is on the track at such times.

- o) If additional specifications of dry-weather tyres are made available in accordance with Article 30.1a)iii), these tyres will be allocated to each Driver for use during P2. If P2 is unsuitable for the evaluation of these tyres (such as due to poor weather) they will not be made available to each Driver and they may be carried over to the back-up **Competition**, as advised by the FIA. Unless the additional tyres have not been made available, or the session is declared wet, all Drivers will have to use them during P2, according to run plans specified by the appointed tyre supplier with the same number of laps per Driver, and the only dry weather tyres that may be used are those allocated under Article 30.1a)iii).
- i) Drivers participating in this session to evaluate additional tyres must be in possession of a Super Licence or Free Practice Super Licence, and must have competed in at least one (1) Formula 1 **Competition** during their careers.
- ii) Test parts, test software, component changes and set-up changes
- Test parts and test software are permitted. However, the car must remain in a fixed specification, configuration and set-up. Mechanical set-up changes, driver control changes, software and component changes are only permitted if they are necessary for the correct evaluation of the tyres or to complete the tyre test. Set-up changes and driver control changes must be agreed in advance with the tyre supplier. Component and software changes must be approved by the FIA. A replacement component may be approved in cases such as damage to the original and should be of the same specification. Exceptionally, if a same specification component is unavailable, a component of a different specification which has been previously used at a **Competition** or TCC may be approved.
- iii) Additional sensors and logging
- Additional sensors may be fitted on the car to measure tyre state and or performance and must be agreed with the appointed tyre supplier and the FIA in advance. Data collected from such sensors must be shared with the appointed tyre supplier in due time after the test session, and processed data from such sensors (having removed any team-specific information) may be shared by the appointed tyre supplier with the other Competitors. ~~Any tyres allocated in accordance with Article 30.1a)iii) must be electronically returned no later than two (2) hours after the end of P2.~~
- iv) All additional tyres allocated in accordance with Article 30.1a)iii) must be electronically returned no later than two (2) hours after the end of P2.

### 30.6 Testing of tyres

- a) From the time at which each Competitor receives fitted tyres from the appointed tyre supplier at or before a **Competition** these may not be used on any rig, simulator or vehicle, other than the Formula One car for which they were intended.
- b) Tyres supplied to any Competitor at any time may not be used on any rig or vehicle (other than a Formula One car on an FIA Grade 1 or FIA Grade 1T Circuit, at the exclusion of any kind of road simulator), either Competitor owned or rented, providing measurements of forces and/or moments produced by a rotating full size Formula One tyre, other than uniquely vertical forces, tyre rolling resistance and aerodynamic drag.

- c) Tyres may be used on a test rig providing forces control and monitoring by Formula One rim manufacturers for the sole purpose of proof testing their products.
- 30.7** Irrespective of the provisions of Article 30.5o), if a Driver is unable to participate in P1 because he has been replaced with a Driver under the provisions of Article 32.4c), the Driver not participating in P1 may use tyres other than those allocated under Article 30.1a)iii) during the first 45 minutes of the P2 session. This exception is permitted on one occasion only for each Competitor during the Championship.
- a) The driver must comply with the provisions of Article 30.5o)i).
  - b) The car must comply with the provisions of Articles 30.5o)ii) and 30.5o)iii) other than the exceptions stated in 30.7c) below.
  - c) During the first 45 minutes of the P2 session, despite the provisions of Article 30.5o)ii), mechanical set-up changes and driver control changes are permitted. These do not need to be necessary for the correct evaluation of the tyres or to complete the tyre test and they do not need to be agreed in advance with the tyre supplier.
  - d) After 45 minutes of the P2 session the full provisions of Article 30.5o)ii) apply and mechanical set-up changes and driver control changes are not permitted unless for the reasons stated in Article 30.5o)ii) and must be agreed in advance with the tyre supplier.
  - e) Additional tyres must be returned in accordance with Article 30.5o)iv)

### **31) SCRUTINEERING**

**31.1** Each Competitor will be required to carry out initial scrutineering of his cars which will commence four (4) hours prior to the start of P1 and submit the duly completed declaration no later than two (2) hours before the start of P1.

The declaration form template will be provided by the FIA.

**31.2** Unless prior written permission has been granted by the Technical Delegate, any Competitor who do not keep to these time limits will be referred to the stewards.

**31.3** No car may take part in the **Competition** until the declaration described in Article 31.1 has been submitted, and the Technical Delegate has confirmed to the Competitor that he is satisfied it has been fully and correctly completed.

**31.4** Any Competitor whose car has a change of survival cell after initial scrutineering (see Article 31.1) must complete a new declaration for approval by the Technical Delegate. However, any such car may not be used until the following day.

**31.5** The scrutineers may:

- a) Check the eligibility of a car or of a Competitor at any time during **a Competition**.  
**This includes and is not limited to; a period of up to one hour, after the covers are fitted following a qualifying practice session or a sprint session according to Article 40.6, and after the covers are removed before the scheduled start of the formation lap for the race according to Article 40.8, and immediately after the race.**
- b) Require a car to be dismantled by the Competitor to make sure that the conditions of eligibility or conformity are fully satisfied.
- c) Require a Competitor to pay the reasonable expenses which exercise of the powers mentioned in this Article may entail.

- d) Require a Competitor to supply them with such parts or samples as they may deem necessary.
- 31.6 The Race Director or the clerk of the course may require that any car involved in an accident be stopped and checked.
- 31.7 Checks and scrutineering shall be carried out by duly appointed officials who shall also be responsible for the operation of the parc fermé and who alone are authorised to give instructions to the Competitors.
- 31.8 The stewards will publish the findings of the scrutineers each time cars are checked during the **Competition**. These results will not include any specific figure except when a car is found to be in breach of the Technical Regulations.

## **32) CHANGES OF DRIVER**

- 32.1 During a Championship each Competitor will be permitted to use a maximum of four (4) drivers in races.
- 32.2 A change of driver may be made at any time before the start of the qualifying practice session provided any change proposed after the end of initial scrutineering receives the consent of the stewards. Additional changes for reasons of force majeure will be considered separately.
- 32.3 Any new driver may score points in the Championship.
- 32.4 In addition to the provisions of Article 32.1, each Competitor will be permitted to use additional drivers during P1 and P2 provided that:
- a) The FIA are informed which cars and drivers each Competitor intends to use in each session no less than twenty-four (24) hours before the scheduled start of P1. Any changes less than two (2) hours before the scheduled start of P1 may only be made with the consent of the stewards.
  - b) No more than two (2) drivers are used in any one (1) session.
  - c) On one (1) occasion during the Championship, for each car entered for the Championship, each Competitor must use a driver who has not participated in more than two (2) Championship races in their career. Each Competitor must advise the FIA in writing seven (7) days prior to the start of the relevant **Competition** with the details of the driver that they will use.
  - d) They carry the competition number that has been allocated to them.
  - e) They use the power unit, RNCs and tyres which are allocated to the nominated driver.
  - f) They are in possession of a Super Licence or Free Practice Super Licence.
- 32.5 If one of the Competitor's nominated drivers is unable to drive at some stage after the end of initial scrutineering, and the stewards consent to a change of driver, the replacement driver must use the engine, gearbox and tyres which were allocated to the original driver (see Articles 28.2, 29 and 30.5).
- 32.6 At each **Competition** where a sprint session is scheduled, changes may be made at any time before the start of the second free practice session (P2) provided any change proposed less than two (2) hours before the scheduled start of P1 receives the consent of the stewards.

## **33) DRIVING**

- 33.1 The driver must drive the car alone and unaided.

**33.2** Drivers must observe the provisions of the Code relating to driving behaviour on circuits at all times.

**33.3** Drivers must make every reasonable effort to use the track at all times and may not leave the track without a justifiable reason.

Drivers will be judged to have left the track if no part of the car remains in contact with it and, for the avoidance of doubt, any white lines defining the track edges are considered to be part of the track but the kerbs are not.

Should a car leave the track the driver may re-join, however, this may only be done when it is safe to do so and without gaining any lasting advantage. At the absolute discretion of the Race Director a driver may be given the opportunity to give back the whole of any advantage he gained by leaving the track.

**33.4** At no time may a car be driven unnecessarily slowly, erratically or in a manner which could be deemed potentially dangerous to other drivers or any other person.

#### **34) PIT ENTRY, PIT LANE AND PIT EXIT**

**34.1** The section of track between the first safety car line and the beginning of the pit lane will be designated the “pit entry”.

**34.2** The section of track between the end of the pit lane and the second safety car line will be designated the “pit exit”.

**34.3** At no time may a car be reversed in the pit lane under its own power.

**34.4** The pit lane will be divided into two lanes, the lane closest to the pit wall will be designated the “fast lane” and may be no more than 3.5 metres wide, the lane closest to the garages will be designated the “inner lane”.

Other than when cars are at the end of the pit lane in accordance with Articles 43.3, 44.2 and 57, the inner lane is the only area where any work can be carried out on a car. However, no work may be carried out in the fast lane if it is likely to hinder other cars attempting to leave the pit lane.

**34.5** The FIA will allocate garages and an area in the pit lane on an equal basis where each Competitor may work and, within each of these designated garage areas, one position where pit stops during any practice session, sprint session or the race may be carried out.

**34.6** No powered device may be used to lift any part of a car in the pit lane.

**34.7** A speed limit of 80km/h will be imposed in the pit lane during the whole **Competition**. However, this limit may be amended by the Race Director following a recommendation from the Safety Delegate.

a) Any Competitor whose driver exceeds the limit during any practice session will be fined €100 for each km/h above the limit, up to a maximum of €1000.

b) In accordance with Article 18.1 the stewards may impose an additional penalty if they suspect a driver was speeding in order to gain any sort of advantage.

c) During a sprint session or the race, the stewards may impose any of the penalties under Article 54.3a), 54.3b), 54.3c) or 54.3d) on any driver who exceeds the limit.

**34.8** Unless a car is pushed from the grid at any time during the start procedure, cars may only be driven from the Competitors’ designated garage area to the end of the pit lane.

Any car(s) driven to the end of the pit lane prior to the start or re-start of a practice session must form up in a line in the fast lane and leave in the order they got there unless another car is unduly delayed.

- 34.9** With the exception of the reconnaissance laps permitted by Articles 43.2 and 44.1, any driver that is required to start the sprint session or the race from the pit lane may not drive his car from his Competitors designated garage area until the pit lane exit is closed before the scheduled start of the formation lap and must stop in a line in the fast lane.

Under these circumstances working in the fast lane will be permitted but any such work is restricted to:

- a) Starting the engine and any directly associated preparation.
- b) The fitting or removal of permitted cooling and heating devices.
- c) Changes made for driver comfort.
- d) Changing wheels and tyres.

When cars are permitted to leave the pit lane they must do so in the order that was established under Articles 43.3 and 44.2 unless another car is unduly delayed. At all times drivers must follow the directions of the marshals.

- 34.10** Other than by drying or sweeping, or by laying tyre rubber when cars leave their pit stop position, Competitors may not attempt to enhance the grip of the surface in the pit lane unless a problem has been clearly identified and a solution agreed to by the Safety Delegate.

- 34.11** Competitors must not paint lines on any part of the pit lane.

- 34.12** Other than when detailed in Article 34.9, no equipment may be left in the fast lane.

- 34.13** Team personnel are only allowed in the pit lane immediately before they are required to work on a car and must withdraw as soon as the work is complete.

All team personnel carrying out any work on a car in the pit lane when the car is in its pit stop position during the qualifying practice session, sprint session or during a race pit stop, must be wearing helmets which meet or exceed the requirements of ECE 22.05 – European motorcycle road helmet, DOT – USA motorcycle road helmet or JIS T8133-2015, class 2 – JPN protective helmets for automobile users. The use of appropriate eye protection is compulsory.

- 34.14** In all of the cases detailed in this Article 34.14, a car will be deemed to have been released either when it has been driven out of its designated garage area (when leaving from the garage) or after it has completely cleared its pit stop position following a pit stop.

- a) Cars must not be released from a garage or pit stop position in way that could endanger pit lane personnel or another driver.
- b) Competitors must provide a means of clearly establishing, when being viewed from both above and in the front of the car, when a car was released.
- c) If a car is deemed to have been released in an unsafe condition during any free or qualifying practice session, the stewards may drop the driver such number of grid positions as they consider appropriate.
- d) If a car is deemed to have been released in an unsafe condition during a sprint session or a race, a penalty in accordance with Article 54.3d) will be imposed on the driver concerned. However, if the driver retires from the sprint session or the race as a result of the car being released in an unsafe condition a fine may be imposed upon the Competitor.

- e) An additional penalty will be imposed on any driver who, in the opinion of the stewards, continues to drive a car knowing it to have been released in an unsafe condition.

**34.15** In exceptional circumstances the Race Director may ask for the pit entry to be closed during the sprint session or the race for safety reasons.

- a) At such times drivers may only enter the pit lane in order for essential and entirely evident repairs to be carried out to the car.
- b) A penalty in accordance with Article 54.3d) will be imposed on any driver who, in the opinion of the stewards, entered the pit lane for any other reason whilst it was closed.

## **35) WEIGHING**

**35.1** After any free practice session or during the qualifying practice session cars will be weighed as follows:

- a) When signalled to do so the driver will proceed directly to the FIA garage and stop his engine.
- b) Any driver who fails to stop when asked to do so, and then fails to bring the car back to the FIA garage, or if work is carried out on the car before it is returned to the FIA garage, will be referred to the stewards.
- c) Each driver must be weighed by the Technical Delegate at the end of the last part of the qualifying practice session in which they participated.
- d) At the end of the qualifying practice session all cars which took part in Q3 will be weighed. If a driver wishes to leave his car before it is weighed, he must ask the Technical Delegate to weigh him in order that this weight may be added to that of the car.
- e) If a car stops on the circuit during the qualifying practice session and the driver leaves the car, he must go to the FIA garage immediately on his return to the pit lane in order for his weight to be established.

**35.2** After the sprint session or the race any classified car may be weighed. If a driver wishes to leave his car before it is weighed, he must ask the Technical Delegate to weigh him in order that this weight may be added to that of the car.

**35.3** The relevant car may be disqualified should its weight be less than that specified in Article 4.1 of the Technical Regulations when weighed in accordance with Articles 35.1 or 35.2, save where the deficiency in weight results from the accidental loss of a component of the car.

**35.4** No substance may be added to, placed on, or removed from a car after it has been selected for weighing or has finished the sprint session or the race or during the weighing procedure. (Except by a scrutineer when acting in his official capacity).

**35.5** In the event of any breach of these provisions for the weighing of cars the stewards may drop the driver such number of grid positions as they consider appropriate or disqualify him from the sprint session or the race.

## **36) REFUELLING**

**36.1** Refuelling is only permitted in the Competitors' designated garages.

- 36.2** Fuel may not be added to nor removed from a car after it has left the pit lane to start the reconnaissance lap(s) permitted in accordance with Articles 43.2 or 44.1 until the end-of-session signal has been shown in accordance with Article 59.1.
- 36.3** No car may be refuelled, nor may fuel be removed from a car, at a rate greater than 0.8 litres per second.
- 36.4** The driver may remain in his car throughout refuelling but the engine must be stopped.
- 36.5** During all refuelling or fuel handling operations:
- a) The relevant personnel must be wearing outer garments which are in compliance with either FIA Standard 8867-2016, FIA Standard 8856-2000 or FIA Standard 8856-2018.
  - b) An assistant equipped with a suitable fire extinguisher of appropriate capacity must be present and must be wearing outer garments which are in compliance with either FIA Standard 8867-2016, FIA Standard 8856-2000 or FIA Standard 8856-2018.
  - c) All cars, refuelling equipment and containers must be suitably grounded where necessary.
  - d) Any powered pumping system used to transfer fuel must be operated by a non-latching switch or be turned off automatically if the operator leaves.

## **37) PRACTICE SESSIONS**

- 37.1** No driver may start a sprint session or the race without taking part in at least one (1) practice session.
- 37.2** During all practice sessions there will be a green and a red light at the end of the pit lane. Cars may only leave the pit lane when the green light is on. Additionally, a blue flag and/or a flashing blue light will be shown in the pit exit to warn drivers leaving the pit lane if cars are approaching on the track.
- 37.3** Unless written permission has been given by the FIA to do otherwise, the circuit may only be used for purposes other than the **Competition** after the last practice session on each day of practice, after the sprint session (where it is scheduled), and on the day of the race no less than one (1) hour before the end of the pit lane is opened to allow cars to cover a reconnaissance lap.
- 37.4** In the event of a driving infringement during any practice session the Stewards may delete a driver's lap time (or lap times) or drop the driver such number of grid positions as they consider appropriate.
- a) Unless it is completely clear that a driver committed a driving infringement any such incident will normally be investigated after the relevant session.
  - b) Where appropriate, regard will also be given to the provisions of Article 18.1.
- 37.5** Any driver taking part in any practice session who, in the opinion of the stewards, stops unnecessarily on the circuit or unnecessarily impedes another driver shall be subject to the penalties referred to in Article 37.4.
- 37.6** Should it become necessary to stop any practice session because the circuit is blocked by an accident or because weather or other conditions make it dangerous to continue, the clerk of the course will order red flags to be shown at all marshal posts and the abort lights to be shown at the Line.



- a) When the signal is given to stop all cars must immediately reduce speed and proceed slowly back to the pit lane. In order to ensure that drivers reduce speed sufficiently, from the time at which the “RED FLAG” message appears on the official messaging system until the time that each car crosses the first safety car line when entering the pit lane, drivers must stay above the minimum time set by the FIA ECU at least once in each marshalling sector (a marshalling sector is defined as the section of track between each of the FIA light panels).
  - b) All cars abandoned on the track will be removed to a safe place.
  - c) At the end of each practice session no driver may cross the Line more than once.
- 37.7 The clerk of the course may interrupt practice as often and for as long as he thinks necessary to clear the track or to allow the recovery of a car. However, only during qualifying practice will the session be extended as a result.
- a) Should one or more sessions be thus interrupted, no protest can be accepted as to the possible effects of the interruption on the qualification of drivers admitted to start.

### 38) FREE PRACTICE

38.1 At each **Competition** where a sprint session is scheduled:

- a) One (1) free practice session (P1), lasting one (1) hour will take place on the first day of on track running.
- b) A further free practice session (P2), lasting one (1) hour and starting no less than three (3) hours after the time that seals and covers may be removed, and ending no less than three (3) hours and no more than four (4) hours prior to the start of the sprint session will take place the day before the race.

38.2 At each **Competition** where a sprint session is not scheduled:

- a) Two (2) free practice sessions (P1 and P2), each lasting one (1) hour and separated by no less than two (2) hours and no more than three (3) hours, take place on the first day of on track running.
  - i) Within three (3) hours of the end of the second free practice session (P2) all cars used during each session (or which were intended for use but failed to leave the pit lane) must be covered and ready for FIA seals to be applied in order to ensure that they remain secure until the following day. Failure to comply with this requirement will be equivalent to a breach of Article 23.7 h) and failure to comply with both Articles will be considered as a single breach.
  - ii) Whilst cars are covered overnight, they may be fitted with devices to keep them warm.
  - iii) For the purpose of this Article 38.2 only, a car is defined as consisting of all the components required to comply with the Technical Regulations with the exception of the Floor, the nose, the Front Wing and the Rear Wing as detailed in Articles 3.5, 3.6.1, 3.9 and 3.10 of the Technical Regulations respectively. Components must be of a specification already used at the **Competition** or intended as an option at the **Competition**. Obsolete components or dummy components are not permitted. If the car is supported on stands, all car components must be present under the cover. The complete car, minus any exceptions described in this Article and including any non-fitted components must remain in view of the overhead camera at all times. Permitted breather, heating or cooling devices may be fitted.

- b) A further free practice session (P3), lasting one (1) hour and starting no less than eighteen (18) hours after the end of P2, will take place on the second day of on track running.
  - i) Three (3) hours before the start of P3, the FIA seals and covers may be removed.
- c) If additional specifications of tyres are provided for evaluation under Article 30.1a)iii), free practice session P2 will be increased in duration to last one and a half (1.5) hours. In such instances the free practice session P3 will start no less than seventeen and a half (17.5) hours after the end of P2.

### **39) QUALIFYING PRACTICE**

**39.1** The qualifying practice session will take place at each **Competition** where a:

- a) sprint session is scheduled, on the first day of on track running and will start no less than two and a half (2.5), and no more than three and a half (3.5) hours after the end of P1.
- b) sprint session is not scheduled, on the second day of on track running and will start no less than two (2) hours, and no more than three (3) hours after the end of P3.

**39.2** The qualifying practice session will be run as follows:

- a) For the first eighteen (18) minutes of the session (Q1) all cars will be permitted on the track and at the end of this period the slowest five (5) cars will be prohibited from taking any further part in the session.  
  
Lap times achieved by the fifteen (15) remaining cars will then be deleted.
- b) After a seven (7) minute break the session will resume for fifteen (15) minutes (Q2) and the fifteen (15) remaining cars will be permitted on the track. At the end of this period the slowest five (5) cars will be prohibited from taking any further part in the session.  
  
Lap times achieved by the ten (10) remaining cars will then be deleted.
- c) After an eight (8) minute break the session will resume for twelve (12) minutes (Q3) and the ten (10) remaining cars will be permitted on the track.

**39.3** The procedure detailed in Article 39.2 is based upon twenty (20) cars being officially eligible to take part in the **Competition**. If twenty-two (22) cars are eligible six (6) will be eliminated after Q1 and Q2, if twenty-four (24) cars are eligible seven (7) cars will be eliminated after Q1 and Q2, and so on if more cars are eligible.

**39.4** Any driver whose car stops on the track during the qualifying practice session will not be permitted to take any further part in the session.

**39.5** At the end of qualifying practice session the times achieved by each driver will be officially published.

**39.6** An AOT, as defined in Technical Regulations, must be empty during the complete qualifying practice session.

### **40) PRE-SPRINT AND PRE-RACE PARC FERMÉ**

**40.1** Each Competitor must provide the Technical Delegate with a suspension set-up sheet for both of their cars before each of them leaves the pit lane for the first time during the qualifying practice session.

**40.2** Each car will be deemed to be in parc fermé from the time at which it leaves the pit lane for the first time during the qualifying practice session until the start of the race. Any car which fails to leave the pit lane during the qualifying practice session will be deemed to be in parc fermé at the end of Q1.

Between these times, other than when cars are sealed overnight in accordance with Article 40.6, the following work may be carried out:

- a) Engines may be started.
- b) Fuel may be added or removed and a fuel breather fitted.
- c) Wheels, wheel fasteners and tyres may be removed, changed or rebalanced and tyre pressures adjusted.
- d) Spark plugs may be removed in order to carry out an internal engine inspection and cylinder compression checks.
- e) Permitted breather, heating or cooling devices may be fitted.
- f) A jump battery may be connected and on-board electrical units may be freely accessed via a physical connection to the car.
- g) Charging and / or discharging of the ERS energy storage devices.
- h) The brake system may be bled.
- i) Engine oil may be drained.
- j) Compressed gases may be drained or added.
- k) Fluids may be drained and/or replenished, however, fluids used for replenishment must conform to the same specification as the original fluid.
- l) The aerodynamic set up of the front wing may be adjusted using the existing parts. No parts may be added, removed or replaced.
- m) If the Technical Delegate is satisfied that changes in climatic conditions necessitate alterations to the specification of a car, changes may be made to the brake ducts, as described in Article 3.13 of the Technical Regulations, and to the engine and/or gearbox cooling bodywork that lies within the RV-BODY-REAR and/or RV-RBW-EC reference volumes, as defined in Appendix 1 of the Technical Regulations. These changes may be made at any time after all Competitors have been sent the message "CHANGE IN CLIMATIC CONDITIONS" using the official messaging system. From this point onwards the choice of brake ducts and engine and/or gearbox cooling bodywork is free and pitot tubes may be covered or uncovered, subject always to compliance with the relevant Technical Regulations.
- n) Bodywork (excluding radiators) may be removed and/or cleaned.
- o) Cosmetic changes may be made to the bodywork and tape may be added.
- p) Any part of the car may be cleaned.
- q) On board cameras, marshalling system components, timing transponders and any associated equipment may be removed, refitted or checked.
- r) Any work required by the Technical Delegate.
- s) Changes to improve the driver's comfort. In this context anything other than the adjustment of mirrors, seat belts and pedals may only be carried out with the specific permission of the Technical Delegate.

- i) Should ambient temperature change significantly, Competitors will be requested to change the head padding required by Article 12.6.1 of the Technical Regulations using the official messaging system.
- ii) The addition or removal of padding (or similar material) is also permitted but may only be carried out under supervision and, if required by the Technical Delegate, must be removed before the post-race weighing procedure.
- t) Drinking fluid for the driver may be added at any time, however, the capacity of the container for any such fluid must not exceed 1.5 litres.
- u) Repair of genuine accident damage, which is defined as any of the following:
  - i) Damage sustained as a result of contact with a barrier.
  - ii) Damage sustained as a result of contact with another car or object on track.
  - iii) Damage incurred whilst off track limits, which also results in significant loss of lap time or a lap time which is deleted by the Race Director.
- v) Any parts which are removed from the car in order to carry out any work specifically permitted above, or any parts removed to carry out essential safety checks, must remain close to it and, at all times, be visible to the scrutineer assigned to the relevant car.
  - i) Furthermore, any parts removed from the car in order to carry out any such work must be refitted before the car leaves the pit lane.

**40.3** Any work not listed in Article 40.2 may only be undertaken with the approval of the Technical Delegate following a written request from the Competitor concerned. It must be clear that any replacement part a Competitor wishes to fit is the same in design and similar in mass, inertia and function to the original. Exceptionally, at a **Competition** where a sprint session is scheduled, replacement parts that are different in design will be permitted provided that the part is of a specification that has been used previously in a qualifying practice session or a race. In such cases, the Competitor should inform the FIA prior to the start of the sprint session of any part where this may be necessary. Any parts removed will be retained by the FIA.

If a Competitor is granted permission to change a survival cell, any of the additional components detailed in Article 27.2 may also be changed provided that the spare survival cell was already fitted with these additional components at the time of the request.

If a Competitor wishes to change a part during the qualifying practice session, on the grid before the start of the sprint session and between reconnaissance laps and/or on the grid before the start of the race, this may be done without first seeking the permission of the Technical Delegate, provided it is reasonable for the relevant Competitor to believe permission would be given if there was time to ask and the broken or damaged part remains in full view of the scrutineer assigned to the car at all times.

**40.4** At each **Competition** where a sprint session is scheduled, and in addition to the provisions of Article 40.2 above, other than when cars are sealed overnight in accordance with Article 40.6, the following work may be carried out:

- a) The following items may be replaced with components of the same specification:
  - i) Brake Discs and Caliper pads
  - ii) Engine Exhaust System
  - iii) Engine Oil Filters

iv) Intake Air filter

v) Spark plugs

40.5 At the end of the qualifying practice session at least **three (3) ~~six (6)~~** cars will be chosen **at random** to undergo further checks, once informed their car has been selected the Competitor concerned must take the car to the **Parc Fermé** immediately.

40.6 Within two (2) hours of the end of both the qualifying practice session and the sprint session (where it is scheduled) all cars used during each session (or which were intended for use but failed to leave the pit lane) must be covered and ready for FIA seals to be applied in order to ensure that they remain secure until the following day. For marketing purposes this deadline may be extended for one car from each Competitor for a maximum of two (2) hours by prior arrangement with the Technical Delegate. Whilst cars are covered overnight, they may be fitted with devices to keep them warm.

40.7 At each **Competition** where a sprint session is scheduled, three (3) hours before the start of P2, the seals and covers may be removed but the cars will remain under parc fermé conditions until the start of the race.

40.8 Five (5) hours before the scheduled start of the formation lap for the race, the seals and covers may be removed but the cars will remain under parc fermé conditions until the start of the race.

40.9 A Competitor may not modify any part on the car or make changes to the set-up of the suspension whilst the car is being held under parc fermé conditions. In the case of a breach of this Article the relevant driver must:

- a) start the sprint session from the pit lane and follow the procedures prescribed in Article 43.3, if the parc fermé conditions are breached from the start of the qualifying practice session until the car leaves the pit lane for the sprint session; and/or
- b) start the race from the pit lane and follow the procedures prescribed in Article 44.2, if the parc fermé conditions are breached from the start of the sprint session until the car leaves the pit lane for the race.

In order that the scrutineers may be completely satisfied that no alterations have been made to the suspension systems or aerodynamic configuration of the car (with the exception of the front wing) whilst in pre-race parc fermé, it must be clear from physical inspection that changes cannot be made without the use of tools.

40.10 One (1) scrutineer will be allocated to each car for the purpose of ensuring that no unauthorised work is carried out whilst cars are being held under parc fermé conditions.

40.11 A list of parts replaced with the specific agreement of the Technical Delegate whilst cars are being held under parc fermé conditions will be published and distributed to all Competitors prior to the race.

40.12 The mass of oil contained in each oil tank, with the exception of the main oil tank, must be declared to the FIA one (1) hour before the scheduled start of the race.

#### **41) THE GRID –SPRINT SESSION SCHEDULED**

41.1 At each **Competition** where a sprint session is scheduled, the grid for the sprint session and the race will be formed in accordance with the provisions of this Article 41.

41.2 Unless the track was declared wet by the Race Director, any driver eliminated during Q1 whose best qualifying practice session lap exceeds 107% of the fastest time set during that session, or who fails to set a time, will not be allowed to take part in the sprint

session. Under exceptional circumstances however, which may include setting a suitable lap time in a free practice session, the stewards may permit the car to start the sprint session.

Any driver accepted in this manner will be placed at the back of the starting grid after any other penalties have been applied.

Should there be more than one driver accepted in this manner they will be arranged on the grid in the order they were classified in P2.

- 41.3** a) The grid for the sprint session will be drawn up as follows:
- i) The last five positions will be occupied by the cars eliminated during Q1, the fastest in 16<sup>th</sup> position.
  - ii) The next five positions will be occupied by the cars eliminated during Q2, the fastest in 11<sup>th</sup> position.
  - iii) The top ten positions will be occupied by the cars which took part in Q3, the fastest from the position on the grid which was the pole position in the previous year or, on a new circuit, has been designated as such by the Safety Delegate.

If two (2) or more drivers set identical times during Q1, Q2 or Q3 priority will be given to the one who set it first.

- b) If more than one driver fails to set a time during Q2 or Q3 they will be arranged in the following order:
- i) Any driver who attempted to set a qualifying time by starting a flying lap.
  - ii) Any driver who failed to start a flying lap.
  - iii) Any driver who failed to leave the pits during the period.
- c) Once the grid has been established in accordance with Articles 41.3a) and 41.3b) above, grid position penalties will then be applied to the drivers in question.
- d) If more than one driver is required to start the sprint session from the back of the grid, they will be arranged in qualifying practice order.

- 41.4** a) The grid for the race will be drawn up based on the final classification of the sprint session with the driver finishing first on pole position.
- b) Drivers that are not classified in the sprint session will start at the rear of the grid in the order of the number of laps completed. Should more than one (1) driver have the same number of completed laps, their order will be determined based on the final grid for the sprint session.
- c) If more than one driver fails to start the sprint session, they will be arranged on the grid behind any classified driver based on the drivers' time from the qualifying practice session.
- d) Once the grid has been established in accordance with Articles 41.4a), 41.4b) and 41.4c) above, grid position penalties will then be applied to the drivers in question.
- e) Any driver required to start the race from the back of the grid after incurring a penalty under Article 28.3 will be arranged on the grid behind any driver penalised in accordance with Article 41.4c) above.

If more than one (1) driver is required to start the race from the back of the grid they will be arranged in qualifying practice order.

- f) Any driver who incurs a penalty under Article 28.3 or Article 29 will take precedence over any driver whose qualifying practice times have been deleted for any reason.

If more than one driver falls into a single category in Articles 41.4b) or 41.4e) above they will be arranged on the grid in the order they were classified in the sprint session or, in the order they were classified in the qualifying practice session.

**41.5** The starting grid for both the sprint session and the race will be published no less than four (4) hours before the scheduled start of the formation lap. Any Competitor whose car(s) is (are) unable to start for any reason whatsoever (or who has good reason to believe that their car(s) will not be ready to start) must inform the stewards accordingly at the earliest opportunity and, in any event, no later than one and a half (1.5) hours and before the scheduled start of the formation lap for the sprint session and no later than two and a half (2.5) hours before the scheduled start of the formation lap for the race.

- a) If one or more cars are withdrawn the grid will be closed up accordingly.
- b) The final starting grid for the sprint session will be published one (1) hour before the scheduled start of the formation lap.
- c) The final starting grid for the race will be published two (2) hours before the scheduled start of the formation lap

**41.6** The grid will be in a staggered 1 x 1 formation and the rows on the grid will be separated by 16 metres.

## **42) THE GRID – SPRINT SESSION NOT SCHEDULED**

**42.1** At each **Competition** where a sprint session is not scheduled, the grid for the race will be formed in accordance with the provisions of this Article 42.

**42.2** Unless the track was declared wet by the Race Director, any driver eliminated during Q1 whose best qualifying practice session lap exceeds 107% of the fastest time set during that session, or who fails to set a time, will not be allowed to take part in the race. Under exceptional circumstances however, which may include setting a suitable lap time in a free practice session, the stewards may permit the car to start the race.

Any driver accepted in this manner will be placed at the back of the starting grid after any other penalties have been applied, and behind any driver penalised in accordance with Article 28.3

Should there be more than one (1) driver accepted in this manner they will be arranged on the grid in the order they were classified in P3.

- 42.3** a) The grid will be drawn up as follows:
- i) The last five positions will be occupied by the cars eliminated during Q1, the fastest in 16<sup>th</sup> position.
- ii) The next five positions will be occupied by the cars eliminated during Q2, the fastest in 11<sup>th</sup> position.
- iii) The top ten positions will be occupied by the cars which took part in Q3, the fastest from the position on the grid which was the pole position in the previous year or, on a new circuit, has been designated as such by the Safety Delegate.

If two (2) or more drivers set identical times during Q1, Q2 or Q3 priority will be given to the one who set it first.

If more than twenty (20) cars are entered in the Championship appropriate amendments will be made to the above in accordance with Article 39.2.

- b) If more than one (1) driver fails to set a time during Q2 or Q3 they will be arranged in the following order:
  - i) Any driver who attempted to set a qualifying time by starting a flying lap.
  - ii) Any driver who failed to start a flying lap.
  - iii) Any driver who failed to leave the pits during the period.
- c) Once the grid has been established in accordance with Article 42.3a), Article 42.3b), and Article 42.3c), grid position penalties will be applied to the drivers in question.
  - i) The driver with the higher classification from the qualifying practice session will have precedence.
- d) Once the grid has been established in accordance with Article 42.3a), 42.3b) and 42.3c), grid penalties for any driver required to start the race from the back of the grid after incurring a penalty under Article 28.3 will be applied.
  - i) If more than one (1) driver is required to start the race from the back of the grid they will be arranged in qualifying order.
- e) Any driver who incurs a penalty in accordance with Article 28.3 or Article 29 will take precedence over any driver whose qualifying practice times have been deleted for any reason.

If more than one (1) driver falls into a single category in Article 42.3b) or Article 42.3e) above they will be arranged on the grid in the order they were classified in the previous period of the qualifying practice session or, in the case of Q1, the order they were classified in P3.

- 42.4** The starting grid will be published no less than four (4) hours before the scheduled start of the formation lap. Any Competitor whose car(s) is (are) unable to start for any reason whatsoever (or who has good reason to believe that their car(s) will not be ready to start) must inform the stewards accordingly at the earliest opportunity and, in any event, no later than two and a half (2.5) hours before the scheduled start of the formation lap.
- a) If one or more cars are withdrawn the grid will be closed up accordingly.
  - b) The final starting grid will be published two (2) hours before the scheduled start of the formation lap.

- 42.5** The grid will be in a staggered 1 x 1 formation and the rows on the grid will be separated by 16 metres.

### **43) SPRINT SESSION STARTING PROCEDURE**

- 43.1** The sprint session start procedure detailed below will only be used at those **Competitions** where a sprint session is scheduled.

- 43.2** 30 minutes before the scheduled start of the formation lap the pit exit will be opened and all cars, including any that are required to start the sprint session from the pit lane, will be permitted to leave the pit lane to cover one (1) reconnaissance lap.

At the end of this lap all cars starting the sprint session from the grid should stop on the grid in starting order with their engines stopped.



All drivers going to the pit exit at this time must do so at a constant speed and with constant throttle. This applies over the whole of the pit lane.

Any car which does not complete a reconnaissance lap and reach the grid under its own power will not be permitted to start the sprint session from the grid.

At a Closed Event, once pit exit is opened, no more than forty-two (42) team personnel for each Competitor are permitted on the grid.

- 43.3** 27 minutes before the scheduled start of the formation lap, a warning signal will be given indicating that the end of the pit lane will be closed in two minutes.

25 minutes before the scheduled start of the formation lap the end of the pit lane will be closed and a second warning signal will be given. Any car which is still in the pit lane can start from the end of the pit lane provided it got there under its own power. If more than one car is affected, they must line up in the order in which they qualified. However, any car reaching the end of the pit lane after the five (5) minute signal must start behind any car already at the pit exit.

All such cars may then join the sprint session once the whole field has passed the end of the pit lane for the first time after the start.

- 43.4** The approach of the start will be announced by signals shown ten (10) minutes, five (5) minutes, three (3) minutes, one (1) minute and fifteen (15) seconds before the start of the formation lap, each of which will be accompanied by an audible warning.

When the ten (10) minute signal is shown, everybody except drivers, officials and team technical staff must leave the grid.

- 43.5** When the five (5) minute signal is shown all cars on the grid and any cars in the pit lane fast lane must:

- a) have their wheels fitted; and
- b) tyre blankets must also be disconnected from any power supply at this time and must not be reconnected during the start procedure, unless the delayed start signal is shown; and
- c) team personnel and equipment trolleys must commence leaving the grid.

A penalty in accordance with Article 54.3d) will be imposed on any driver whose car did not have all its wheels fully fitted at the five (5) minute signal.

After this signal wheels may only be removed in the pit lane inner lane.

- 43.6** When the three (3) minute signal is shown, no more than sixteen (16) team personnel for each Competitor are permitted on the grid.

- 43.7** When the one (1) minute signal is shown, engines should be started and all team personnel must leave the grid by the time the 15 second signal is given taking all equipment with them.

- a) If any team personnel are touching a car or team equipment is connected to a car on the grid after the fifteen (15) second signal has been shown, the driver of the car concerned must start the sprint session from the pit lane as specified in Article 43.3. A penalty in accordance with Article 54.3d) will be imposed on any driver who fails to start the sprint session from the pit lane.
- b) If any driver needs assistance after the fifteen (15) second signal he must raise his arm and, when the remainder of the cars able to do so have left the grid, marshals will be instructed to push the car into the pit lane.

In either of the above cases, marshals with yellow flags will stand beside any car (or cars) concerned to warn drivers behind.

- 43.8** When the green lights are illuminated, all cars on the grid should begin the formation lap with the pole position driver leading.

When leaving the grid all drivers must respect the pit lane speed limit until they pass pole position.

Marshals will be instructed to push any car (or cars) which remain on the grid into the pit lane by the fastest route immediately after cars able to do so have left the grid. Any driver being pushed from the grid may not attempt to start the car and must follow the instructions of the marshals.

- 43.9** During the formation lap practice starts are forbidden and the formation must be kept as tight as possible.

- 43.10** Overtaking during the formation lap is only permitted if a car is delayed and cars behind cannot avoid passing it without unduly delaying the remainder of the field. In this case, drivers may only overtake to re-establish the original starting order. Any driver delayed in this way, and who is unable to re-establish the original starting order before he reaches the first safety car line, must enter the pit lane and start from the end of the pit lane as specified in Article 43.3.

A penalty in accordance with Article 54.3d) will be imposed on any driver who fails to enter the pit lane if he has not re-established the original starting order before he reaches the first safety car line.

- 43.11** When the cars come back to the grid at the end of the formation lap or laps, they must stop within their respective starting grid positions, keeping their engines running.

- a) There will be a standing start, the signal being given by means of lights activated by the permanent starter.
- b) Once all the cars have come to a halt the five (5) second light will appear followed by the four, three, two and one second lights. At any time after the one-second light appears, the sprint session will be started by extinguishing all red lights.

- 43.12** If a car is immobilised on the starting grid after the formation lap has commenced:

- a) the marshals alongside the grid will wave their yellow flags to inform the drivers that a car is stationary on the grid; and
- b) it shall be the duty of the marshals to push it into the pit lane by the fastest route. Any driver being pushed from the grid may not attempt to start the car.
- c) Once the car is in the pit lane his team personnel may attempt to start it, if successful the driver may re-join the sprint session. The driver and mechanics must follow the instructions of the marshals at all times during such a procedure.

- 43.13** Unless specifically authorised by the Safety Delegate, during the start of a sprint session the pit wall must be kept free of all persons with the exception of the team personnel permitted under Article 26.12, officials and fire marshals.

#### **44) RACE STARTING PROCEDURE**

- 44.1** 40 minutes before the scheduled start of the formation lap the pit exit will be opened and all cars, including any that are required to start the race from the pit lane, will be permitted to leave the pit lane to cover a reconnaissance lap. Should any driver wish to cover more than one reconnaissance lap, this must be done by driving down the pit lane at greatly reduced speed between each of the laps. If a driver stops in his pit between

reconnaissance laps the car may only re-join the track by being driven from the driver's garage and not from his pit stop position.

At the end of these laps all cars starting the race from the grid should stop on the grid in starting order with their engines stopped.

All drivers going to the pit exit at this time must do so at a constant speed and with constant throttle. This applies over the whole of the pit lane whether a driver is going to the pit exit from his garage or travelling through the pit lane between reconnaissance laps.

Any car which does not complete a reconnaissance lap and reach the grid under its own power will not be permitted to start the race from the grid.

At a Closed Event, once pit exit is opened, no more than forty-two (42) team personnel for each Competitor are permitted on the grid.

- 44.2** 32 minutes before the scheduled start of the formation lap, a warning signal will be given indicating that the end of the pit lane will be closed in two minutes.

30 minutes before the scheduled start of the formation lap the end of the pit lane will be closed and a second warning signal will be given. Any car which is still in the pit lane can start from the end of the pit lane provided it got there under its own power. If more than one car is affected, they must line up in the order in which they qualified. However, any car reaching the end of the pit lane after the five (5) minute signal must start behind any car already at the pit exit.

All such cars may then join the race once the whole field has passed the end of the pit lane for the first time after the start.

- 44.3** The approach of the start will be announced by signals shown ten (10) minutes, five (5) minutes, three (3) minutes, one (1) minute and fifteen (15) seconds before the start of the formation lap, each of which will be accompanied by an audible warning.

When the ten (10) minute signal is shown, everybody except drivers, officials and team technical staff must leave the grid.

- 44.4** When the five (5) minute signal is shown all cars on the grid and any cars in the pit lane fast lane must:

- a) have their wheels fitted; and
- b) tyre blankets must also be disconnected from any power supply at this time and must not be reconnected during the start procedure, unless the delayed start signal is shown; and
- c) team personnel and equipment trolleys must commence leaving the grid.

A penalty in accordance with Article 54.3d) will be imposed on any driver whose car did not have all its wheels fully fitted at the five (5) minute signal.

After this signal wheels may only be removed in the pit lane inner lane.

- 44.5** When the three (3) minute signal is shown, no more than sixteen (16) team personnel for each Competitor are permitted on the grid.

- 44.6** When the one (1) minute signal is shown, engines should be started and all team personnel must leave the grid by the time the fifteen (15) second signal is given taking all equipment with them.

If any team personnel are touching a car or team equipment is connected to a car on the grid after the fifteen (15) second signal has been shown the driver of the car concerned

must start the race from the pit lane as specified in Article 44.2. A penalty in accordance with Article 54.3d) will be imposed on any driver who fails to start the race from the pit lane.

If any driver needs assistance after the fifteen (15) second signal he must raise his arm and, when the remainder of the cars able to do so have left the grid, marshals will be instructed to push the car into the pit lane.

In either of the above cases, marshals with yellow flags will stand beside any car (or cars) concerned to warn drivers behind.

- 44.7** When the green lights are illuminated, all cars on the grid should begin the formation lap with the pole position driver leading.

When leaving the grid all drivers must respect the pit lane speed limit until they pass pole position.

Marshals will be instructed to push any car (or cars) which remain on the grid into the pit lane by the fastest route immediately after cars able to do so have left the grid. Any driver being pushed from the grid may not attempt to start the car and must follow the instructions of the marshals.

- 44.8** During the formation lap practice starts are forbidden and the formation must be kept as tight as possible.

- 44.9** Overtaking during the formation lap is only permitted if a car is delayed and cars behind cannot avoid passing it without unduly delaying the remainder of the field. In this case, drivers may only overtake to re-establish the original starting order. Any driver delayed in this way, and who is unable to re-establish the original starting order before he reaches the first safety car line, must enter the pit lane and start from the end of the pit lane as specified in Article 44.2.

A penalty in accordance with Article 54.3d) will be imposed on any driver who fails to enter the pit lane if he has not re-established the original starting order before he reaches the first safety car line.

- 44.10** When the cars come back to the grid at the end of the formation lap or laps, they must stop within their respective starting grid positions, keeping their engines running.

- a) There will be a standing start, the signal being given by means of lights activated by the permanent starter.
- b) Once all the cars have come to a halt the five (5) second light will appear followed by the four, three, two and one second lights. At any time after the one-second light appears, the race will be started by extinguishing all red lights.

- 44.11** If a car is immobilised on the starting grid after the formation lap has commenced:

- a) the marshals alongside the grid will wave their yellow flags to inform the drivers that a car is stationary on the grid; and
- b) it shall be the duty of the marshals to push it into the pit lane by the fastest route. Any driver being pushed from the grid may not attempt to start the car.
- c) Once the car is in the pit lane his team personnel may attempt to start it, if successful the driver may re-join the race. The driver and mechanics must follow the instructions of the marshals at all times during such a procedure.

- 44.12** Unless specifically authorised by the Safety Delegate, during the start of a race the pit wall must be kept free of all persons with the exception of the team personnel permitted under Article 26.12, officials and fire marshals.

#### **45) EXTRA FORMATION LAP**

**45.1** If, after returning to the starting grid at the end of the formation lap a problem arises, the following procedures shall apply:

- a) If a car develops a problem that could endanger the start the driver must immediately raise his hands above his head and the marshal responsible for that row must immediately wave a yellow flag and/or activate the yellow grid light panel.
- b) If the Race Director decides the start should be aborted the green lights will be illuminated two seconds after the abort lights are switched on, a board saying "EXTRA FORMATION LAP" will be displayed and all Competitors will be informed using the official messaging system. All cars able to do so must complete a further formation lap whilst the car which developed the problem is moved into the pit lane.
- c) When leaving the grid to complete the extra formation lap all drivers must respect the pit lane speed limit until they pass pole position.
- d) The Competitor may then attempt to rectify the problem and, if successful, the car may then start from the end of the pit lane.
- e) Should there be more than one car involved their starting order will be determined by the order in which they reached the end of the pit lane.
- f) Every time this happens the sprint session or the race will be shortened by one (1) lap.
- g) Any cars that were starting the sprint session or the race from the pit lane may join the extra formation lap once the whole field has passed the end of the pit lane for the first time. Any such cars may complete the extra formation lap but must enter the pit lane and start the sprint session or the race from the end of the pit lane in the order they get there.

**45.2** If another problem arises which does not necessitate a delay to the start (see Article 46), drivers will be asked to carry out an extra formation lap as set out in Article 45.1 above.

- a) Any driver who caused the start to be aborted, and is then able to start the extra formation lap must enter the pit lane at the end of the lap and start the sprint session or the race as specified in Articles 43.3 or 44.2.
- b) A penalty under Article 54.3d) will be imposed on any driver who fails to start the race from the pit lane.

**45.3** Should Article 45.1 apply, the sprint session or the race will nevertheless count for the Championship no matter how often the procedure is repeated, or how much the sprint session or the race is shortened as a result.

#### **46) DELAYED START**

**46.1** If the Race Director decides the start should be delayed, and the formation lap has not started the abort lights will be switched on and a board saying "DELAYED START" will be displayed. The starting procedure will begin again at the ten (10) minute point.

#### **47) ABORTED START**

**47.1** If the formation lap has started, and the Race Director decides the start should be aborted, the abort lights will be switched on, a board saying "ABORTED START" will be displayed, all cars should return to the grid and all Competitors will be informed of the likely delay using the official messaging system. Once the start time is known the starting procedure will begin again at the five (5) minute point.

Tyre changing on the grid is not permitted during such a delay, unless in the opinion of the Race Director each Competitor should be given the opportunity to change tyres by delaying the start. In this case, the starting procedure will begin again at the ten (10) minute point.

Every time this happens the sprint session or the race will be shortened by one (1) lap.

#### **48) INCORRECT STARTING LOCATION**

**48.1** Any of the penalties under Articles 54.3a), 54.3b), or 54.3c) will be imposed on any driver who is judged to have:

- a) Moved before the start signal is given, such judgement being made by an FIA approved and supplied transponder fitted to each car, or;
- b) Positioned his car on the starting grid in such a way that the transponder is unable to detect the moment at which the car first moved from its grid position after the start signal is given, or;
- c) the contact patch of the front tyres in front of its grid position before the start signal is given.

#### **49) FORMATION LAP BEHIND THE SAFETY CAR**

**49.1** If track conditions are considered unsuitable to start the sprint session or the race at the scheduled time the start of the formation lap may take place behind the safety car. If this is the case, at the ten (10) minute signal its orange lights will be illuminated, this being the signal to the drivers that the formation lap will be started behind the safety car and the use of wet-weather tyres as specified under Article 30.5n) is compulsory. At the same time this will be confirmed to all Competitors using the official messaging system.

**49.2** When the green lights are illuminated the safety car will leave the grid and all drivers must follow in grid order, no more than ten (10) car lengths apart, and must respect the pit lane speed limit until they pass pole position. The safety car will continue until conditions are considered suitable for competition.

**49.3** Any cars that were starting the sprint session or the race from the pit lane may join the formation lap once the whole field has passed the end of the pit lane for the first time. Any such cars may complete all formation laps but must enter the pit lane after the safety car returns to the pits and start the sprint session or the race from the end of the pit lane in the order they get there.

**49.4** Any other car entering the pit lane during the formation laps may re-join the track but must enter the pit lane after the safety car returns to the pits and start the sprint session or the race from the end of the pit lane in the order they get there.

**49.5** A penalty in accordance with Article 54.3d) will be imposed on any driver whose tyre(s) are changed for a different specification before the start of the race.

**49.6** Overtaking during the lap(s) behind the safety car is only permitted under the following circumstances:

- a) If a car is delayed when leaving the grid and cars behind cannot avoid passing it without unduly delaying the remainder of the field, or
- b) If there is more than one car starting from the pit lane and one of them is unduly delayed.
- c) If any car slows with an obvious problem, or
- d) If a car is delayed during the formation lap(s) behind the safety car.

- 49.7 In ~~any of the cases either case~~ detailed in Article 49.6, drivers may only overtake to re-establish the original starting order or the order the cars were in at the pit exit when the formation lap was started.
- a) Under a “STANDING START” as detailed in Article 51.1, the driver of any car that is delayed in any of the cases detailed in Article 49.6 may overtake to re-establish the original starting position provided they do so before they cross ~~Any driver delayed in either way, and who is unable to re-establish the original starting order before he reaches~~ the first safety car line on the lap the safety car returns to the pits. ~~Should they fail to do so, they~~ must re-enter the pit lane and may only join the sprint session or the race once the whole field has passed the end of the pit lane after the start of the sprint session or the race.
- ~~b)~~ A penalty in accordance with Article 54.3d) will be imposed on any driver who fails to re-enter the pit lane if they have ~~he has~~ not re-established the original starting order before ~~they he reaches~~ the first safety car line on the lap the safety car returns to the pits.
- b) As detailed in Article 52.1, the driver of any car that is delayed in any of the cases detailed in Article 49.6 may overtake to re-establish the original starting order provided they do so before the message “ROLLING START” is sent to all competitors using the official messaging system. Should they fail to do so, they must start the sprint session or race from where they are.

## 50) STARTING PROCEDURE SUSPENDED

- 50.1 If, after one or more formation laps behind the safety car, track conditions are considered unsuitable to start the sprint session or the race, the message “START PROCEDURE SUSPENDED” will be sent to all Competitors using the official messaging system and all cars must enter the pit lane behind the safety car. The procedures described in Articles 57 and 58.1 to 58.10 must then be followed, ~~the use of wet-weather tyres under Article 30.5n) is compulsory~~ and there will be a “ROLLING START” as detailed in Article 58.13 ~~no standing start~~. The race will start when the safety car leaves the pit lane as described in Article 58.9.

## 51) STANDING START

- 51.1 If, after one or more formation laps behind the safety car, the track conditions are considered suitable to start the sprint session or the race from a standing start, the message “STANDING START” will be sent to all Competitors via the official messaging system, all FIA light panels will display “SS” and the car’s orange lights will be extinguished. This will be the signal to the Competitors and drivers that it will be entering the pit lane at the end of that lap.

At this point the first car in line behind the safety car may dictate the pace and, if necessary, fall more than ten (10) car lengths behind it.

Once the safety car has entered the pit lane all cars, with the exception of those required to start from the pit lane, should return to the grid, take up their grid positions and follow the procedures set out in Articles 43.11, 43.12 and 43.13 or Articles 44.10, 44.11 and 44.12 as relevant.

## 52) ROLLING START

- 52.1 If, after one or more formation laps behind the safety car, the track conditions are considered unsuitable to start the sprint session or the race from a standing start, the message “ROLLING START” will be sent to all Competitors using the official messaging

system, all FIA light panels will display “RS” and the car’s orange lights will be extinguished. This will be the signal to the Competitors and drivers that it will be entering the pit lane at the end of that lap.

At this point the first car in line behind the safety car may dictate the pace and, if necessary, fall more than ten (10) car lengths behind it.

As the safety car is approaching the pit entry the FIA light panels will be extinguished and a green flag and/or green light panel will be displayed at the Line.

No driver may overtake another car on the track until he passes the Line (see Article 5.3) for the first time after the safety car has returned to the pits. The sprint session or the race will be deemed to have started when the leading car crosses the Line after the safety car has returned to the pits.

### **53) SPRINT SESSION AND THE RACE**

**53.1** During a sprint session or the race, drivers leaving the pit lane may only do so when the light at the end of the pit lane is green and on their own responsibility. A marshal with a blue flag and/or a flashing blue light, will also warn the driver if cars are approaching on the track.

### **54) INCIDENTS DURING THE SPRINT SESSION OR THE RACE**

**54.1** The Race Director may report any on-track incident or suspected breach of these Sporting Regulations or the Code (an “Incident”) to the stewards. After review it shall be at the discretion of the stewards to decide whether or not to proceed with an investigation.

The stewards may also investigate an Incident noted by themselves.

**54.2** a) It shall be at the discretion of the stewards to decide if any driver involved in an Incident should be penalised.

Unless it is clear to the stewards that a driver was wholly or predominantly to blame for an Incident no penalty will be imposed.

b) If an Incident is under investigation by the stewards a message informing all Competitors which driver or drivers are involved will be sent using the official messaging system.

i) Provided that such a message is displayed no later than sixty (60) minutes after the sprint session or the race has finished the driver or drivers concerned may not leave the circuit without the consent of the stewards.

**54.3** The stewards may impose any one of the penalties below on any driver involved in an Incident:

a) A five (5) second time penalty. The driver must enter the pit lane, stop in his pit stop position for at least five seconds and then re-join the sprint session or the race. The relevant driver may however elect not to stop, provided he carries out no further pit stop before the end of the sprint session or the race. In such cases five (5) seconds will be added to the elapsed the sprint session or race time of the driver concerned.

b) A ten (10) second time penalty. The driver must enter the pit lane, stop in his pit stop position for at least ten seconds and then re-join the sprint session or the race. The relevant driver may however elect not to stop, provided he carries out no further pit stop before the end of the sprint session or the race. In such cases ten



(10) seconds will be added to the elapsed the sprint session or race time of the driver concerned.

In both of the above cases the driver concerned must carry out the penalty the next time he enters the pit lane and, for the avoidance of doubt, this includes any stop the driver makes whilst a VSC or safety car procedure is in use.

- c) A drive-through penalty. The driver must enter the pit lane and re-join the sprint session or the race without stopping.
- d) A ten second stop-and-go time penalty. The driver must enter the pit lane, stop in his pit stop position for at least ten seconds and then re-join the sprint session or the race.

If any of the four (4) penalties above are imposed upon a driver, and that driver is unable to serve the penalty due to retirement from the sprint session or the race, the stewards may impose a grid place penalty on the driver at his next race.

If any of the four (4) penalties above are imposed during the last three (3) laps, or after the end of a sprint session or a race, Article 54.4b) below will not apply and five seconds will be added to the elapsed time of the driver concerned in the case of (a) above, 10 seconds in the case of (b), 20 seconds in the case of (c) and 30 seconds in the case of (d).

- e) A time penalty.
- f) A reprimand.
- g) A drop of any number of grid positions at the driver's next race.

If any of the seven penalties above are imposed they shall not be subject to appeal.

- h) Disqualification from the results.
- i) Suspension from the driver's next **Competition**.

**54.4** Should the stewards decide to impose any of the penalties under Article 54.3a), 54.3b), 54.3c) or 54.3d), the following procedure will be followed:

- a) The stewards will give written notification of the penalty which has been imposed to the Competitor concerned and will inform all Competitors using the official messaging system.
- b) With the exception of Articles 54.3a) and 54.3b) above, from the time the Competitor concerned is notified of the stewards' decision using the official messaging system the relevant driver may cross the Line on the track no more than twice before entering the pit lane and, in the case of a penalty in accordance with Article 54.3d), proceeding to his pit stop position where he shall remain for the period of the time penalty.

However, unless the driver was already in the pit entry for the purpose of serving his penalty, he may not carry out the penalty if the VSC procedure is in use or after the safety car has been deployed. The number of times the driver crosses the Line behind the safety car or during the VSC procedure will be added to the maximum number of times he may cross the Line on the track.

- c) Whilst a car is stationary in the pit lane as a result of incurring a penalty in accordance with Articles 54.3a) or 54.3b) above, it may not be worked on until the car has been stationary for the duration of the penalty.

- d) Whilst a car is stationary in the pit lane as a result of incurring a time penalty in accordance with Article 54.3d) above it may not be worked on. However, if the engine stops any work necessary to re-start it may be carried out after the time penalty period has elapsed. If the Competitor is unable to start the engine the car may then only be worked on in the driver's garage.
- e) Any breach or failure to comply with Articles 54.4b), 54.4c) or 54.4d) may result in the car being disqualified.

## **55) SAFETY CAR**

- 55.1 The FIA safety car will be driven by an FIA appointed safety car driver and will carry an FIA safety car observer capable of recognising all the competing cars who is in permanent radio contact with race control.
- 55.2 Prior to the pit lane opening for a reconnaissance lap, the safety car will leave the pit lane and take up position at the front of the grid and remain there until the five (5) minute signal is given. At this point (except under Article 49) it will cover a lap of the track and take up position.
- 55.3 The safety car may be brought into operation to neutralise a sprint session or a race upon the order of the clerk of the course.
  - a) It will be used only if Competitors or officials are in immediate physical danger on or near the track but the circumstances are not such as to necessitate suspending sprint session or the race.
- 55.4 When the order is given to deploy the safety car the message "SAFETY CAR DEPLOYED" will be sent to all Competitors via the official messaging system, all FIA light panels will display "SC" and all marshal's posts will display waved yellow flags and "SC" boards for the duration of the intervention.
- 55.5 No car may be driven unnecessarily slowly, erratically or in a manner which could be deemed potentially dangerous to other drivers or any other person at any time whilst the safety car is deployed. This will apply whether any such car is being driven on the track, the pit entry or the pit lane.
- 55.6 The safety car will join the track with its orange lights illuminated and will do so regardless of where the leader is.
- 55.7 All competing cars must reduce speed and form up in line behind the safety car no more than ten car lengths apart. In order to ensure that drivers reduce speed sufficiently, from the time at which all Competitors have been sent the "SAFETY CAR DEPLOYED" message using the official messaging system until the time that each car crosses the first safety car line for the second time, drivers must stay above the minimum time set by the FIA ECU at least once in each marshalling sector and at both the first and second safety car lines (a marshalling sector is defined as the section of track between each of the FIA light panels).

The stewards may impose either of the penalties under Article 54.3a), 54.3b), 54.3c) or 54.3d) on any driver who fails to stay above the minimum time as required by the above.
- 55.8 With the exception of the cases listed under a) to h) below, no driver may overtake another car on the track, including the safety car, until he passes the Line (see Article 5.3) for the first time after the safety car has returned to the pits.

The exceptions are:

- a) If a driver is signalled to do so from the safety car.
- b) Under Articles 49.6, 55.13, 58.6, and 58.12.
- c) When entering the pits a driver may pass another car remaining on the track, including the safety car, after he has reached the first safety car line.
- d) When leaving the pits a driver may overtake, or be overtaken by, another car on the track before he reaches the second safety car line.
- e) When the safety car is returning to the pits it may be overtaken by cars on the track once it has reached the first safety car line.
- f) Whilst in the pit entry, pit lane or pit exit a driver may overtake another car which is also in one of these three areas.
- g) Any car stopping in its designated garage area whilst the safety car is using the pit lane (see Article 55.11 below) may be overtaken.
- h) If any car slows with an obvious problem.

**55.9** When ordered to do so by the clerk of the course the observer in the car will use a green light to signal to any cars between it and the leader that they should pass. These cars will continue at reduced speed and without overtaking until they reach the line of cars behind the safety car.

**55.10** Except under Article 55.12 below, the safety car shall be used at least until the leader is behind it and all remaining cars are lined up behind him.

Once behind the safety car, the leader must keep within ten (10) car lengths of it (except under Article 55.13 below).

**55.11** Under certain circumstances the clerk of the course may ask the cars and the safety car to use the pit lane. In these cases, a signal to use the pit lane will be displayed before the start of the pit entry and all Competitors will be informed using the official messaging system, all cars must then enter the pit lane, drive through it and re-join the track. Any car entering the pit lane under these circumstances may however stop at its designated garage area. A penalty in accordance with Article 54.3c) will be imposed on any driver who fails to enter the pit lane when required to do so.

Other than when the cars and the safety car are required to use the pit lane, no car may enter the pits whilst the safety car is deployed unless it is for the purpose of changing tyres.

**55.12** If the clerk of the course considers track conditions are unsuitable for overtaking the message "OVERTAKING WILL NOT BE PERMITTED" will be sent to all Competitors using the official messaging system.

**55.13** If the clerk of the course considers it safe to do so, and the message "LAPPED CARS MAY NOW OVERTAKE" has been sent to all Competitors using the official messaging system, all cars that have been lapped by the leader will be required to pass the cars on the lead lap and the safety car.

This will only apply to cars that were lapped at the time they crossed the Line at the end of the lap during which they crossed the first Safety Car line for the second time after the safety car was deployed.

Having overtaken the cars on the lead lap and the safety car these cars should then proceed around the track at an appropriate speed, without overtaking, and make every effort to take up position at the back of the line of cars behind the safety car. Whilst they

are overtaking, and in order to ensure this may be carried out safely, the cars on the lead lap must always stay on the racing line unless deviating from it is unavoidable.

Unless the clerk of the course considers the presence of the safety car is still necessary, once the message “LAPPED CARS MAY NOW OVERTAKE” has been sent to all Competitors using the official messaging system, the safety car will return to the pits at the end of the following lap.

- 55.14** When the clerk of the course decides it is safe to call in the safety car the message “SAFETY CAR IN THIS LAP” will be sent to all Competitors using the official messaging system and the car’s orange lights will be extinguished. This will be the signal to the Competitors and drivers that it will be entering the pit lane at the end of that lap.

At this point the first car in line behind the safety car may dictate the pace and, if necessary, fall more than ten (10) car lengths behind it.

In order to avoid the likelihood of accidents before the safety car returns to the pits, from the point at which the lights on the car are turned out drivers must proceed at a pace which involves no erratic acceleration or braking nor any other manoeuvre which is likely to endanger other drivers or impede the restart.

As the safety car is approaching the pit entry the SC boards will be withdrawn and, other than on the last lap of the sprint session or the race, as the leader approaches the Line the yellow flags will be withdrawn and a green flag and/or green light panel will be displayed at the Line.

- 55.15** Each lap completed while the safety car is deployed will be counted as a sprint session lap or race lap. However, if the procedure set out in Article 49 is followed, Article 5.3a)ii) or Article 5.4c) as appropriate will apply.

- 55.16** If the safety car is still deployed at the beginning of the last lap, or is deployed during the last lap, it will enter the pit lane at the end of the lap and the cars will take the end-of-session signal as normal without overtaking.

## **56) VIRTUAL SAFETY CAR (VSC)**

- 56.1** The VSC procedure may be initiated to neutralise a practice session, sprint session or a race upon the order of the clerk of the course.

a) It will normally be used when double waved yellow flags are needed on any section of track and Competitors or officials may be in danger, but the circumstances are not such as to warrant use of the safety car itself.

- 56.2** When the order is given to initiate the VSC procedure a message “VSC DEPLOYED” will be sent to all Competitors using the official messaging system and all FIA light panels will display “VSC”.

- 56.3** No car may be driven unnecessarily slowly, erratically or in a manner which could be deemed potentially dangerous to other drivers or any other person at any time whilst the VSC procedure is in use. This will apply whether any such car is being driven on the track, the pit entry or the pit lane.

- 56.4** When initiated during a sprint session or a race, no car may enter the pits whilst the VSC procedure is in use unless it is for the purpose of changing tyres.

- 56.5** All competing cars must reduce speed and stay above the minimum time set by the FIA ECU at least once in each marshalling sector and at both the first and second safety car lines (a marshalling sector is defined as the section of track between each of the FIA light panels).

All cars must also be above this minimum time when the FIA light panels change to green (see Article 56.7 below).

When initiated during the sprint session or a race, the stewards may impose any of the penalties under Article 54.3a), 54.3b), 54.3c) or 54.3d) on any driver who fails to stay above the minimum time as required by the above.

**56.6** With the exception of the cases listed under a) to d) below, no driver may overtake another car on the track whilst the VSC procedure is in use.

The exceptions are:

- a) When entering the pits a driver may pass another car remaining on the track after he has reached the first safety car line.
- b) When leaving the pits a driver may overtake, or be overtaken by, another car on the track before he reaches the second safety car line.
- c) Whilst in the pit entry, pit lane or pit exit a driver may overtake another car which is also in one of these three areas.
- d) If any car slows with an obvious problem.

**56.7** When the clerk of the course decides it is safe to end the VSC procedure the message "VSC ENDING" will be sent to all Competitors via the official messaging system and, at any time between 10 and 15 seconds later, "VSC" on the FIA light panels will change to green and drivers may continue the session or continue racing immediately. After 30 seconds the green lights will be extinguished.

**56.8** Each lap completed whilst the VSC procedure is in use during a sprint session or the race will be counted as a lap.

## **57) SUSPENDING A SPRINT SESSION OR A RACE**

**57.1** If Competitors or officials are placed in immediate physical danger by cars running on the track, and the clerk of the course deems circumstances are such that the track cannot be negotiated safely, even behind the safety car, the sprint session or the race will be suspended.

Should it become necessary to suspend the sprint session or the race, the clerk of the course will order red flags to be shown at all marshal posts and the abort lights to be shown at the Line.

**57.2** When the signal is given overtaking is forbidden, the pit exit will be closed and all cars must proceed slowly into the pit lane. The first car to arrive in the pit lane should proceed directly to the pit exit staying in the fast lane, all the other cars should form up in a line behind the first car.

**57.3** Any cars unable to return to the pit lane as a result of the track being blocked will be brought back when the track is cleared and will be arranged in the order they occupied before the sprint session or the race was suspended.

Additionally, any cars in the pit lane or pit entry at the time the sprint session or the race was suspended will be arranged in the order they occupied before the sprint session or the race was suspended. Any cars in their garage at the time the sprint session or the race was suspended will be arranged at the back of the line of cars in the fast lane in the order they got there. Any such cars will be permitted to leave the pit lane when the sprint session or the race is resumed but must re-enter the pit lane when the safety car returns and may join the sprint session or the race once the last car has passed the pit exit after the re-start (also see Article 58.12).

In all cases the order will be taken at the last point at which it was possible to determine the position of all cars. All such cars will then be permitted to resume the sprint session or the race.

The Safety Car will then be driven to the front of the line of cars in the fast lane.

**57.4** Whilst the sprint session or the race is suspended:

- a) The sprint session, the race nor the timekeeping system will stop, however, in accordance with Article 5.3 the length of the sprint session or the race suspension will be added to the maximum time period.
- b) Cars may be worked on once they have stopped in the fast lane but any such work is restricted to that listed in Articles 57.4b)i) to ix) and must not impede the resumption of the sprint session or the race.
  - i) Starting the engine and any directly associated preparation.
  - ii) The addition of compressed gases (see Article 4.5 of the Technical Regulations).
  - iii) The fitting or removal of permitted cooling and heating devices.
  - iv) Changes to the air ducts around the front and rear brakes during the race only.
  - v) Changes to the radiator ducts during the race only.
  - vi) Changes made for driver comfort.
  - vii) Changing wheels and tyres.
  - viii) Repair of genuine accident damage, as specified in Article 40.2u), including the replacement of assemblies containing such damaged parts.
  - ix) The aerodynamic set up of the front wing may be adjusted using the existing parts. No parts may be added, removed or replaced.
- c) Only team members, officials and duly accredited television cameramen will be permitted in the pit lane.

**57.5** Unless asked to do so by the FIA, cars may not be moved from the fast lane whilst the sprint session or the race is suspended. A penalty in accordance with Article 54.3c) will be imposed on any driver whose car is moved from the fast lane to any other part of the pit lane.

At all times drivers must follow the directions of the marshals.

**58) RESUMING A SPRINT SESSION OR A RACE**

**58.1** The delay will be kept as short as possible and as soon as a resumption time is known all Competitors will be informed via the official messaging system, in all cases at least ten minutes warning will be given.

**58.2** Signals will be shown ten minutes, five minutes, three minutes, one minute and fifteen seconds before the resumption and each of these will be accompanied by an audible warning.

**58.3** When the five (5) minute signal is shown all cars must have their wheels fitted. Tyre blankets must also be disconnected from any power supply at this time and must not be reconnected during the start procedure, unless the delayed start signal is shown.

After this signal wheels may only be removed if the car has been moved out of the fast lane or during a further suspension.

A penalty in accordance with Article 54.3d) will be imposed on any driver whose car did not have all its wheels fully fitted at the five (5) minute signal or has any of its wheels changed before it leaves the pit lane after the sprint session or the race has been resumed.

**58.4** At the two (2) minute point any cars between the safety car and the leader, in addition to any cars that had been lapped by the leader at the time the sprint session or the race was suspended, will be allowed to leave the pit lane and complete a further lap, without overtaking, enter the pit lane and then join the line of cars behind the safety car.

**58.5** When the one (1) minute signal is shown, engines should be started and all team personnel must leave the fast lane by the time the fifteen (15) second signal is given taking all equipment with them. If any driver needs assistance after the fifteen (15) second signal, he must raise his arm and, when the remainder of the cars able to do so have left the pit lane, marshals will be instructed to push the car into the inner lane. In this case, marshals with yellow flags will stand beside any car concerned to warn drivers behind. Drivers may leave the fast lane in order to pass any car unable to leave the pit lane.

**58.6** Overtaking behind the safety car is only permitted in the following cases:

- a) Drivers may leave the fast lane in order to overtake any car delayed with an obvious problem when leaving its position in the fast lane, ~~or~~
- b) Whilst in the pit entry, pit lane or pit exit a driver may overtake another car which is also in one of these three areas, ~~or~~
- c) If any car slows with an obvious problem, ~~or~~
- d) If a car is delayed during the lap(s) behind the safety car.

**58.7** In any of the cases detailed in Article 58.6, drivers may only overtake to re-establish the original starting order or the order the cars were in at the pit exit when the sprint session or race was resumed.

- a) Under ~~During~~ a “STANDING START” as detailed in Article 58.12 ~~58.14~~, the driver of any car that is delayed in any of the cases detailed in Article 58.6 ~~any driver who is delayed when leaving his position in the fast lane or during the lap(s) behind the safety car~~ may overtake to re-establish ~~the his~~ original starting position provided ~~they do he does~~ so before ~~they cross he crosses~~ the first safety car line on the lap the safety car returns to the pits. Should ~~they he~~ fail to do so ~~they he~~ must re-enter the pit lane and may only re-join the race once the whole field has passed the end of the pit lane after the sprint session or the race has been resumed.

A penalty in accordance with Article 54.3d) will be imposed on any driver who fails to re-enter the pit lane if ~~they have he has~~ not re-established the original starting order before ~~they reach he reaches~~ the first safety car line on the lap the safety car returns to the pits.

- b) Under a “ROLLING START” as detailed in Article 58.13, the driver of any car that is delayed in any of the cases detailed in Article 58.6 may overtake to re-establish the original starting order provided they do so before the message “ROLLING START” is sent to all competitors using the official messaging system. Should they fail to do so, they must resume the sprint session or race from where they are.

- 58.8** Any driver whose car has been pushed from the fast lane, in accordance with Article 58.5 above, may not overtake in order to re-establish the order before the sprint session or the race was suspended.
- 58.9** The sprint session or the race will be resumed behind the safety car when the green lights are illuminated and the safety car leaves the pit lane. Drivers must follow the safety car no more than ten car lengths apart.
- 58.10** Either of the penalties prescribed in Article 54.3c) or 54.3d) will be imposed on any driver who, in the opinion of the stewards, unnecessarily overtook another car during the lap (or laps).
- 58.11** The safety car will enter the pits after one (1) lap unless:
- The sprint session or the race is being resumed in wet conditions and the Race Director deems more than one lap necessary, in which case the use of wet-weather tyres as specified under Article 30.5n) is compulsory.
  - All cars are not yet in a line behind the safety car.
  - A further incident occurs necessitating another intervention.
- 58.12** If track conditions are considered suitable to resume the sprint session or the race from a standing start, the message “STANDING START PROCEDURE” will be sent to all Competitors using the official messaging system at a time no later than one (1) minute signal detailed in Article 58.5.

When the clerk of the course decides it is safe to call in the safety car, the message “STANDING START” will be sent to all Competitors using the official messaging system, all FIA light panels will display “SS” and the safety car’s orange lights will be extinguished. This will be the signal to the Competitors and drivers that the safety car will be entering the pit lane at the end of that lap.

At this point the first car in line behind the safety car may dictate the pace and, if necessary, fall more than ten (10) car lengths behind it.

As the safety car is approaching the pit entry the FIA light panels will be extinguished.

Once the safety car has entered the pit lane all cars, with the exception of those that were in their garage at the time the sprint session or the race was suspended (see Article 57.3), should return to the grid, take up their grid positions and follow the procedures set out in Articles 43.11, 43.12 and 43.13 or Articles 44.10, 44.11 and 44.12 as relevant.

Each lap completed while the safety car is deployed will be counted as a sprint session lap or a race lap as appropriate.

- 58.13** If track conditions are considered unsuitable to resume the sprint session or the race from a standing start, the message “ROLLING START PROCEDURE” will be sent to all Competitors using the official messaging system, at a time no later than one (1) minute signal detailed in Article 58.5.

When the clerk of the course decides it is safe to call in the safety car the message “ROLLING START” will be sent to all Competitors using the official messaging system, all FIA light panels will display “RS” and the safety car’s orange lights will be extinguished. This will be the signal to the Competitors and drivers that the safety car will be entering the pit lane at the end of that lap.

At this point the first car in line behind the safety car may dictate the pace and, if necessary, fall more than ten (10) car lengths behind it.



As the safety car is approaching the pit entry the FIA light panels will be extinguished and a green flag and/or green light panel will be displayed at the Line.

No driver may overtake another car on the track until he passes the Line (see Article 5.3) for the first time after the safety car has returned to the pits.

Each lap completed while the safety car is deployed will be counted as a sprint session lap or a race lap as appropriate.

**58.14** If, after one or more laps behind the safety car, track conditions are considered unsuitable to resume competition, the message “RE-START PROCEDURE SUSPENDED” will be sent to all Competitors using the official messaging system and all cars must enter the pit lane behind the safety car. The procedures set out in Article 57 and Articles 58.1 to 58.10 ~~58.9~~ must then be followed, the use of wet-weather tyres under Article 30.5n) is compulsory and there will be a “ROLLING START” as detailed in Article 58.13 ~~no standing start~~.

**58.15** If the sprint session or the race cannot be resumed the results will be taken at the end of the penultimate lap before the lap during which the signal to suspend the sprint session or the race was given.

## **59) FINISH**

**59.1** A chequered flag will be the end-of-session signal and will be shown at the Line as soon as the leading car has covered the full distance in accordance with Article 5.3.

**59.2** Should for any reason the end-of-session signal be given before the leading car completes the scheduled number of laps, or the prescribed time has been completed, the sprint session or the race will be deemed to have finished when the leading car last crossed the Line before the signal was given.

Should the end-of-session signal be delayed for any reason, the sprint session or the race will be deemed to have finished when it should have finished.

**59.3** After receiving the end-of-session signal all cars must proceed on the circuit directly to the parc fermé without any unnecessary delay, without receiving any object whatsoever and without any assistance (except that of the marshals if necessary).

An exception to Article 26.4 and to the above will be made for the winning driver of the race who may perform an act of celebration before reaching parc fermé, provided any such act:

- a) Is performed safely and does not endanger other drivers or any officials.
- b) Does not call into question the legality of his car.
- c) Does not delay the podium ceremony.

Any classified car which cannot reach the parc fermé under its own power will be placed under the exclusive control of the marshals who will take the car to the parc fermé.

## **60) POST SPRINT AND POST RACE PARC FERMÉ**

**60.1** Only those officials charged with supervision may enter the parc fermé. No intervention of any kind is allowed there unless authorised by such officials.

**60.2** When the parc fermé is in use, parc fermé regulations will apply in the area between the Line and the parc fermé entrance.

**60.3** The parc fermé shall be secured such that no unauthorised persons can gain access to it.

60.4 Each Driver must remain fully attired until after they have been weighed (e.g.: Helmet, Gloves, etc.)

60.5 Drivers must not interfere with parc fermé protocols in any way.

## **61) SPRINT SESSION CLASSIFICATION**

61.1 The car placed first will be the one having covered the scheduled distance in the shortest time, or, where appropriate, passed the Line in the lead at the end of the one (1) hour (or more under Article 5.3). All cars will be classified taking into account the number of complete laps they have covered, and for those which have completed the same number of laps, the order in which they crossed the Line.

61.2 Cars having covered less than 90% of the number of laps covered by the winner (rounded down to the nearest whole number of laps), will not be classified.

61.3 The classification will be published after the sprint session. It will be the only valid result subject to any amendments which may be made under the Code and these Sporting Regulations.

## **62) RACE CLASSIFICATION**

62.1 The car placed first will be the one having covered the scheduled distance in the shortest time, or, where appropriate, passed the Line in the lead at the end of two (2) hours (or more under Article 5.4). All cars will be classified taking into account the number of complete laps they have covered, and for those which have completed the same number of laps, the order in which they crossed the Line.

62.2 Cars having covered less than 90% of the number of laps covered by the winner (rounded down to the nearest whole number of laps), will not be classified.

62.3 The official classification will be published after the race. It will be the only valid result subject to any amendments which may be made under the Code and these Sporting Regulations.

## **63) PODIUM CEREMONY AND POST RACE PRESS CONFERENCE**

63.1 The drivers finishing the race in 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> positions and a representative of the winning constructor must attend the prize-giving ceremony on the podium and abide by the podium procedure set out in Appendix 5 (except Monaco); and immediately thereafter make themselves available for a period of one and a half (1.5) hours for the purpose of television interviews and the press conference in the media centre.

63.2 For the duration of the Podium Ceremony and post-race interview procedure, the drivers finishing the race in 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> positions must remain attired only in their Driving Suits, 'done up' to the neck, not opened to the waist.

63.3 For the duration of the TV pen interviews and FIA Post Race Press Conference, all Drivers must remain attired in their respective teams' uniform only.

## APPENDIX 1

### INFORMATION REQUIRED BY THE FIA 90 DAYS BEFORE A COMPETITION

#### PART A.

1. NAME AND ADDRESS OF THE NATIONAL SPORTING AUTHORITY (ASN).
2. NAME AND ADDRESS OF THE ORGANISER.
3. DATE AND PLACE OF THE COMPETITION.
4. START TIME OF THE RACE (AS AGREED WITH THE PERMANENT BUREAU OF THE FIA F1 COMMISSION).
5. ADDRESS AND TELEPHONE, FAX AND TELEX NUMBERS TO WHICH ENQUIRIES CAN BE ADDRESSED.
6. DETAILS OF THE CIRCUIT, WHICH MUST INCLUDE:
  - LOCATION AND HOW TO GAIN ACCESS.
  - LENGTH OF ONE LAP.
  - NUMBER OF LAPS FOR RACE.
  - DIRECTION (CLOCKWISE OR ANTI-CLOCKWISE).
  - LOCATION OF END OF THE PIT LANE IN RELATION TO LINE.
7. PRECISE LOCATION AT THE CIRCUIT OF:
  - STEWARDS' OFFICE.
  - RACE DIRECTOR'S OFFICE.
  - FIA OFFICE.
  - PARC FERMÉ.
  - DRIVERS' AND COMPETITORS' BRIEFING.
  - WINNER'S PRESS CONFERENCE.
8. LIST OF ANY TROPHIES AND SPECIAL AWARDS.
9. THE NAMES OF THE FOLLOWING OFFICIALS OF THE COMPETITION APPOINTED BY THE ASN:
  - STEWARDS.
  - CLERK OF THE COURSE.
  - SECRETARY OF THE COMPETITION.
  - CHIEF NATIONAL SCRUTINEER.
  - CHIEF NATIONAL MEDICAL OFFICER.

## **PART B.**

1. FIA STEWARDS.
2. RACE DIRECTOR.
3. SAFETY DELEGATE.
4. PERMANENT STARTER.
5. MEDICAL DELEGATE.
6. TECHNICAL DELEGATE.
7. MEDIA DELEGATE.
8. STEWARD'S ADVISER.  
AND, IF APPROPRIATE.
9. A REPRESENTATIVE OF THE PRESIDENT OF THE FIA.
10. A DEPUTY RACE DIRECTOR
11. A DEPUTY MEDICAL DELEGATE
12. AN OBSERVER.
13. A SAFETY CAR DRIVER.
14. A MEDICAL CAR DRIVER.



APPENDIX 2

FEDERATION INTERNATIONALE DE L'AUTOMOBILE
2022 ENTRY FORM FOR THE FIA FORMULA ONE WORLD CHAMPIONSHIP

Entry for the 2022 FIA Formula One World Championship

THE APPLICANT

Full company name
Country of incorporation
Registration number
Date of incorporation
Country of residence
Registered office

Trading Address

Tel
Fax
E-mail
Directors

Team Principal

Team Manager

Authorised Representatives with sole power to bind the company

Title
Title
Title

**CONSTRUCTOR'S DETAILS OF ENTRY**

National Competitor Licence .....  
Issued By .....  
Number .....  
Team Name .....

(Which must include the name of the chassis)

We hereby apply to enter the ..... FIA Formula One World Championship and we undertake to participate in each and every **Competition**:

- i) With the make of the car referred to below which we nominate for the purpose of Article 8.2 c) & d) of the Sporting Regulations

Name of the Chassis .....  
Make of the Engine .....

- ii) With the drivers referred to below which we nominate for the purpose of Articles 8.2e) & 26.1 of the Sporting Regulations

Driver of the first car [or\*] .....  
Licence Number ..... Issued By .....

Driver of the second car [or\*] .....  
Licence Number ..... Issued By .....

(tick only if applicable)

[ ]\* We wish to nominate the name of the driver of the first car subsequent to this application. For this purpose we expressly agree to be bound by the provisions of Article 8.2(e) of the Sporting Regulations.

[ ]\* We wish to nominate the name of the driver of the second car subsequent to this application. For this purpose we expressly agree to be bound by the provisions of Article 8.2(e) of the Sporting Regulations.

We confirm that we have read and understand the provisions of the International Sporting Code, the Formula One Technical Regulations, the Formula One Sporting Regulations **and the Formula One Financial Regulations**. We agree to be bound by them (as supplemented or amended) and further we agree on our own behalf and on behalf of everyone associated with our participation in the FIA Formula One World Championship to observe them.

We declare that we have examined this Entry Form and that the information given is true, correct and complete and we undertake to pay the entry fee, calculated in accordance with Appendix 7 **of the Sporting Regulations**, to the FIA no later than 10 December of the year prior to the year to which this application relates. We understand and agree that any changes must be notified to the FIA in writing within 7 days of such change to allow reappraisal of the entry.

SIGNED BY (SIGNATURE)  
(PRINT NAME OF THE PERSON SIGNING)  
Being a person duly authorised to sign for and on behalf of  
(PRINT FULL NAME OF APPLICANT)

Date

**We confirm that we have read the Data Protection Notice at the end of this document and made this available to the individuals referred to in this document**

**TO BE COMPLETED BY THE FIA**

Super Licence Number Driver n°1

Super licence Number Driver n°2

Date of Acceptance

\*\*\*\*\*

**DATA PROTECTION NOTICE**

The security of your personal data is extremely important to the Fédération Internationale de l'Automobile of 8, place de la Concorde, 75008, Paris, France ("**FIA**", "**us**", "**we**", "**our**"). You may be aware of the General Data Protection Regulation ((EU) 2016/679) ("**GDPR**"), which now requires us to set out the following details regarding how we collect and use your personal data.

As part of your team's entry into the FIA Formula One World Championship (the "**Championship**"), you may provide to us, and we may collect from you, certain personal data (as defined in applicable data privacy laws, including the GDPR ("**Privacy Laws**")), including, without limitation the information set out in this form (being your name, contact details and driver's licence number, as applicable) and certain other information, including biographical information, such as your images.

We are the data controller in respect of your personal data and will handle your data in accordance with our obligations under the Privacy Laws. We will use this information solely in connection with administering the Championship and exploiting the rights granted to us pursuant to any separate agreement entered into with your team or otherwise. We are entitled to do so on the basis of our legitimate interests, namely to enable us to operate the Championship and promote and exploit your participation in the same.

We may share your personal data with FIA Switzerland in connection with these purposes (Switzerland being recognized by the European Commission as providing adequate levels of protection for data protection). We may also be required to disclose your personal data if we are required to do so by law or

pursuant to a binding regulatory request (in such circumstances, such disclosure will at all times be solely to the extent required by law or the applicable regulatory request).

We will retain your personal data on our systems only for as long as is strictly necessary for the purposes for which such data was originally collected (as referred to above), and thereafter for such longer period as may be required by law.

### **Your rights**

In certain situations, you are entitled to: (i) request access to your personal data; (ii) request that we correct your personal data; (iii) request that we erase your personal data; (iv) object to processing of your personal data where we are relying on a legitimate interest; (v) request the restriction of processing of your personal data; (vi) request the transfer of your personal data to a third party; or (vii) where you have provided your consent to certain of our processing activities, you may withdraw your consent at any time (but please note that we may continue to process such personal data if we have legitimate legal grounds for doing so).

To exercise these rights please contact: [dpo@fia.com](mailto:dpo@fia.com)

Please note that you also have a right to complain to the French or Swiss Data Protection Supervisory Authority (respectively, CNIL or FDPIC) if you are concerned about the way we are handling your personal data.



## **APPENDIX 3**

### **REGULATIONS OF THE DRIVER CONTRACT RECOGNITION BOARD**

("Reserved for the exclusive use of Competitors entered in the FIA Formula One World Championship")

## APPENDIX 4

### ENTRY FEES FOR THE 2022 FIA FORMULA ONE WORLD CHAMPIONSHIP

- i) The winner of the 2021 World Championship for Constructors will be required to pay a basic fee of US\$577,278 <sup>1</sup> plus US\$6,926<sup>1</sup> for each point gained in the 2021 World Championship for Constructors.
- ii) Every other Competitor will be required to pay a basic fee of US\$577,278<sup>1</sup> plus US\$5,770<sup>1</sup> for each point that the Competitor gained in the 2021 World Championship for Constructors.

In both cases the basic fee is due at the time of the application and the remainder by 10 December of the year prior to the year to which this application relates.

<sup>1</sup> Indexed by US CPI (1.4%)

## APPENDIX 5

### PODIUM CEREMONY

At each Closed Event as defined in Article 21.6 of the Sporting Regulations, the procedure for the Podium Ceremony will be detailed in **Competition** Notes issued by the Race Director.

At each Open Event as defined in Article 21.6 of the Sporting Regulations, the procedure for the Podium Ceremony is detailed below.

#### 1. MASTER OF CEREMONIES

A master of ceremonies will be appointed by the FIA to conduct and take responsibility for the entire podium ceremony.

#### 2. PODIUM

##### a) ROSTRUM AND DAIS

The dimensions of the dais must follow those found in the FIA graphic design manual.

The distance between the edge of the winner's dais and the retaining barrier of the podium should be a minimum of 120cm to provide a walkway.

The place where each person presenting a trophy should stand must be marked on the floor of the podium.

Trophies must be laid out on a single table on one side of the podium. The champagne must be on the dais.

##### b) FLAGS

Olympic Games style "flat flags" should be used. There must be a minimum space of 50cm behind the podium structure for the flag men.

##### c) FLOOR

The podium and steps should be covered in green or dark blue carpet.

#### 3. ANTHEMS

a) The national anthem of the winning driver and winning constructor will be played. The Nationalities of the constructors and drivers will be notified to the organiser by the FIA and will accord with Article 9.5.2 of the Code.

b) A suitable sound system should be installed to ensure that national anthems, (initiated by the master of ceremonies) are clearly heard with an audio link to the TV broadcast.

c) When the champagne shower begins, music should be played. This should not start until the presenters have left the podium.

d) A commentary of the podium ceremony should be broadcast to the general public from the platform erected for the TV cameras.

#### 4. TROPHIES

Only 4 trophies will be presented during the podium ceremony:

a) Winning driver.

b) A representative of the winning constructor.

- c) Second driver.
- d) Third driver.

The trophies, which must be in the form of traditional cups, will be provided by the ASN and must show:

- e) The FIA Formula 1 World Championship official logo.
- f) The official name of the **Competition**.
- g) The driver's position.

The height of the trophies shall be:

- h) Winner's and constructor's trophies - no less than 50cm and no more than 65cm high.
- i) Second and third drivers' trophies - no less than 35cm and no more than 45cm high.

The maximum weight per trophy must not exceed 5kg. Trophies must be of a design that is capable of being handled and transported without damage.

## **5. SCENARIO**

- a) Only three persons should be on the podium to present the trophies. In exceptional circumstances, the master of ceremonies may increase this to four.
- b) No police, bodyguards or persons not authorised by the master of ceremonies are allowed on the podium.
- c) The master of ceremonies will inform the TV and public address commentator of the names of the persons presenting the trophies.
- d) The master of ceremonies must be on the side of the podium where the trophies are located. The persons presenting the trophies will be on the other side. The master of ceremonies will hand the trophies to those presenting them.

## **6. TELEVISION**

The ideal position for the TV camera is immediately opposite the podium and at the same height. Under no circumstances must there be a TV camera man on the podium.

## **7. PARC FERMÉ**

The parc fermé must be positioned as close as possible to the podium, preferably immediately below, with direct access.

As soon as all the cars have crossed the Line, a course car must go round the track to collect any driver who has finished in the first three but is stranded on the circuit.

The drivers must not be delayed in the parc fermé. One person, nominated by the master of ceremonies and in radio contact with him, will be responsible for moving the drivers from the parc fermé to the podium without delay. Only persons authorised by the master of ceremonies may make contact with the drivers before the end of the TV unilateral interviews.

## **8. UNILATERAL ROOM**

The unilateral room must be adjacent to the podium. The master of ceremonies will see that the drivers proceed there immediately after the podium ceremony. The room should be suitably ventilated (or air conditioned if the temperature is above 25°C).

**9. PRESS ROOM**

Immediately after the TV interviews, drivers must go to the press room for interviews.

**10. WATER + TOWELS**

3 bottles of water must be put in the parc fermé (no identification).

3 bottles of water must be put in the unilateral room (no identification).

3 towels must be available in the unilateral room.

No other drinks are permitted in the parc fermé or unilateral room.

**11. PODIUM PROTOCOL (except for Monaco)**

The winning driver's award will be presented by the head of state or the prime minister of the host country or the FIA President. If such a person is not available, a comparable person within the host country, or a dignitary of international status should be invited. Should neither of these be available, the President of the ASN will be invited to present the winner's trophy.

The constructor's award must be presented by the official representative of the naming rights sponsor of the **Competition**. In the absence of a naming rights sponsor, the master of ceremonies will select a suitable person.

The second and third drivers' awards must be presented by the President of the ASN, unless local circumstances require an additional dignitary to be present. In this case, the latter will present the second award and the ASN president the third. Should the ASN president be unavailable or presenting the winning driver's trophy, the master of ceremonies will select a suitable replacement.

An invitation will be issued to each person attending the podium ceremony, with clear instructions as to the procedure to follow.

## APPENDIX 6

### SUPPLY OF POWER UNITS FOR THE 2021-2025 CHAMPIONSHIP SEASONS

Preamble: The FIA and the Commercial Rights Holder remain entitled to decide jointly that this Appendix being withdrawn at any time if the number of Power Unit Manufacturers supplying power units in a Championship season is less than 3 (three).

- a. Any Power Unit Manufacturer wishing to supply power units to a Competitor must fulfil the obligations set out in section 1.1 of Appendix 4 of the Technical Regulations.
- b. No power unit may be used in a given Championship season unless the Power Unit Manufacturer supplying such power unit accepts and adheres to the following conditions.

Each of the Power Unit Manufacturers of an homologated power unit must:

1. provide the FIA, before 15 May (or such other date as agreed in writing between all the Power Unit Manufacturers and the FIA) of the season preceding that in which such power units are to be supplied, with the list of teams (clearly identifying the appointed “works/factory” team, if any) to which a supply agreement has been concluded for the given Championship season;
2. if called upon to do so by the FIA before 1 June (or such other date as agreed in writing between all the Power Unit Manufacturers and the FIA) of the season preceding that in which such power units were to be supplied, supply at least a number of teams (“T”) equal to the following equation:

$$T = (11^1 - A) / (B - C)$$

- **A** = Total number of teams (including “works/factory” teams) having a supply agreement concluded for the given Championship season with a New Power Unit Manufacturer.
- **B** = Total number of manufacturers of homologated Power Units for the given Championship season.
- **C** = Total number of New Power Unit Manufacturers for the given Championship season.

provided that if the result contains a fraction then the fraction shall count as a full team (e.g. 11 teams divided by 4 manufacturers = 2.75, each manufacturer must, if called upon to do so by the FIA, supply at least 3 teams).

<sup>1</sup> This figure will be reviewed each year as the “total number of entered teams” will not be known until November preceding the Championship season. The figure of 11 covers supply of 12 teams or less in compliance with the calculation rule.

In doing so, the FIA will first allocate the power unit supply between the Power Unit Manufacturers that are supplying the fewest number of teams, provided that the teams without a supply agreement shall be allocated to the Power Unit Manufacturer(s) that supplies (supply) the lowest number of teams and so on. If there is more than one Power Unit Manufacturer supplying the fewest number of teams (i.e. in the same position) and/or more than one team requesting a supply the allocation between such Power Unit Manufacturers shall occur by ballot (which ballot shall be transparent and undertaken by the FIA in the

presence of a representative of each of the Power Unit Manufacturer(s) and the new Customer Team concerned).

Any such allocation made by the FIA will have to be formalised by a supply agreement with the concerned team by 1 August at the latest (or such other date as agreed in writing between all the Power Unit Manufacturers and the FIA).

A New Power Unit Manufacturer will not be required to comply with this obligation of supply as set out above.

- c. The FIA shall be entitled to request a Power Unit Manufacturer to supply a team (“**New Customer Team**”) with a power unit under the terms of this Appendix except if, at the date set out in Article b) i) above:
- Such team has entered into a supply agreement with a Power Unit Manufacturer for a given Championship season before the date set out in Article b) i) above, and
  - Such team has been granted a right, under a currently binding offer with a Power Unit Manufacturer, to be supplied with a power unit for such given Championship season.

Moreover, such Power Unit Manufacturer shall only be required to supply a New Customer Team if the following cumulative conditions are met. If such conditions are not met, then the Power Unit Manufacturer may, at its sole and exclusive discretion, decline the request to supply such New Customer Team and the decline of such request shall not be deemed to be a breach of the terms set out in this Appendix (however Article c) cannot be applied or interpreted by the Power Unit Manufacturer in a way which would deprive the obligation of supply as referred to in Article b) above of any effect and/or that would prevent the FIA from making and enforcing the provisions set out in Article b) above. The Power Unit Manufacturer undertakes to exercise in good faith the conditions referred to in paragraph 1 to 11 below). The teams and the Power Unit Manufacturers remain free to negotiate the terms of the supply agreement, subject to the fall-back positions set out below which shall apply should a team and a Power Unit Manufacturer fail to reach an agreement, despite negotiating in good faith.

1. For the purpose of this paragraph, supply contract only refers to the contract related to the FIA Supply Perimeter as per the Sporting and Technical Regulations and as set out in the relevant column of the first table in Appendix 3 of the Technical Regulations.
  - 1.1. Any supply contract entered into with the New Customer Team must be on substantially the same terms as those entered into between the Power Unit Manufacturer and the other customer teams (other than its appointed “works/factory” team) to whom it already supplies a power unit at the date of the FIA request (“**Existing Customer Team**”), other than the Price as referred to in paragraph 8 below. In particular, the Power Unit Manufacturer may impose and the team cannot refuse to sign up to any terms which at least one of its other Existing Customer Teams has agreed to and the Power Unit Manufacturer may refuse and the team cannot request the inclusion of terms which are not included in the supply agreements with other Existing Customer Teams.

- 1.2. In the event that a Power Unit Manufacturer has not supplied a power unit to any other Existing Customer Team, the Power Unit Manufacturer shall have the right to decide, at its sole and exclusive discretion, the payment terms and conditions (including the price of additional goods and services not included in the supply perimeter designated 'EXC' in the relevant column of the first table in Appendix 3 of the Technical Regulations, but excluding the Price which shall be determined in compliance with the definition of Price below) applicable to the New Customer Team subject to the provisions of paragraph 8 below.
  - 1.3. In case of a dispute about the application or the interpretation of paragraph 1 hereto, the FIA will be entitled to request copies of the contracts being entered into by the Power Unit Manufacturer with any customer team, provided that such contracts are not disclosed to any new Customer Team and subject to the FIA agreeing to comply with strict customary confidentiality obligations.
2. The Power Unit Manufacturer shall determine, at its sole and exclusive discretion, the duration of the term of the power unit supply which:
  - 2.1. may not be lower than one Championship season; and
  - 2.2. shall not exceed three Championship seasons nor go beyond the end of the 2025 Championship season, unless jointly agreed by the Power Unit Manufacturer and the New Customer Team
3. The Power Unit Manufacturer shall determine, at its sole and exclusive discretion, whether the New Customer Team shall use the name of the Power Unit Manufacturer or the New Customer Team shall operate under a white label/unbranded way and, for this purpose, use a different name:
  - 3.1. The use of this different name shall always be agreed in advance by the Power Unit Manufacturer, which agreement shall not be unreasonably withheld; and
  - 3.2. In the event that the white label/unbranded supply is required without being requested by the New Customer Team, this supply will not incur additional fees for the New Customer Team except if the use of the power unit name leads to the conclusion of a commercial agreement between the New Customer Team and any third party. In that case, the Power Unit Manufacturer and the New Customer Team shall enter into good faith negotiations and shall commonly agree on the fair and reasonable part of the revenues generated by the commercial agreement which could be considered as additional fees;
  - 3.3. In the event that the white label/unbranded supply is requested by the New Customer Team and agreed by the Power Unit Manufacturer, this supply may incur additional fees for the New Customer Team, such fees being determined at the sole and exclusive discretion of the Power Unit Manufacturer in a fair and reasonable manner.
4. The New Customer Team shall provide a warranty that it has no binding contracts or option(s) in place with another power unit manufacturer for future supply of power



units. The New Customer Team shall be required to terminate any such contracts or option(s) which do exist in so far as they conflict with any part of the period of the contract being entered into with the Power Unit Manufacturer.

5. The New Customer Team shall not (unless the Power Unit Manufacturer agrees) be an Automotive Manufacturer or any of its affiliated companies which has been set up with the purpose amongst other things of participating in the Championship.
6. The New Customer Team shall not (unless the Power Unit Manufacturer agrees) have any sponsorship agreement in place with any entity, which is in competition with the Core Activities of an Automotive Manufacturer which are carried out by the Power Unit Manufacturer.
7. The New Customer Team and/or any senior executives, directors or beneficial shareholders of the New Customer Team should not at any time (i) be listed or included in the official EU and/or US published sanction lists; (ii) have been convicted of any indictable criminal offence; (iii) have been convicted by any government or government agency in connection with fraud, money laundering, racketeering or terrorism activities; and/or (iv) have been declared bankrupt; and/or (v) have committed other identified action which, in the reasonable opinion of the Power Unit Manufacturer, harms the reputation of such Power Unit Manufacturer. This clause shall also reciprocally apply to the Power Unit Manufacturer.
8. The Power Unit Supply Perimeter listed in the relevant column of the first table in Appendix 3 of the Technical Regulations and designated 'INC' shall be supplied to New Customer Teams at the Price.

The supply of additional goods or services not listed in Appendix 3 of the Technical Regulations (which shall be agreed between the Power Unit Manufacturer and the New Customer Team) shall incur additional charges, the amount of which shall be substantially the same as that applied by the Power Unit Manufacturer to its Existing Customer Team. In the event that a Power Unit Manufacturer has not supplied a power unit to any other Existing Customer Team, the Power Unit Manufacturer shall decide the price of the above-mentioned additional goods and services based on the usages and practices generally recognised and respected in the market for the supply of parts and services in the Championship.

9. The FIA shall confirm in writing to the Power Unit Manufacturer that, to the best of its knowledge, the New Customer Team, including its officers, directors and beneficial shareholders, has not been convicted of non-complying at all times with the FIA Code of Good Standing.
10. Payment of the fees (directly or indirectly through a payment guarantee) under the supply contract for each season shall as a fall-back position (unless otherwise agreed between the Power Unit Manufacturer and the New Customer Team) and, notwithstanding the terms of any contract with an Existing Customer Team or its own factory team, be made in four instalments:
  - 25% on the date of signature of the supply contract;
  - 25% on or before 30 October of the calendar year prior to the year of supply;
  - 30% before the start of the Championship season; and

- The remaining 20% before the fifth Formula One **Competition** of the Championship.
- 10.1. In case of any delayed payment for an amount greater than €100,000, the Power Unit Manufacturer shall send the New Customer Team a written notice of the breach, with a copy to the FIA and the Commercial Rights Holder. Should the New Customer Team fail to resolve this breach to the satisfaction of the Power Unit Manufacturer (with or without the involvement of the FIA and the Commercial Rights Holder) within thirty days from the issuing of this notice the Power Unit Manufacturer shall be entitled to either terminate the supply contract immediately by serving written notice on the New Customer Team, with a copy to the FIA and the Commercial Rights Holder, or, suspend delivery of the power units to the New Customer Team.
- 10.2. In case of breach of the obligation to deliver the power units and/or to supply additional goods or services to the New Customer Team pursuant to the supply agreement, such New Customer Team may send the Power Unit Manufacturer a written notice of the breach (but only in the event that the New Customer Team is not itself in breach of contract including for non-payment except if that non-payment is justified by an alleged breach of the supply contract by the Power Unit Manufacturer), with a copy to the FIA and the Commercial Rights Holder. Should the Power Unit Manufacturer fail to resolve this breach to the satisfaction of the New Customer Team (with or without the involvement of the FIA and the Commercial Rights Holder) within thirty days from the issuing of this notice the New Customer Team shall be entitled to suspend payment of the fees to the Power Unit Manufacturer.
- 11. The New Customer Team and the Power Unit Manufacturer shall not, and will procure its affiliates and/or their respective senior executives, employees, directors and shareholders shall not take any action and/or make any omission, deceptive, misleading or disparaging or negative comments, which directly injures, damages or brings into disrepute the public reputation, goodwill or favourable name or image of the other party to the supply agreement.
- d. Notwithstanding the provisions of Article 8.3 of the Sporting Regulations, unless agreed otherwise by the FIA, each of the manufacturers of an homologated power unit may not directly or indirectly supply power units for more than (T+1) teams, with T as defined in Article b). Such consent shall not be given if one or more of the other Power Unit Manufacturers are supplying less than T teams.
- e. Ceasing the supply of the power units.

Any manufacturer of a homologated power unit wishing to cease the supply of power units must notify the FIA of its intention to do so no later than 1 January of the year preceding that in which such power units will no longer be supplied.
- f. In case of any alleged material breach or alleged material failure to comply with any of the obligations of the present Appendix, the FIA shall engage good faith and active discussions with the Power Unit Manufacturer and, in the absence of amicable solution within one month, be entitled to engage proceedings before the FIA International Tribunal against the Power Unit Manufacturer. In the case that, in accordance of the

provisions of the Code and of the Judicial and Disciplinary Rules, the International Tribunal rules that the Power Unit Manufacturer has materially breached or materially failed to comply with Articles b) and/or d), the International Tribunal may impose on the Power Unit Manufacturer concerned, to the exclusion of any other sanction it may have the power to impose, a fine (the amount of which shall be no more than fifteen million euros and shall be determined, on a case by case basis, depending on the merits and circumstances of the applicable case).

## DEFINITIONS

**New Power Unit Manufacturer:** During its first two Championship seasons (or part thereof), whether consecutive or not, within the 2014-2025 period, a power unit manufacturer will be considered as a New Power Unit Manufacturer within the meaning of this Appendix.

**Automotive Manufacturer:** Manufacturer of at least one model of automobile (as defined in the Code) produced at least 3'000 units during the past 12 months.

**Core Activities of an Automotive Manufacturer:** Design, production and sale of automobiles (as defined in the Code) by an Automotive Manufacturer.

### Price:

Fifteen million euros (unless agreed otherwise between the Power Unit Manufacturer and the New Customer Team).

Notwithstanding the above, the Price shall not be applicable to any customer team who is at any time in breach of its payment obligations to the Power Unit Manufacturer under any supply agreement.

The Price will be reviewed by the Power Unit Manufacturers and the FIA in good faith and amended accordingly should the F1 governing bodies decide any change to the Power Unit Technical and Sporting Regulations<sup>1</sup> that would materially affect the financial conditions concerning the supply of power units (except if the change is supported by at least 75% of the Power Unit Manufacturers which, at the date of the consultation, are supplying power units in the corresponding Championship season and have not officially announced their intention to stop supplying power units to teams in any subsequent Championship season).

The "Power Unit Technical and Sporting Regulations" (based on the 2022 Technical and Sporting Regulations) comprise:

- Technical Regulations: Articles 2.7, 2.8, 5, 16 and Appendices 3 to 4.
- Sporting Regulations: Articles 25 and 28, Appendices 6 and 8

## APPENDIX 7

### AERODYNAMIC TESTING RESTRICTIONS (ATR)

The ATR, and the definitions and rules which will apply to aerodynamic testing, are as follows:

#### 1 General conditions

- a. Restricted Aerodynamic testing is the testing by a Competitor or any Associate of a Competitor and/or by any contracted party of a Competitor or of any Associate of a Competitor or any external entity working on behalf of a Competitor or for its own purposes and subsequently providing the results of its work to a Competitor in a test environment or numerical simulation of a representation of an F1 car or sub-component in order to measure, observe or infer any forces, displacements, pressures or air flow direction resulting directly or indirectly from the incident air flow.
- b. A three-dimensional representation of an F1 car or sub-component subject to Restricted Aerodynamic testing, defined either physically or digitally, will be considered for the purposes of this Article as a Restricted Aerodynamic Test Geometry (RATG) and save for where specifically permitted by this Article may not be added to, removed from, morphed or modified. In order to prevent Restricted Aerodynamic testing methodologies intended to subvert any limits on the number or nature of RATGs permitted under the ATR the following will apply:
  - i. The purpose of a RATG is to allow aerodynamic assessment of a single new geometry, with aerodynamic dependency maintained throughout the simulated flow field. Any attempt to derive aerodynamically independent results for subcomponents of a RATG, either in the initial simulation or test, or by subsequent modification to the simulation or test conditions, is not permitted. Any attempt to use boundary conditions or similar to infer the effect of combining RATGs, without accruing a further RATG, is also not permitted. The use of boundary conditions cannot be exploited to simulate the effect on the fluid of a geometry which is different from the RATG in use.
  - ii. If the representation contains external bodywork surfaces on both sides of the centre plane of the car these must be symmetrical about this plane with the exception of the wheel bodywork defined by Article 3.13 of the Technical Regulations. Minimal exceptions for parts directly associated with the cooling of the power unit, or changes of car attitude allowed under section 3d (roll and steer) will be permitted.
  - iii. Excluding permitted degrees of freedom for RWTT and changes in RCFDs, the substitution or replacement of any part of a RATG with a non-F1 car geometry, or the placement of any physical or computational boundary condition or solver setting, that simulates or attempts to simulate a modification to this RATG will be considered as a new RATG.
  - iv. Sections (or sub-models) of a RATG which is used for RCFDs may be created by removing geometry from the parent RATG and placing boundary

conditions of velocity or pressure profiles generated entirely from the same RATG to replicate the flow field resulting from the geometry that has been removed. This will not be considered as a new RATG provided any geometry within the section is identical to the parent RATG. Exceptionally where downstream portions of the RATG are removed these may be replaced with a single geometry approved for this purpose by the FIA.

- v. Sections (or sub-models) of a RATG used for RCFDs and created by removing geometry from a parent RATG may not be subsequently geometrically modified without being considered as a new RATG. Any boundary conditions of velocity or pressure profiles added in the process of creating the section (or sub-model) and used to replicate the flow field resulting from the geometry that has been removed may not be changed to boundary condition or profiles other than those generated from the parent RATG without being considered a new RATG.
  - vi. If the representation contains surfaces that represent components of more than one F1 car then it shall be construed as the equivalent number of RATGs. Excluding permitted degrees of freedom for RWTT and changes in RCFDs, any subsequent modification of the relative position of the representations of F1 cars will be considered as new RATGs equivalent to the number of F1 car representations.
  - vii. A baseline RATG is defined as a reference chosen from time to time that serves for comparison purposes.
- c. An Aerodynamic Testing Period (ATP) is a period of consecutive calendar weeks for the purposes of evaluation of the limits within this Article. As soon as one ATP ends a new one begins, with no gaps between them.

There will be 6 ATPs in any year. The dates of these periods will be as follows:

- i. Period 1 will start on 1 January and finish at the end of week 9.
- ii. Periods 2, 3 and 5 will run for exactly 8 weeks each.
- iii. Period 4 will run for 10 weeks, comprising the Summer Factory Shutdown described in Article 24.1.
- iv. Period 6 will end on the 31 December.

For the above definition, weeks are assumed to start on a Monday and week 1 is the first week of four days or more in the calendar year.

In exceptional circumstances the FIA may revise these ATP at its absolute discretion in accordance with changes or events likely to affect these restrictions.

- d. In the context of this Article the words bodywork and sprung suspension will have the same definition as those provided by Article 3 and Article 10 of the Technical Regulations.

Any data acquired during Restricted Aerodynamic testing may only be available to the Competitor that acquired it through use of the restricted aerodynamic testing available to it in accordance with the limits in this Article.

## 2 Restricted Wind Tunnel Testing (RWTT)

RWTT may only be carried out in wind tunnels which have been nominated by the Competitor to the FIA. Each Competitor may nominate only one wind tunnel for use in any one twelve month period and declare it in writing to the FIA. For a new entrant, the nomination must be made no later than 7 days after the date on which it officially becomes a Competitor. No re-nominations may be made for at least 12 months. Nominations should include the facility location, unique identification of the wind tunnel and the scale of model and RATG to be used. The FIA will consider, at its absolute discretion, earlier or temporary nominations if a wind tunnel already nominated by a Competitor suffers a long term failure or for the purpose of evaluating alternative wind tunnels. If a different facility is to be used or if the existing facility is changed or upgraded, other than for routine maintenance or replacement, then a new declaration must be submitted to the FIA within one month of the change or at the time of submission of a testing period report whichever is earlier.

For the avoidance of doubt, any RWTT carried out on behalf of or for the benefit of the Competitor by an Associate, a contracted party of the Competitor or of any Associate of the Competitor or any external entity working on behalf of the Competitor or for its own purposes and subsequently providing the results of its work to a Competitor must take place in the wind tunnel nominated by the Competitor.

- a. The limits for RWTT will be the number of runs of RWTT, the amount of wind tunnel occupancy time and wind tunnel wind-on time.
  - i. During RWTT a single run will be deemed to commence each time the wind tunnel air speed rises above 5m/s and will end the first time thereafter it falls below 5m/s.
  - ii. During RWTT, once the wind tunnel air speed rises above 5m/s the RATG must remain fixed and unmodified until the wind tunnel air speed returns below 1m/s.
  - iii. Between runs of RWTT detail changes to the RATG and model are permitted.
- b. Wind on time is defined as the amount of time in hours summed over the ATP, where the wind tunnel air speed exceeds 15m/s for RWTT.
- c. During RWTT, the first shift of occupancy will be deemed to commence the first time the wind tunnel air speed is above 5m/s on a given calendar day, and will end at a time, declared by the Competitor, when the wind tunnel air speed falls below 5m/s on the same calendar day. A second shift of occupancy will be deemed to commence the first time the wind tunnel air speed is above 5m/s following the end of the first shift of occupancy (on the same calendar day) and will end, either when the wind tunnel air speed falls below 5m/s for the last time on the same calendar day or, at the end of the calendar day in the event a run is still in progress. Only two shifts of occupancy may be carried out in any one calendar day.

- d. In the event of a demonstrated wind tunnel failure or other Force Majeure the FIA will consider, at its absolute discretion, permitting additional occupancy to be used to compensate for that which is lost as a result.
- e. For the avoidance of doubt any RWTT performed for the Competitor by any Associate of the Competitor and/or by any contracted party of the Competitor or of any Associate of the Competitor or any external entity working on behalf of the Competitor or for its own purposes and subsequently providing the results of its work to the Competitor during an ATP will be subject to these same limits as if the tests were performed by the Competitor.

### **3 RWTT Permitted technology**

The following restrictions apply during RWTT:

- a. Only wind tunnels that use air at atmospheric pressure as the test fluid are permitted. Other than rotations of the RATG and model or ground plane about the yaw axis, designs which attempt to create curved flow conditions relative to the RATG are not permitted. For closed section wind tunnels adaption of vertical walls and the ceiling to improve air flow uniformity is permitted.
- b. No RWTT may be carried out using a scale model and RATG which is greater than 60% of full size neither may it be carried out at a wind tunnel air speed exceeding 50m/s measured relative to the scale model and RATG. Furthermore, during restricted wind tunnel testing the magnitude of the rate of change of the wind tunnel air speed measured relative to the scale model and RATG must be less than 4.5m/s<sup>2</sup>. The rate of change of the wind tunnel air speed will be defined as the derivative of wind tunnel air speed and smoothed using a moving average filter, centred on each sample, of period 0.5 seconds during each wind tunnel air speed ramp up and ramp down phase. These phases are defined as the periods when the wind tunnel air speed is varying between 15m/s and 95% of the maximum wind tunnel air speed during a run.
- c. Only one model and RATG may be used per run. A maximum of two models may be used and a single model change made per Competitor per 24 hour period. For the avoidance of doubt, a model in this context is defined by its underlying spine, motors and sensors.
- d. The only permitted degrees of freedom of the model and RATG during a run of RWTT are:
  - i. Wheel rotation about the wheel axis
  - ii. Changes of ride height and roll angle relative to the ground plane and associated articulation of the elements representing the RATG suspension
  - iii. Changes of load applied to wheels through the elements representing the RATG suspension
  - iv. Steering of the front wheels
  - v. Changes of yaw angle relative to the incident air flow and/or ground plane
  - vi. Simulation of differing exhaust flow
  - vii. Adjustment of the flap angle of the front wing

- viii. Adjustment of the incidence of the rearmost and uppermost element of the top rear wing
- ix. Adjustment or operation of sensors
- e. Changes of attitude of the model and RATG may not occur at a rate that requires changes of ride height at the front or rear axle centreline greater than the scale equivalent of 0.033 m/s on the full size F1 car and/or rotation about the yaw or roll axes at a rate greater than 1.0 deg./s.
- f. Where non-rigid wind tunnel tyres are used for RWTT these may only be produced by the appointed tyre supplier. Furthermore, devices that actively modify the shape of the tyre during RWTT other than as a result of vertical and lateral loads reacted at the contact patch are not permitted. Tyre pressure control is permitted but the complete wheel must contain only a single fixed internal gas volume.

#### **4 Restricted CFD (RCFD) simulations**

RCFDs are Computational Fluid Dynamics (CFD) simulations by a Competitor or any Associate of a Competitor and/or by any contracted party of a Competitor or of any Associate of a Competitor or any external entity working on behalf of a Competitor or for its own purposes and subsequently providing the results of its work to a Competitor of flows that are gaseous in the case of a F1 car and are not classified as power unit simulations. Any simulation of flows contained within the power unit cooling or lubrication systems, air, air/fuel mixtures, combustion process or products of combustion from a boundary commencing at the power unit's atmospheric air intake ducts, passing through the power unit and finishing at the exit of the exhaust system will be classified as a power unit simulation.

For the avoidance of doubt, if any CFD simulation (other than the power unit simulation defined above) reveals information to a Competitor or to an Associate of the Competitor whether directly, via a contracted party or via an external entity working on behalf of a Competitor or for its own purposes and subsequently providing the results of its work to a Competitor, about flows that are gaseous on a F1 car then it is a RCFD simulation. For example, any CFD simulations conducted at scales other than 1:1 or using non-gaseous fluids are still RCFDs as they reveal information about flows that are gaseous on the full size F1 car.

- a. A RCFDs refers to the pre-processing, the solver part or parts of the simulation process, and the post processing of the results of the simulation.
  - i. Pre-processing refers to the meshing, decomposition and setup of the simulation.
  - ii. Solver refers to the program or programs that compute the solution of the equations describing the flow including any extension of the simulation or simulations involving additional numerical computation (for example but not limited, to adjoint computation).
  - iii. Post processing refers to the generation of representations of the flow solution that require numerical processing, for example but not limited to the computation of pressure coefficients, velocity, shear stress, flow streamlines or vorticity. Generation of videos or images displaying this information and



any form or application of machine learning, deep learning or artificial intelligence (AI) based on simulation results is included in this definition.

During or prior to RCFDs the only permitted changes to the RATG are its attitude (ride height, roll, yaw, steer and associated tyre shape or contact patch) and front wing flap angle or rear wing rearmost and uppermost element incidence. For avoidance of doubt, should any other changes be made to the RATG during any stage or pause in process ii. above (such as a morphing, or the addition or substitution of any boundary condition with the intent to replicate an alternative geometry) a new RATG must be counted each time a change occurs.

Changes to parts classified as LTC, TRC or OSC and contained entirely within the drum volume defined by article 3.13.2 and the scoop defined by article 3.13.3 of the Technical Regulations and outboard of  $Y_W=0$  and only for the purpose of developing cooling are permitted.

Modifications to surface and volume mesh resolution and type provided they have the purpose of resolving and solving exactly the same geometry to a tolerance of 0.5mm scaled to a 1:1 car, as well as the extent of the far field domain, changing the simulation between a wind tunnel or track environment, initialisation, boundary conditions, solver settings and methodology are allowed. None of these modifications may be exploited to circumvent the requirements of the ATR by otherwise creating the effect of a change to the RATG. For the purposes of the ATR "far field" will be considered to be greater than 1m from any part of the F1 car or sub-component scaled to a 1:1 car.

A RATG may be used in RCFDs with geometry on only one side of the car centre plane, using a symmetric boundary condition on that plane, or with geometry on both sides of the car centre plane, subject to the geometric symmetry requirements of section 1.b.ii. Changing between these two representations will not be considered a new RATG.

The addition of non-gaseous computational regions (including but not limited to coupled structural solver elements and conjugate heat transfer solid models) are not considered changes to the RATG provided that no geometric changes to the RATG itself take place during or prior to RCFDs.

The solver part or parts of all RCFDs must only be carried out using a compute resource that contains a set of homogeneous processing units and that has been nominated by the Competitor to the FIA. Each Competitor must declare to the FIA in writing the compute resources that are employed for the purpose of the solver part or parts of RCFD simulations. Floating, fixed point and integer operations from the solver part or parts of RCFD simulations must only run on and may not be offloaded from these CPU cores.

- b. The declaration of a compute resource by the Competitor to the FIA must include:
  - i. The computer or cluster identification, manufacturer, model and location and the manufacturer, name and full unique model number of the Processing Units.
  - ii. Number of processing unit cores in the compute resource.

- iii. Processor speed at which each Processing Unit is configured to run at 100% CPU load (CCF). In order to prevent deliberate underclocking this value may not be lower than the standard or base clock frequency given by the Manufacturer's specification.

Any specification of compute resource declared must be available on a non-exclusive basis to all Competitors.

- c. If the compute resource is changed or upgraded then a new declaration must be submitted to the FIA within one month of the change or at the time of submission of a testing period report whichever is earlier. Such changes might include, but are not limited to, a change of the hardware specification, addition or removal of processing units or change of location of any part of the compute resource.
- d. The amount of compute resource used for the solve part or parts of all RCFDs shall be measured in Mega Allocation Unit hours (MAUh) and will be calculated as follows.

$$\text{AUh} = (\text{NCU} * \text{NSS} * \text{CCF}) / 3600$$

Where:

AUh = The total number of Unit hours allocated to a CFD solver run. An Allocation Unit hour represents the use of a unit of resource allocation for one hour (and  $1 \times \text{MAUh} = 1,000,000 \times \text{AUh}$ ). An Allocation Unit hour is equivalent to a core hour on a physical CPU core.

CCF = Peak Processing Unit clock frequency in GigaHertz achieved during the CFD solver run. This will be the peak frequency theoretically achievable during the run based on one of the following:

- i) The standard or base clock frequency value from the Processing Unit Manufacturer's specification (if overclocking or enhanced modes are not used in the run).
- ii) The maximum "turbo", "HPC" or other enhanced mode frequency value.
- iii) The maximum overclocked frequency value.

NCU = Number of Processing Unit cores used for the solver run. The effects of multi-threading, where simultaneous threads run on the same physical core will be ignored.

NSS = Number of solver wall clock seconds elapsed during the run. Message passing time during calculation must also be included.

All information required for auditing of this calculation must be present in the output from the run including the CCF value.

- e. Non-RCFDs can be made by a Competitor provided that:
  - i. They use a unique RATG which has been simulated in CFD more than 30 months ago and are for the purpose of optimising CFD methodology; or
  - ii. They use an FIA approved CAD geometry provided to all Competitors on an equitable and transparent basis and are for the purpose of optimising CFD methodology; or

- iii. Subject to iv. and for the sole purpose of contributing toward the development of future regulations only, they use an FIA approved geometry provided for this purpose or as a basis for modification a unique RATG which has been simulated in CFD less than 30 months ago.
- iv. Non-RCFDs for future regulations are conditional on the full list and details of all such Non-RCFDs (including but not limited to geometries, attitudes, flow conditions) being approved by the FIA in advance of any work being carried out and full reports of the results being made available to all Competitors, via the FIA, with no team-specific Intellectual Property shared.
- v. They are carried out using only the nominated compute resources described above.
- vi. The unique RATG or FIA approved geometry is not changed, added to, removed from, morphed or modified. Exceptions to this are permitted for the replacement of elements of the RATG or FIA approved geometry, with boundary conditions for the purposes of developing CFD sub-modelling methodology provided it does not attempt to simulate a modification to this RATG or FIA approved geometry, or where geometry changes are explicitly permitted and pre-approved by the FIA for the development of future regulations.

For the avoidance of doubt, any Non-RCFDs carried out on behalf of or for the benefit of the Competitor by an Associate, a contracted party of the Competitor or of any Associate of the Competitor or any external entity working on behalf of the Competitor or for its own purposes and subsequently providing the results of its work to a Competitor must also be carried out using a unique RATG which has been simulated in CFD by the Competitor more than 30 months ago or an FIA approved geometry.

- f. In the case of Non-RCFDs using a unique RATG which has been simulated in CFD more than 30 months ago or Non-RCFDs using an FIA approved geometry, geometry manipulations (e.g. in CAD clean-up or meshing software) having the sole purpose of reproducing exactly the same geometry previously solved in CFD or represented in the FIA approved CAD model or list (to a tolerance of 1.5mm scaled to a 1:1 car) are allowed. This tolerance is introduced only to allow for unintentional and incidental changes in geometry detail caused by the revisions in software and process. For the avoidance of doubt, static changes to car attitude (ride height, roll, yaw, steer and associated tyre shape or contact patch) and front wing flap angle or rear wing rearmost and uppermost element incidence are permitted. Furthermore, when using an FIA approved geometry the FIA may approve additional incidence changes to bodywork (“active aerodynamics”) which will be clearly identified within the FIA approved CAD files and associated documentation.
- g. Modifications to surface and volume mesh resolution and type as well as the extent of the far field domain including changing the simulation between a wind tunnel or track environment, are allowed.
- h. The limits for RCFDs will be revised periodically, to take account of advances in CFD simulations.

## 5 Exceptions to the Aerodynamic Testing Restrictions (ATR)

- a. Any aerodynamic test conducted by an F1 car at any **Competition** or any aerodynamic test conducted by an F1 car during and at track testing as defined by Article 10 of the Sporting Regulations will not be considered as Restricted Aerodynamic testing.
- b. Wind tunnel testing solely for the development of power unit heat exchangers that reject heat to air, or the running of the power unit from a boundary commencing at the power unit air intake ducts, passing through the power unit and finishing at the exit of the exhaust system will not be considered as Restricted Aerodynamic testing, provided that there is no direct or indirect measurement of aerodynamic force during the test. In this context, pressure and flow measurements within a duct shall not be considered to be measurements of aerodynamic force.
- c. Steady state and dynamic engine dynamometer work with an F1 car or subcomponent will not be considered as Restricted Aerodynamic testing provided that:
  - i. The bodywork used in the test has no front wing assembly (as described in Article 3.9 of the Technical Regulations) or rear wing assembly (described in Article 3.10 of the Technical Regulations) present.
  - ii. No devices designed to measure directly, or indirectly aerodynamic forces or flow field characteristics are installed in the facility used.
  - iii. No sensor installed on the car or subcomponent which are capable of measuring displacements, pressures or air flow direction of the external airstream resulting directly or indirectly from the incident air flow may be logged. Logging files have to be available, if required, during the independent audit inspection.
  - iv. The gas flow exiting from the exhaust system is ducted away from the testing area before impacting on any bodywork component (other than the exhaust itself).
- d. Wind tunnel testing solely for the development of brake systems (Article 11 of the Technical Regulations), wheels and tyres (Article 10 of the Technical Regulations), and for development and calibration of pressure sensing instrumentation (such as pitot tubes, multi-directional probes and Kiel tubes), provided such tests do not concurrently test, or in any way provide incidental data or knowledge on, the performance or endurance of parts or systems classified as bodywork will not be considered as Restricted Aerodynamic testing. Parts classified as wheel bodywork may be fitted for Wind tunnel testing solely for the development of brake systems, wheels and tyres.
- e. Wind tunnel testing that uses a RATG for the sole purpose of the conditioning of wind tunnel infrastructure or the development of wind tunnel infrastructure (including all of its sub-systems such as rolling road, model motion system, force balance, wind tunnel model spine, sensors etc.) and methodology may be performed and will not count towards the accumulation of runs, wind-on time, and occupancy subject to the testing complying with either of the following restrictions:

- i. The front wing group and the rear wing group of the RATG must be removed from the wind tunnel for the duration of the testing or both must be fitted with bluff covers that have been approved for this purpose by the FIA. The front and rear wing groups will be considered to be bodywork described by Articles 3.9 and 3.10 of the Technical Regulations respectively.
- ii. A RATG is used which is more than 12 months old, or represents an FIA approved CAD geometry provided for this purpose and that no modification is made to this previously tested RATG or FIA approved geometry.

During audit Competitors may be requested to demonstrate compliance of any such testing through the production of supporting data.

For the avoidance of doubt, any wind tunnel testing to develop bodywork parts other than as referred to above even without aerodynamic force measurement is within the definition of Restricted Aerodynamic testing.

## 6 Limits, Reporting, Inspection and Audit

- a. The limits for RWTT and RCFDs are as set out in the tables below where:
  - i. P is the Competitor's final position in the Constructors' Championship of the previous year for the period 1 January to 30 June, or the position in the current Constructors' Championship at the end of the day of 30 June, for the period 1 July to 31 December.
  - ii. C is the coefficient (expressed in percentage form) by which the various parameters need to be multiplied in order to obtain the individual RWTT and RCFD limits for each Competitor. For RWTT Runs and RATGs the result of the multiplication will be rounded up to the nearest integer.

### Wind tunnel limits for

C=100%:

<b>RWTT Runs</b>	<b>#</b>	320
<b>RWTT Wind On Time</b>	<b>hours</b>	80
<b>RWTT Occupancy</b>	<b>hours</b>	400

### CFD limits for C=100%:

<b>3D new RATGs used for solve or solve part of all RCFDs</b>	<b>#</b>	2000
<b>Compute used for solve part or parts of all RCFDs</b>	<b>MAUh</b>	6

### Coefficient C as a function of Championship position, P in 2022-2025:

<b>Championship Classification</b>	<b>P</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10+ or New Team</b>
<b>Value of C</b>	<b>%</b>	70	75	80	85	90	95	100	105	110	115

- b. The change in ATR limits applicable to a Competitor after the start of the first ATP will be applied pro-rata according to the time remaining in the ATP during which the change occurs. At its absolute discretion and following a request from the Competitor the FIA may permit over or under use of available Restricted Aerodynamic testing in the ATP during which the change occurred to be amortised or absorbed over the subsequent ATP.
- c. In the event that the Championship order established at 30 June is subsequently changed following revisions to the results of a Competition or Competitions and therefore the limits applicable to certain Competitors change, the FIA will require Competitors to adjust Restricted Aerodynamic testing in order to comply with the revised limits from the start of the next ATP. At its absolute discretion the FIA may require or permit over or under use of available Restricted Aerodynamic testing in the ATP during which the change occurred to be amortised or absorbed before the end of the year.
- d. Each Competitor shall report to the FIA details of its RWTT and RCFDs for the preceding ATP within 14 days of the end of that ATP. The data must be provided in the exact format specified by the FIA, details of which may be found in the Appendix to the Technical and Sporting Regulations.
- e. Digital wind tunnel image files in colour and with sufficient unobstructed field of view of the wind tunnel working section to include the entire model must be recorded, referenced to other data collected and a copy saved including a unique time stamp to at least one second accuracy for the start of each individual run.

Should the FIA wish to access the images for inspection at any time they must be of adequate quality such that it is possible to use them to verify, for example, whether the front wing group (as described in Article 3.9 of the Technical Regulations) and rear wing group (as described in Article 3.10 of the Technical Regulations) are fitted. In the case of other runs deemed to be non-RWTT in the context of this Article, for example using a RATG greater than 12 months old, or using the approved wing covers, the images must also provide a clear visual reference to assist in verifying this aspect of the test.

- f. In order to permit RCFDs to continue across the end of an ATP an RATG that is used for solve or solve parts of RCFDs in an ATP may be used in any subsequent ATP subject to the requirements of Sections 1 and 4 above, without being counted again.
- g. The complete surface mesh subject to the solver part or parts of each RCFD and any non-RCFD that includes a representation of an F1 car must be recorded and stored for a period of at least 24 months or until an earlier deletion is agreed by the FIA. It must be referenced to all data relating to the RCFDs or non-RCFDs including but not limited to solution monitoring data and any boundary condition of velocity and pressure profiles applied to the far field or domain boundaries and clearly and uniquely identifiable. It must be possible from these data to verify any changes made to the RATG and identify each individual flow solution generated using it. It must be possible to trace RCFDs used to generate velocity or pressure profiles applied as boundary conditions in subsequent sections or sub-models of the RATG that have not been counted as new RATGs.

- h. A description correct at the start of the simulation or test of each RATG that is subject to RWTT or that is counted against the maximum permitted new RATGs for RCFDs in any ATP must be recorded with a clear description such that it is possible to easily identify the nature of the changes under evaluation. These descriptions will form part of the report required by Section 6. d) above.
- i. In order to verify the Restricted Aerodynamic testing facilities employed by the Competitors and as a means of assuring common application of the restrictions set out in this Article, the FIA will arrange for independent benchmarking inspections of both wind tunnel and CFD activities to be carried out from time to time. Recommendations arising from these inspections will be incorporated into this Article.
- j. Failure to comply with the limits of the ATR by a Competitor will result in a reduction of the limits that will apply to subsequent ATP or ATPs for that Competitor at the FIA's absolute discretion but by a minimum reduction equivalent to 10 multiples of the amount by which the relevant limit or limits were exceeded without prejudice to further appropriate action. (For example, if a Competitor carries out 325 restricted wind tunnel runs against a maximum of 320 in an ATP, that Competitor shall only be permitted to make 270 restricted wind tunnel runs during the next ATP).

## **7 Movement of personnel**

No Competitor may use movement of personnel involved in the development, design or testing of aerodynamic surfaces (whether employee, consultant, contractor, secondee or any other type of permanent or temporary personnel) with another Competitor, either directly or via an external entity, for the purpose of circumventing the requirements of this Article. In order that the FIA may be satisfied that any such movement of staff is compliant with this Article, each Competitor must inform the FIA of all relevant staff movements at the end of each ATP using the template which may be found in the Appendix to the Technical and Sporting Regulations and must demonstrate that they have implemented all reasonable measures to avoid the disclosure of information, data or designs between the Competitors involved.

## APPENDIX 8

### POWER UNIT TEST BENCH RESTRICTIONS

#### 1 Engine dyno test limitations

##### a) Definitions:

- *Engine Test Bench*: An Engine Test Bench is either a Power Unit Test Bench, a Power Train Test Bench or a Full Car Dyno.
- *Power Unit Test Bench*: A test bench facility cell where a fired engine with more than 1 cylinder representative of a Formula One engine may be tested. In addition to test bench components, it may include and is limited to the following power unit and car components:
  - Items listed in Technical Regulations Appendix 3 column 1 (art 5.1.2 Defini) listed as 'INC'.
  - The clutch and clutch actuation system.
  - Fuel, engine oil and PU related liquids other than fuel and engine oil.
  - Heat exchangers and their associated accessories. (including but not limited to housings, tubes, pipes, hoses, supports, brackets and fasteners).
  - The PU intake upstream of compressor inlet up to and including the air filter.
  - Additional items required for this test bench at the sole discretion of the FIA.
- *Power Train Test Bench*: A test bench facility cell where a fired engine and transmission can be tested together. In addition to test bench components, it may include and is limited to the following power unit and car components in addition to those included in a Power Unit Test Bench:
  - Items listed in Technical Regulations Appendix 3 column 1 (art 5.1.2 Defini) listed as 'EXC'.
  - A gearbox.
  - Driveshafts and any components associated with their operation (such as joints, grease and housings).
  - Heat exchangers for gearbox oil and accessories associated with their operation.
  - The complete car fuel system.
  - A survival cell or close representation of a survival cell.
  - Bodywork and air ducts or close representations of bodywork and air ducts associated with the air intake and exit of heat exchangers and



compressor inlet, provided that it is for the sole purpose of representing air flow into or out of heat exchangers or the PU thermal environment.

- Minimal suspension and steering systems required to solely and exclusively mount the survival cell and/or powertrain to the test bench facility.
- Braking systems that are inoperable.
- Additional items required for this test bench at the sole discretion of the FIA.
- Full Car Dyno: A test bench facility where a fired engine can be tested, where either:
  - any car components that are not listed as included in a Power Train Test Bench are fitted or,
  - more than two power take-offs / drives are utilised, or any power take-offs / drives are utilised on the front axles.
- Sole Purpose of Testing Power Units for Performance and Reliability: The testing of Power Units where car components or fluids supplied by each Competitor remain of the same fixed specification as the specification last used in the previous calendar year or may be changed in specification by each Competitor no more than once per calendar year with the express permission of the FIA and for the sole purpose of the evaluation of their effects on Power Unit performance and reliability. For a new supply arrangement with a Competitor a single specification of car components or fluids must be used for the entire calendar year.

Car components fitted to a Power Train Test Bench will no longer be classed as being provided for the sole purpose of testing power units for performance and reliability for the sum of all Power Train Test Bench operation for any type of test beyond the limit stated in Appendix 8 Item 1d) Limitations, irrespective of which Competitor's car components are fitted.

Car components in this definition are all components not listed in Technical Regulations Appendix 3 column 1 (art 5.1.2 Defin) 'INC'.

Car systems control configurations must remain unchanged other than for the sole purpose of ensuring the reliable operation of the test bench installation and with the express permission of the FIA.

- Test Bench Occupancy Hours: Time interval between first work in the bench and last work in the bench in any 24 hours calendar day. Work can be organized in shifts but only two shifts of occupancy may be carried out in any one calendar day. The first shift of occupancy will be deemed to commence the first time the engine speed is above 1000rpm on a given calendar day, or at the start of the calendar day if the engine speed is already above 1000rpm, and will end at a time, declared by the competitor, when the engine speed falls below 1000rpm on the same calendar day. A second shift of occupancy will be deemed to commence the first time the engine speed is above 1000rpm following the end of the first shift of occupancy (on the same calendar day) and will end, either when the engine speed falls below

1000rpm for the last time on the same calendar day or, at the end of the calendar day in the event a run is still in progress.

- Test Bench Operation Hours: Time with engine speed > 7500 RPM.
- Restricted Power Unit Testing: Restricted Power Unit Testing is any testing by a PU manufacturer, or any Related Party of that PU manufacturer, or any agent or sub-contractor of the PU manufacturer or any of its Related Parties, in a test environment of a complete or incomplete F1 PU, but always including the engine, in order to measure the torque produced by this assembly or any parameters related to the function of this assembly.
- Annual shutdown: Period when no occupancy hours nor operations hours may be incremented.
- Commissioning: Dyno activity whose only purpose is to test the bench. A test can be considered as commissioning if the following criteria are met:
  - o *Must be declared to FIA with a minimum of 4 weeks' notice*
  - o *Must be approved by FIA*
  - o *A 2 years or more old engine is used*

b) Facility Limitations:

- Allowed Power Unit Test Benches are:

Power Unit stationary in space, installed with horizontal crankshaft.

No more than one power take-off / drive.

No chassis force actuators.

Test cell pressure +/-10mBar of ambient. Methods to mimic reduced ambient pressure at the engine air inlet and exhaust exits are permitted.
- Allowed Power Train Test Benches are:

Power Unit stationary in space, installed with horizontal crankshaft.

No more than two power take-offs / drives.

No chassis force actuators.

Test cell pressure +/-10mBar of ambient. Methods to mimic reduced ambient pressure at the engine air inlet and exhaust exits are permitted.
- Allowed Full Car Dynos are:

Power Unit stationary in space, installed with horizontal crankshaft.

No chassis force actuators.

Test cell pressure +/-10mBar of ambient. Methods to mimic reduced ambient pressure at the engine air inlet and exhaust exits are permitted.

c) Implementation:

- Yearly limit divided into 10 weeks periods.

- The time limit for a 10 weeks period may be exceeded twice by up to 20% without being in breach if the time recorded for the complete year remains within the yearly limit.
- One single limit for all bench types (One number of test benches limit, One Occupancy hour limit, one Operation hour limit).
- Time monitoring based on declaration based on approved software measurement (Certified software application time counter, developed by the engine test bed automation supplier).
- Number of Engine test benches:
  - Before the 1<sup>st</sup> of December of the preceding year: Declaration from the PU supplier of the identities (Name, description, location) of Power Unit Test Benches, Power Train Test Benches and Full Car Dynos to be used in a calendar year. This includes any bench whatever their location, ownership or duration of use during the calendar year.
  - Should a Manufacturer suffer a demonstrated long-term failure of a bench or other Force Majeure the FIA will consider at its absolute discretion changes of declaration or temporary declaration.
  - No later than 2 weeks after the end of each 10 week period:
    - Designation by the PU supplier of the benches that were used for the period
    - No limitation of the number of changes of bench type (between PUTB, PTTB and FCD) per calendar year but all benches must be among the ones declared at the start of the year (unless subject to the exception for 1<sup>st</sup> July 2022 updated declaration).
  - In order to check on the hardware employed by the PU manufacturers and as a mean of assuring common application of the restrictions set out, the FIA will arrange for independent benchmarking inspections of dynos activities to be carried out from time to time.
  - Any of the Engine test benches declared above may also be used for testing any element of a power unit constructed in order to comply with the 2026 Technical Regulations once officially ratified or, in the absence of such regulations, with the agreed technical provisions of the 2026 Championship, as determined by the FIA.
- Test Bench occupancy and definition:
  - Sum of each individual bench occupancy hours:  
Total Occupancy hours: OCH
$$OCH = \sum_{n=1}^{n=N} NOCHn$$

With:

  - N = Number of test benches

- NOCHn = Number of occupancy hours during the period for bench number n
  - Declaration 14 days after each 10 weeks period from PU manufacturers signed by top management.
  - PU manufacturers must keep records of bench tests until 1 month after the end of the calendar year
  - Photographic and component identification records must be retained for each period of occupancy that enable the FIA to confirm the Engine Test Bench definition and the purpose of testing.
- Test Bench Operation Hours:
- Sum of each individual bench operation hours.

Total Operation hours: OPH

$$OPH = \sum_{n=1}^{n=N} NOPHn$$

With:

- N = Number of test benches
- NOPHn = Number of operation hours during the period for bench number n
- Declaration 14 days after each 10 weeks period from PU manufacturers signed by top management
- PU manufacturers must keep records of bench tests until 1 month after the end of the calendar year

d) Limitations:

Base:

Year	2022	2023	2024	2025
Max test benches per year	9	9	9	9
Max Occupancy hours per year	6000	4000	2800	1600
Max Occupancy hours per period	1200	800	2800	1600
Max Overall Operation hours per year	750	500	350	200
Max Overall Operation hours per period	150	100	350	200
Max Operation hours per year on a Power Train Test Bench where car components can be classed as being provided for the sole purpose of PU performance and reliability	150	100	100	100

This base dyno testing limitations includes the provision for any testing for a team for a calendar year (Including but not limited to gearbox, car systems, fuel and engine oil testing).

Should a PU supplier provide PU's for use during the 2022-25 Championships to other customer Competitors who design any of their own car components as listed below or who have their own fuel or oil supplier, a single quota of 30 additional operation hours for the testing of Current generation PU will be allocated per calendar year and per additional customer Competitor for any combination of the components subject to agreement with the PU supplier and the FIA:

- Gearbox and/or gearbox case
- Exhaust system up to the turbine inlet and/or beyond turbine exit and WG exit
- Heat exchangers, their associated accessories and coolant header tanks
- Clutch and clutch actuation system between the PU and the gearbox
- Fuel system operating at less than 10 barG and its associated accessories
- Hydraulic system and hydraulic heat exchangers, other than servo valve(s) and actuator(s) for PU control

These additional operation hours will not be included in the sum of the operational hours stated in Appendix 8 Item 1a) '*Sole Purpose of Testing Power Units for Performance and Reliability*' and will be specifically and exclusively for the following:

- Approving the items listed
- and / or for the sole purpose of the evaluation of the effects of the car components defined on a Power Train Test Bench on Power Unit performance and reliability.

Should an additional customer team requests to its PU supplier and the FIA to be able to run with a fuel and/or an engine oil different to the one(s) that is(are) already homologated for use with their engine; and should the PU supplier considers that this fuel and/or engine oil is(are) ready to be used in race **Competitions**, the PU supplier may request approval of this(ese) fuel and/or engine oil. Once this(ese) fuel and/or engine oil are approved, an extra allocation of 30 operation hours for the testing of Current generation PU may be given by the FIA specifically and exclusively for endurance validation of this(ese) fuel and/or engine oil. This extra allocation can only happen a maximum of 2 times per championship season in 2022 and 1 time per championship season from 2023 onwards.

In all cases, these additional hours must be jointly declared to FIA by the PU supplier and the customer team.

Additional occupancy hours to support the additional operation hours above will be granted at a ratio of 8:1

e) Exceptions:

Commissioning activities are not counted either for occupancy or operation.

ICE motoring, i.e., any activity done on a PUTB with no ignition and not showing any positive torque for the whole recorded activity, will not be counted towards the Operation or Occupancy hours of these PUTBs.

Testing activities using any element of a power unit constructed in order to comply with the 2026 Technical Regulations once officially ratified or, in the absence of such regulations, with the agreed technical provisions of the 2026 Championship, as determined by the FIA are not counted either for occupancy or operation. Any such testing activity must not be contrived to provide benefit for any other power unit development.

## 2 ERS dyno limitations

### a) Definitions:

- ERS Test Bench: An ERS test bench is either an ES test bench, a Power Electronics test bench and/or an MGU test bench.
- ES Test Bench: Test bench facility cell where a complete ES representative of a Formula One ES may be tested. This excludes test bench falling into the Engine test bench definition.
- MGU Test Bench: Test bench facility cell where an MGU (MGU-H or MGU-K) representative of a Formula One part can be tested. This excludes test bench falling into the Engine test bench definition.
- Power Electronics Test Bench: Test bench facility cell where an ERS Control Unit, representative of a Formula One part can be tested. This excludes test bench falling into the Engine test bench definition.
- Test Bench Occupancy Hours: Time interval between first work in the bench and last work in the bench in any 24 hours calendar day. Work can be organized in shifts but only two shifts of occupancy may be carried out in any one calendar day. The first shift of occupancy will be deemed to commence the first time the current in or out of the tested system is above 10 Amp or when MGU speed is above 1000 rpm on a given calendar day, or at the start of the calendar day if these criteria are already met, and will end at a time, declared by the competitor, when these criteria are no more met on the same calendar day. A second shift of occupancy will be deemed to commence the first time the current in or out of the tested system is above 10 Amp or when MGU speed is above 1000 rpm following the end of the first shift of occupancy (on the same calendar day) and will end, either when these criteria are no more met for the last time on the same calendar day or, at the end of the calendar day in the event a run is still in progress
- Test Bench Operation Hours: Time with current in or out of the tested system above 10 Amps or time with MGU speed above 1000 rpm.
- Restricted ERS Testing: Restricted ERS Testing is any testing by a PU manufacturer, or any Related Party of that PU manufacturer, or any agent or sub-contractor of the PU manufacturer or any of its Related Parties, in a test environment of a complete or incomplete F1 ERS system, but always including at least 3 out of 5 of the main ERS components (ES, CU-H, CU-K,

MGU-K, MGU-H) in order to measure any parameters related to the function of this assembly. Testing falling into the scope of the Engine dyno limitation are outside this restriction. Any sign off test or end of line test are included.

- Annual shutdown: Period when no occupancy hours nor operations hours may be incremented.
- Commissioning: Dyno activity whose only purpose is to test the bench. A test can be considered as commissioning if the following criteria are met:
  - o *Must be declared to FIA with a minimum of 4 weeks notice*
  - o *Must be approved by FIA*
  - o *A 2 years or more old assembly is used*

b) Facility Limitations:

- Allowed ES Test Benches are:

Any bench where an ES can be installed and run.

This includes the benches where other PU elements can be tested as, for example, the engine.

ES stationary in space.

- Allowed MGU Test Benches are:

Any bench where an MGU can be installed and run.

This includes the benches where other PU elements can be tested as, for example, the engine.

MGU stationary in space, installed with horizontal shaft.

MGU-K and MGU-H can be tested simultaneously but no more than one MGU of the same type (ie: MGU-K or MGU-H) can be tested at the same time.

It is permissible to use MGU-K and MGU-H hardware that is at least two years old within the test bench solely as a dynamometers, and these may be controlled using CU's that are also at least two years old. These devices must be declared to the FIA

No chassis force actuators.

- Allowed Power Electronics Test Benches are:

Any bench where an ERS Control Unit it can be installed and run.

This includes the benches where other PU elements can be tested as, for example, the engine.

CU stationary in space

c) Implementation:

- Yearly limit divided into 10 weeks periods.

- The time limit for a 10 weeks period may be exceeded twice by up to 20% without being in breach if the time recorded for the complete year remains within the yearly limit.
- One single limit for all bench types (One number of test benches limit, One Occupancy hour limit, one Operation hour limit).
- Time monitoring based on declaration based on approved software measurement (Certified software application time counter, developed by the ERS test bed automation supplier.)
- Number of ERS Test Bench:
  - Before the 1<sup>st</sup> of December of the preceding year: Declaration from the PU supplier of the identities (Name, description, location) of ERS test benches to be used in a calendar year. This includes any bench whatever their location, ownership or duration of use during the calendar year.
  - Should a Manufacturer suffer a demonstrated long-term failure of a bench or other Force Majeure the FIA will consider at its absolute discretion changes of nomination or temporary nomination.
  - No later than 2 weeks after the end of each 10 week period:
    - Designation by the PU supplier of the benches that were used for the period
    - For Restricted Current generation ERS testing no limitation of the number of changes of bench type per calendar year but all benches must be among the ones declared at the start of the year.
  - In order to check on the hardware employed by the PU manufacturers and as a mean of assuring common application of the restrictions set out, the FIA will arrange for independent benchmarking inspections of dynos activities to be carried out from time to time.
  - Any of the ERS test benches declared above may also be used for testing any element of an ERS constructed in order to comply with the 2026 Technical Regulations once officially ratified or, in the absence of such regulations, with the agreed technical provisions of the 2026 Championship, as determined by the FIA.
- Test bench occupancy:
  - Sum of each individual bench occupancy hours:  
Total Occupancy hours: OCH
$$OCH = \sum_{n=1}^{n=N} NOCHn$$

With:

  - N = Number of test benches
  - NOCHn= Number of occupancy hours during the period for bench number n



- Declaration 14 days after each 10 weeks period from PU manufacturers signed by top management.
  - PU manufacturers must keep records of bench tests until 1 month after the end of the calendar year
- Test Bench Operation Hours:
- Sum of each individual bench operation hours.

Total Operation hours: OPH

$$OPH = \sum_{n=1}^{n=N} NOPHn$$

With:

- N = Number of test benches
  - NOPHn= Number of operation hours during the period for bench number n
- Declaration 14 days after each 10 weeks period from PU manufacturers signed by top management
  - PU manufacturers must keep records of bench tests until 1 month after the end of the calendar year

d) Limitations:

Year	2022	2023	2024	2025
Max test benches	4	4	4	4
Max Occupancy hours per year	1600	1200	800	400
Max Occupancy hours per period	320	240	800	400
Max Operation hours per year	400	300	200	100
Max Operation hours per period	80	60	200	100

e) Exceptions:

Commissioning activities are not counted either for occupancy or operation.

Testing activities using any element of an ERS constructed in order to comply with the 2026 Technical Regulations once officially ratified or, in the absence of such regulations, with the agreed technical provisions of the 2026 Championship, as determined by the FIA are not counted either for occupancy or operation. Any such testing activity must not be contrived to provide benefit for any other ERS development.

## ~~APPENDIX 9~~

### ~~APPROVED CHANGES FOR SUBSEQUENT YEARS~~

*[Note. The changes for subsequent years have now been incorporated in the 2023 Sporting Regulations.]*

## ~~APPENDIX 10~~

### ~~CHANGES RELATED TO REVISED QUALIFYING FORMAT EVALUATION DURING THE 2023 CHAMPIONSHIP~~

*[Note. The changes for the revised qualifying format have now been incorporated in the 2023 Sporting Regulations.]*