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To : all LMP3 teams, car manufacturers,  
suppliers & championship promoters  
Ref : information on new LMP3 homologation period  
Le Mans, 1<sup>st</sup> of February 2019

Dear LMP3 stakeholders,

Since 2015 and its creation, the LMP3 concept created by the ACO has met with success and developed much further than expectations, opening the way to the 24 Hours of Le Mans to competitors.

The founding principles of LMP3, which contribute to the success of the category are:  
A high-end endurance access platform, which prepares competitors to progress towards the ultimate goal, participation in the 24 Hours of Le Mans and the FIA World Endurance Championship

An accessible category, both financially and technically, with regulated costs, robustness/reliability and simplicity of operation that make the car accessible and easier to operate for a team

A high-performance car, designed to train gentlemen drivers, young drivers and technicians in high level endurance races

To date more than 170 cars have been sold, the LMP3 is a worldwide success.

LMP3 is now (or will be) eligible in an increasing number of competitions, championships, series and races :

- ELMS (Europe)
- Asian Le Mans Series (Asia)
- Michelin Le Mans Cup (Europe)
- Road to Le Mans (France)
- VdeV (Europe)
- Ultimate Cup (Europe)
- Prototype Challenge (USA)
- LMP3 British Cup (Great Britain)
- Gulf 12 Hours (Middle East)
- LMP3 Cup Australia

Several other promoters have contacted the ACO to express their interest in the category.



When LMP3 was launched in 2015, the period of homologation of the 1<sup>st</sup> generation of cars was confirmed for 5 years, and the ACO announced at that time that the second period of homologation from 2020 would take into account the experience of the first 5 years in order to provide to the competitors an optimized car complying with the expectations of the market.

**The key parameters that have been addressed are :**

- Keep the control of the costs
- Increase the safety level of the car
- Modify the performance profile of the car for a better compatibility with the GT cars
- Make the car more friendly for gentlemen drivers
- Refresh the concept / design to keep LMP3 look attractive

**One year ago, the ACO launched the selection process of 4 manufacturers for this second homologation period, who were confirmed in May 2018 :**

- Ligier Automotive
- Duqueine Engineering
- Ginetta
- Adess

**The exclusive supplier of the powertrain (Oreca) has also been confirmed for 5 more years, for the following parts :**

- Engine
- Gearbox
- Electronics (including steering wheel and gearbox control)

**After more than 6 months of work with the 4 car manufacturers and the powertrain supplier, the ACO confirms the decisions and provisions jointly adopted for the 2020-2024 certification period, the main novelties are :**

- The car will be an evolution of the current cars for each manufacturer, it is not an entirely new car.
- An evolution kit has been defined (focusing mainly on safety, performance and design), its price is fixed by the regulation
- A special effort was made on customer quality:
  - Technical support on the circuits
  - Distribution of spare parts
  - Technical passport and follow-up of all cars by the ACO technical department



## **The principal technical information is :**

Powertrain :

- Engine power 460 hp (+35 hp)
- A new Nissan VK56 engine will be introduced. The current engines will be updated to reach the same power and performance as the VK56. Competitors will be able to maintain their current engines until the end of their life cycle before acquiring a new VK56 engine thereafter.
- Introduction of a traction-control system (for gentlemen drivers)
- Evolution of the gearbox (adaptation to the increased power)
- Balancing of top speeds between different car models to align performance

Chassis :

- Evolution of the driver's headrest (safety - LMP2 regulation)
- Evolution of the driver's seat (safety - LMP2 regulation)
- Introduction of Zylon side panels (safety - LMP2 regulation)
- Bodywork evolution kit and mechanical modifications allowed, within the limit of the kit price fixed by the regulation

## **Calendar of introduction :**

- ELMS, MLCM, Road to Le Mans, Ultimate Cup, V of V: 2020
- Asian LMS: 2020 – 2021 season
- All other competition: 2021

## **Customer Support information and obligations :**

Each chassis manufacturer must provide a customer service for each ACO certified event:

- Compulsory for each manufacturer from 3 cars entered at each race
- Technical support on track with dedicated personnel
- Spare parts service on circuit to avoid expenses to store and transport parts (price of parts plus 10% on circuits)
- Customer service is charged:
  - € 500 / race in Europe and € 700 / race outside Europe by car on the ACO events (ELMS, Asian, Michelin Cup, Road to Le Mans)
  - € 700 / race in Europe and € 900 / race outside Europe by car on the other events approved by the ACO

The powertrain Customer Service follows the same rules and rates.

These services, although invoiced, allow the teams to operate the cars with reduced and even more competitive costs thanks to the technical support and the availability of parts on race tracks.



### **Pricing information (season 1) :**

- Price of the chassis kit (to be mounted on an existing car - technical passport included): €50,000 maximum
- Price of the engine kit (current engine evolution): € 4,900
- New Nissan VK56 engine price: € 28,300
- Price of a complete new car (including all the innovations of 2020):
  - Complete chassis excluding GMP, technical passport included: €170,000 maximum
  - Complete GMP: € 69,000
  - Complete car: € 239,000 maximum

### **Each competitor will therefore have 3 possibilities :**

Case 1: Evolution of the existing chassis + current engine upgrade (until the end of the engine life)

- Chassis kit + technical passport = € 50,000
- Engine upgrade = € 4,900
- Total = € 54,900

Case 2: Evolution of the existing chassis + purchase of the new engine

- Chassis kit + technical passport €50,000
- New motor: €28,300
- Various updates including gearbox: €11,000
- Total: € 79,500

Case 3: purchase of a new car

Complete chassis €170,000 maximum + complete powertrain € 69,000 = € 239,000 maximum

### **A new electronic technical passport will be issued for each car, it will include :**

- A loyalty system for ACO approved competitions:
  - 1 participation in an ACO event (ELMS, Asian, Michelin Le Mans Cup, Road to Le Mans) = 2 points
  - 1 participation in an ACO approved event (other series) = 1 point
  - When the car gathers 30 points, the legal or physical person holding the technical passport will receive €6,000
- An electronic administrative process setting up a traceability and personalized follow-up essential to guarantee the technical quality and precise valuation of each car.





**The 4 car manufacturers, the powertrain supplier and the ACO are convinced that this new package is a step forward in the history of LMP3 that will make the category even more competitive in the motorsport market due to its strengths:**

- Powertrain designed for more than 1 season (ELMS as reference) without any maintenance needed
- Spare parts prices regulated
- Customer service on the circuits to avoid immobilization of funds to store lots of parts
- Regulatory stability over 5 years
- Seamless performance between different car models

You will find with this letter the version 1 of the new LMP3 2020 technical regulation. Some of the appendixes are not completed and will be updated in the coming weeks.

All the ACO technical staff remains at disposal for any additional information.

Yours sincerely,

Vincent Beaumesnil  
ACO Sport Director



## CAHIER DES CHARGES LMP3 / LMP3 GENERAL REQUIREMENTS

PERIODE D'HOMOLOGATION 2020/2024 / 2020/2024 HOMOLOGATION PERIOD

CONSTRUCTEURS CHASSIS	CHASSIS MANUFACTURERS
<p><b>1/ Les constructeurs châssis désignés par l'ACO sont :</b></p> <ul style="list-style-type: none"><li>- ADESS</li><li>- DUQUEINE ENGINEERING</li><li>- GINETTA</li><li>- LIGIER AUTOMOTIVE</li></ul>	<p><b>The chassis manufacturers appointed by the ACO are:</b></p> <ul style="list-style-type: none"><li>- ADESS</li><li>- DUQUEINE ENGINEERING</li><li>- GINETTA</li><li>- LIGIER AUTOMOTIVE</li></ul>
<p><b>2/ Chaque constructeur châssis désigné doit assurer un support client sur chaque Compétition organisée ou labellisée par l'ACO:</b></p> <ul style="list-style-type: none"><li>- Obligatoire dès lors qu'au moins trois châssis produits par le constructeur sont engagés dans ladite Compétition.</li><li>- Lorsque la disposition ci-dessus s'applique, chaque constructeur devra proposer un service de commercialisation de pièces détachées, sur place, lors des Compétitions. Une majoration maximum de 10% des prix catalogue sera tolérée</li></ul>	<p><b>Each chassis manufacturer must provide a customer service at every Competition organised or certified by the ACO:</b></p> <ul style="list-style-type: none"><li>- Provided that at least 3 chassis produced by the manufacturer are entered in the said Competition.</li><li>- When the above provision is in effect, each manufacturer must offer an on-site spare parts sale service during Competitions. A 10% maximum mark-up on retail prices will be tolerated.</li></ul>
<p><b>3/ Le service client est facturé par les manufacturiers aux Concurrents selon les règles ci-dessous:</b></p> <ul style="list-style-type: none"><li>- Séries et Compétitions organisées par l'ACO (European Le Mans Series, Asian Le Mans Series, Michelin Le Mans Cup, Road To Le Mans) :<ul style="list-style-type: none"><li>o 500 € par voiture et par Compétition pour les Compétitions se déroulant en Europe</li><li>o 700 € par voiture et par Compétition, pour les Compétitions se déroulant course hors de l'Europe.</li></ul></li><li>- Un dispositif favorisant le support technique sur les séries approuvées par l'ACO pourra être mis en place au cas par cas en fonction des spécificités de chaque série</li></ul>	<p><b>Customer service is charged to Competitors by manufacturers as listed below:</b></p> <ul style="list-style-type: none"><li>- Series and Competitions organized by the ACO (European Le Mans Series, Asian Le Mans Series, Michelin Le Mans Cup, Road To Le Mans):<ul style="list-style-type: none"><li>o 500 € per car and per Competition, for Competitions taking place in Europe</li><li>o 700 € per car and per Competition for Competitions taking place outside of Europe</li></ul></li><li>- A system promoting technical support on ACO-approved series may be set up on a case by case basis depending on the specificities of each series</li></ul>
<p><b>4/ Le prix de la voiture complète est fixé à 239000€ pour 2020.</b></p> <ul style="list-style-type: none"><li>- Une augmentation de 1% par an sur le prix de la voiture et des pièces sera appliquée à partir de 2021.</li></ul>	<p><b>The price of the complete car is set at 239000€ for 2020.</b></p> <ul style="list-style-type: none"><li>- A yearly increase of 1% will be applied starting in 2021 on the complete car and parts.</li></ul>



FOURNISSEUR DE GROUPE MOTOPROPULSEUR (GMP)	POWERTRAIN SUPPLIER
<p><b>1/ Le fournisseur du GMP désigné par l'ACO est :</b></p> <ul style="list-style-type: none"> <li>- ORECA</li> </ul> <p><b>2/ Le fournisseur GMP doit assurer un support client sur chaque épreuve labellisée ACO :</b></p> <ul style="list-style-type: none"> <li>- Obligatoire pour chaque constructeur à partir de 3 voitures engagées sur chaque course</li> <li>- Service pièces détachées sur circuit (prix des pièces majoré de 10% sur les circuits)</li> </ul> <p><b>3/ Le service client est facturé par le fournisseur du GMP aux Concurrents selon les règles ci-dessous:</b></p> <ul style="list-style-type: none"> <li>- Séries et Compétitions organisées par l'ACO (European Le Mans Series, Asian Le Mans Series, Michelin Le Mans Cup, Road To Le Mans) : <ul style="list-style-type: none"> <li>o 500 € par voiture et par Compétition pour les Compétitions se déroulant en Europe</li> <li>o 700 € par voiture et par Compétition, pour les Compétitions se déroulant course hors de l'Europe.</li> </ul> </li> <li>- Un dispositif favorisant le support technique sur les séries approuvées par l'ACO pourra être mis en place au cas par cas en fonction des spécificités de chaque série</li> </ul> <p><b>4/ Le prix du GMP complet est fixé à 69000€ pour 2020.</b></p> <ul style="list-style-type: none"> <li>- Une augmentation de 1% par an sur le prix du GMP, pièces, et révisions sera appliquée à partir de 2021.</li> <li>- Une révision des tarifs pourra être appliquée en cas de forte variation du taux de change EUR-GBP ou EUR-YEN.</li> </ul>	<p><b>The powertrain supplier appointed by the ACO is:</b></p> <ul style="list-style-type: none"> <li>- ORECA</li> </ul> <p><b>The powertrain supplier must provide a customer service for each ACO certified event:</b></p> <ul style="list-style-type: none"> <li>- Compulsory for each manufacturer from 3 cars entered at each race.</li> <li>- Spare parts service on circuit (price of parts plus 10% on circuits)</li> </ul> <p><b>Customer service is charged to Competitors by the powertrain supplier as listed below:</b></p> <ul style="list-style-type: none"> <li>- Series and Competitions organized by the ACO (European Le Mans Series, Asian Le Mans Series, Michelin Le Mans Cup, Road To Le Mans): <ul style="list-style-type: none"> <li>o 500 € per car and per Competition, for Competitions taking place in Europe</li> <li>o 700 € per car and per Competition for Competitions taking place outside of Europe</li> </ul> </li> <li>- A system promoting technical support on ACO-approved series may be set up on a case by case basis depending on the specificities of each series</li> </ul> <p><b>The price of the complete powertrain is set at 69000€ for 2020.</b></p> <ul style="list-style-type: none"> <li>- A yearly increase of 1% will be applied starting in 2021 on the complete powertrain, parts, and servicing</li> <li>- A modification to the prices may be implemented in case of large variations in the EUR-GBP or EUR-YEN exchange rate.</li> </ul>
PASSEPORT ELECTRONIQUE	ELECTRONIC PASSPORT
<p><b>1/ Un passeport technique LMP3 sera mis en œuvre dès le 1<sup>er</sup> janvier 2020 et s'accompagnera :</b></p> <ul style="list-style-type: none"> <li>- D'un système de fidélisation aux Championnats, Séries et Compétitions organisés ou labellisés par l'ACO : <ul style="list-style-type: none"> <li>o La participation à une Compétition organisée par l'ACO* rapportera deux (2) points, comptabilisés par passeport.</li> <li>o La participation à une Compétition labellisée par l'ACO rapportera un (1) point, comptabilisé par passeport.</li> <li>o Lorsqu'un total de trente (30) points est comptabilisé sur un passeport, la personne physique ou morale qui en est titulaire recevra une somme de 6 000 €. Ce dispositif n'est applicable qu'une seule fois pour chaque passeport.</li> </ul> </li> </ul> <p><i>*European Le Mans Series, Asian Le Mans Series, Michelin Le Mans Cup, Road To Le Mans</i></p>	<p><b><u>A technical passport for LMP3 cars will be implemented, coming into effect 1 January 2020. This passport comes with:</u></b></p> <ul style="list-style-type: none"> <li>- A loyalty reward programme for Championship, Series and Competitions organised or certified by the ACO: <ul style="list-style-type: none"> <li>o Two (2) points will be credited on the passport for participation in a Competition organised by the ACO*.</li> <li>o One (1) point will be credited on the passport for participation in a Competition certified by the ACO.</li> <li>o Once a total of thirty (30) points have been credited on a given passport, the physical or moral person holding the passport will receive a 6 000 € cashback. This can only apply once for each passport.</li> </ul> </li> </ul> <p><i>*European Le Mans Series, Asian Le Mans Series, Michelin Le Mans Cup, Road To Le Mans</i></p> <ul style="list-style-type: none"> <li>- An electronic administrative process setting up a traceability and personalized follow-up essential to</li> </ul>



- D'un processus administratif électronique mettant en place une traçabilité et un suivi personnalisé essentiels pour garantir la qualité technique et une valorisation précise de chaque voiture

guarantee the technical quality and precise valuation of each car.

**2/ Toute nouvelle voiture et tout nouveau kit devra obligatoirement être accompagné d'un nouveau passeport électronique**

**Every new car and every new kit must be accompanied by a new electronic passport.**

#### ASSEMBLAGES PERMIS

#### PERMITTED ASSEMBLIES

CHASSIS	POWERTRAIN	STEERING WHEEL	ELIGIBILITY
2015	VK50	2015	- Not eligible in ELMS/MLMC/Asian/VdeV/Ultimate in 2020 - Eligible in other championships in 2020
2015 upgrade	VK50 upgrade with upgraded gearbox (* VK50 upgrade = the power curve of VK50 upgrade would be comparable to VK56)	2020	- Eligible in ELMS/MLMC/Asian/VdeV/Ultimate in 2020 - Eligible in other championships in 2021
2015 upgrade	VK56 with new bellhousing and with upgrade 4/5/6	2020	- Eligible in ELMS/MLMC/Asian/VdeV/Ultimate in 2020 - Eligible in other championships in 2021
2020	VK56 with new bellhousing and with upgrade 4/5/6	2020	- Eligible in ELMS/MLMC/Asian/VdeV/Ultimate in 2020 - Eligible in other championships in 2021

#### TARIFICATION

#### PRICING

Complete Engine (without exhaust / ECU / clutch / starter motor)	28323 €
10000km Engine Rebuild (includes workload and dyno)	15079 €
Gearbox (without actuator)	24450 €
Bellhousing (not equipped)	6116 €
Gearbox Rebuild Kit (rebuild done by team)	16230 €
Gearbox Upgrade for 2020 (4/5/6 reinforced – fit by team)	3400 €
Conversion kit for 2020 keeping VK50 engine (restrictor + calibration + gearbox ratios 4/5/6)	4900 €
Conversion kit for 2020 – new VK56 engine (VK56 engine + bellhousing + gearbox ratios 4/5/6)	39450 €
Chassis kit for 2020 including electronic passport	50000 €
Complete car for 2020 including electronic passport	239000 €

#### CALENDRIER D'INTRODUCTION (Première compétition)

#### IMPLEMENTATION CALENDAR (First competition)

	ELMS/MLMC/Ultimate/VdeV	Asian LMS	Others
VK50			2020
VK50 upgrade with upgraded gearbox	2020	Sept 2020	2021
VK56 with bellhousing & updated gearbox	2020	Sept 2020	2021
Chassis 2015			2020
Chassis 2015 upgrade	2020	Sept 2020	2021
Chassis 2020	2020	Sept 2020	2021
New steering wheel	2020	Sept 2020	2021