SHELL ECO-MARATHON AMERICAS 2020
OFFICIAL RULES
CHAPTER II
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FOREWORD

Dear Shell Eco-marathon participants, friends and enthusiasts,

Welcome to Shell Eco-marathon Americas 2020. From April 1 – 4, 2020, Shell Eco-marathon Americas comes to Sonoma, California for the third time with teams from all over the Americas region vying to push the boundaries of energy efficiency.

The roots of Shell Eco-marathon are based on the ingenuity, hard-work and dedication of students from around the world.

I would like to remind you that all activities related to your Shell Eco-marathon project must be carried out by the registered Teams and its Participants. The Organizers reserve the right to withhold technical inspection approval for Teams who show substantial knowledge gaps over the design of their vehicle and the functional principles of its component parts.

Remember that you must be prepared for the competition and arrive with your vehicles ready for technical inspection. Therefore, it is highly important to:

■ Read the Shell Eco-marathon 2020 Official Rules, Chapter I carefully. The document presents all technical and safety rules applied to both Prototype and Urban Concept classes.

■ Watch the Tech Tips on YouTube. The videos explain the technical rules in an easy-to-understand way. We have added four new videos for this season.

■ Read this document carefully. The Chapter II Rules include logistics information you need ahead of Shell Eco-marathon Americas 2020.

I look forward to seeing you from April 1 – 4, 2020 in Sonoma!

Adrian Juergens
Shell Eco-marathon Americas Technical Director
1. GENERAL

The Shell Eco-marathon 2020 Official Rules, Chapter I and the Shell Eco-marathon Americas 2020 Rules, Chapter II apply during the entire duration of the participants’ presence onsite. Shell Oil Company (the Organizer) reserves the right to modify any article of the present rules in both documents.

The event will be held from April 1 - 4, 2020 at Sonoma Raceway in Sonoma, California.

Teams can begin participant check-in and HSSE induction Tuesday, March 31 at 12:00 p.m. and will have access to the Paddock after completing both the check-in and HSSE induction.

All teams must clear their garage in the paddock no later than 10:00 p.m. on Saturday, April 4.

Teams may invite guests to come to the Shell Eco-marathon event site on public opening days, and guests will be given access to the general Shell Eco-marathon areas (not including inside individual garages, technical inspection or the pit lane) from 09:00 to 17:00, April 1 – 4, 2020.

Admission to the event is free. Guests are responsible for their own accommodation, transportation to and from the venue, as well as their food and beverage needs. All Guests will be asked to sign a Sonoma Raceway waiver upon entering Sonoma Raceway.

ARTICLE 200: PARTICIPANTS

Teams will be allowed to bring a maximum of 20 participants to the competition, including chaperone and faculty advisors. All participating team members must be:

(i) Registered in Phase 3a;

(ii) Affiliated with the competing institute, whether as a student or faculty. Legitimate chaperones, such as parents, are accepted. Children of faculty will NOT be considered team members;

(iii) Over the age of 16.

   a. 14 and 15-year-olds must be accompanied by at least one adult per two underage members, in addition to the faculty advisors or adult team manager. Appropriate supervision plans must be agreed with the Organizers at eomarathonamericas@shell.com prior to the competition.

   b. No one under the age of 16 will be allowed to stay at the campsite, with no exceptions.

Only these 20 registered team members will receive accreditation giving them access to the paddock area. The team manager, driver and reserve driver will be given an additional wristband upon registration at technical inspection.

Each team is responsible for all costs and expenses associated with participating in the event (i.e. travel to/from Sonoma, hotel accommodations, meals, vehicle costs, shipping and freight for vehicle, etc.)

The team manager is the team’s sole official liaison with the Organizer. The team manager must be a student. If all team members are underage, the faculty advisor may also be the team manager. All
information will be addressed to him/her. For the purposes of the event, he/she will be responsible for speaking on behalf of the team.

The Organizers will provide the following for the teams:

- Participant wristbands to access the paddock (proving they have attended the HSSE induction, 1 per team member);
- Wristbands for campsite access, if applicable;
- Ten paddock passes (badges and lanyards, Article 219);
- Ten participant goodie bags;
- Vehicle stickers (Article 236);
- Team manager, driver and reserve driver wristbands equipped with individual RFID codes, to be collected at technical inspection front desk.
ARTICLE 201: DRIVERS

Drivers must be licensed drivers in their state/province or country of origin as of the day of the competition (learners’ permits will not be accepted.) In all cases, drivers should be students of the registered educational institution. Driver’s licenses must be provided upon request.

Drivers must adhere to all the rules set out in Section 2A and Section 2B of the Shell Eco-marathon 2020 Global Rules, Chapter I.

ARTICLE 202: TEAM NAMES

Teams are permitted to select names that are appropriate to their research and the event. Names that are offensive or disrespectful to other participants will not be accepted, including those with religious or political connotations or names that contain profanity. The Organizer reserves the right to determine whether a team name is offensive.

ARTICLE 203: MANDATORY DOCUMENTS

At participant check-in, beginning on March 31 at 12:00 p.m., the Organizer will verify with the team manager that all required documents have been submitted online prior to the event via the registration website or e-mail. The Organizer will not authorize entry to the event if the online registration requirements have not been successfully submitted. Any missing documents must be handed in at participant check-in on-site for the team to receive credentials.

The mandatory documents are:
- The Terms & Conditions of Participation signed by each of the registered Team Members (minors must have their waivers signed by a parent or guardian and notarized.)
- The Institutional Waiver signed by an individual authorised to sign legal documents on behalf of the school (student signatures will not be accepted.)
- Copies of the Driver’s and Reserve Driver’s driver’s licenses, which must be valid (learners’ permits will not be accepted.)

ARTICLE 204: CERTIFICATES

Individual result certificates will be issued to the twenty registered participants on the condition that the vehicle passed technical inspection or achieved a valid result. These certificates will be available for download from the registration system in the week following the competition for up to a month.

ARTICLE 205: NOT USED
ARTICLE 206: DISQUALIFICATION

The Organizers shall have the right, at their discretion, to disqualify any Team that is displaying unsafe behavior or behavior that goes against the spirit of the competition (See Article 216.)
2. HEALTH, SAFETY, SECURITY AND ENVIRONMENT (HSSE)

The Organizer is determined to achieve GOAL ZERO, NO HARM, NO LEAKS. Goal Zero means carrying out this event safely so that we ensure there is no harm to people, no damages to assets, and no detriment to the environment.

To achieve this and fulfill our duty of care to our participants and visitors, the Organizer will work with all relevant agencies (including local government, national regulators and venue related stakeholders) to put plans, policies and procedures in place to manage risk and potential emergency situations that arise.

The Organizer will ensure that these procedures and policies are communicated to the teams and compliance with all the rules, including safe driving, general behavior and sporting rules, will be mandatory for everyone. All participants must comply with the safety measures and notify the Organizer about any anomalies or incidents.

The Organizer will monitor and manage the event using a Safety Team who will be identified by wearing red jackets/shirts. The purpose of the Safety Team is to promote good practices, challenge unsafe conditions and behaviors, and assist the teams any way that they can. If a participant is asked for cooperation by the Safety Team, they should treat this with seriousness and comply with all reasonable requests.

Team managers shall be responsible for enforcing the following regulations, which are drafted in the best interests of all participants and the success of the event, with the participants in their team. Any regulatory non-compliances will be subject to the penalties stated in Article 216.

**ARTICLE 207: SMOKING**

Shell draws participants’ attention to the fact that smoking is extremely harmful to health. In addition, the event type (like a car-racing competition) requires the handling and storage of dangerous components and fluids such as gasoline, diesel, hydrogen and other fuel materials.

Smoking (including the use of electronic cigarettes) is only allowed in the external designated smoking areas.

**ARTICLE 208: DRUGS AND NARCOTICS**

The Organizer forbids the use and distribution of narcotics, including marijuana or any illegal substances, for anyone attending or participating in this event.

U.S. Federal law forbids the distribution and the consumption of narcotics. Law enforcement officers may intervene anywhere on the premises for narcotic searches. In addition to legal prosecutions from the authorities, any drug and narcotics related breach of the regulations will be treated as a 3rd infraction of the Team [see Article 216], even if no prior violation has occurred.
ARTICLE 209: ALCOHOL

Alcohol consumption by any participant is not allowed at any time on-site.

The Organizers reserve the right to intervene and remove any person(s) found to be, in their sole and absolute determination, in a state unfit to participate from the site. Any behavior deemed by the Organizers to be unfit and/or inappropriate may be subject to the penalties laid out in Article 216 up to and including, immediate team disqualification even if no prior violation has occurred.

ARTICLE 210: COMMERCIAL TRANSPORT OF DANGEROUS GOODS

Commercial transport of Dangerous Goods is a risk if not correctly packed or handled. If the goods are hidden, declared incorrectly, left completely undeclared, packed or labelled incorrectly, health and safety is severely compromised. Commercial freight transportation regulations have increased significantly worldwide within the last couple of years requiring Shell Eco-marathon student teams to seek and understand the current restrictions/regulations, and the ramifications for non-compliance.

Agility Fairs & Events Logistics is the Global Freighting Partner for Shell Eco-marathon. Their global expertise will assist you in identifying any shipping restrictions/regulations for any chemicals and selected batteries. They will outline the process of packing and shipping your Shell Eco-marathon vehicle crates through commercial carriers to Shell Eco-marathon events worldwide.

Shipping Dangerous Goods such as batteries, pressurised containers or flammable liquids is heavily regulated internationally as improper packing can have catastrophic consequences. As per Article 24i teams are required to seek early guidance regarding the shipment of any Dangerous Goods from their commercial freight company or from our global freighting partner, Agility Fairs & Events. You may contact Agility at SEMUstudents@agility.com.

If teams are using air freight to ship their vehicle, they are advised to ship their batteries separately from their main crate by sea to minimise risks and to avoid having their whole crate being designated as ‘Dangerous Goods’.

We require the following documentation from all teams shipping commercially, i.e. not taking the competition vehicle to the venue in their own cars, to show that care has been taken to pack the goods safely:

- Shipping Form + Dangerous Goods Packing Declaration, which requires a person of authority at your institution to confirm that:
  
  (i) They have thoroughly checked the packing of your crates and it is safe to be transported via Commercial Transportation.
  
  (ii) They will undertake any financial and legal liabilities that might arise from incidents caused by failures to pack Dangerous Goods safely.

OR
- Dangerous Goods certificate from an official Dangerous Goods packer stating that the crate has been packed according to international safety standards.

Teams must send their Dangerous Goods documentation to ecomarathonamericas@shell.com before February 28, 2020. The penalty applied to teams who bypass the requirements for commercially shipping Dangerous Goods may be considered as the third infraction according to Article 216. All air freighted crates will be inspected by a certified Dangerous Goods Inspector provided by the Organizers prior to being collected at the end of the event. Should any non-compliant material be found in the crate by our inspector, the team will be contacted to resolve the issue or authorize disposal of the material. If we do not receive a response within 24 hours, we will remove and dispose of the non-compliant material so as to not delay the shipment process.

More information on Dangerous Goods can be found in the Dangerous Goods Shipping Guide.

ARTICLE 211: FIRE SAFETY

The Organizer will assess and submit a policy for managing fire associated risks within Sonoma Raceway. The Organizers stress that teams must manage fire risks with utmost seriousness. All flammable materials on site must be stored in the metal cabinets supplied by the Organizers. Any improper storage of flammable substance or poorly mitigated fire risks deemed to contribute to an unsafe condition will lead to the removal and disposal of the offending items. At the event, teams will be briefed on rules and guidelines for fire safety. Team managers will be required to ensure that their team adheres to the rules and guidance provided.

ARTICLE 212: TOOLS AND WORK EQUIPMENT

The Organizer will verify that tools and work equipment teams bring to a Shell Eco-marathon event meet National or Local Standards. All power tools must be good working order and any safety features must be in place. During the event, the Safety Team will patrol the paddock area to ensure teams are working in a safe manner. The following tools and equipment must have certification to prove that they are in a good working order as deemed by the Organizer:

- Electrical equipment: this must be properly rated for the United States and have a suitable test certificate to show that it is fit for use. During the event, the safety team will be patrolling the paddock to check for compliance.

- Teams are required to have approval from the Safety Team to use any small cutting or grinding equipment. Safety guards protecting the cutting wheel must be in place and fixed for use. Heavy duty cutting and grinding must be done by the welding team provided by the Organizers.

- No welding work is to be carried out in the paddocks. Teams are not authorized to bring their own welding equipment to the event site. Any welding equipment found will be confiscated for the duration of the event.
All electrical equipment used must be properly fused. All cables must be in good condition for the equipment. High wattage electrical appliances must not be plugged into a multiple plug strip. If you are using a multi plug strip, each must have internal overcurrent protection. (see Article 24j);

Only approved universal adaptors are to be used for all appliances and power tools;

All air compressors must have a suitable test certificate.

In the event the Organizer deems any equipment is unsafe, the Organizer reserves the right to not permit the equipment to be used.

**ARTICLE 213: PARTICIPANT DRONES**

Unmanned aerial vehicles (UAVs), commonly known as drones, belonging to any private individual Participant, are not allowed anywhere on-site.

**ARTICLE 214: MOVING PROTOTYPE AND URBAN CONCEPT VEHICLES**

In all places other than on the track, all Prototype and Urban Concept vehicles must be moved without the use of the engine. They must be manually pushed or pulled by an accompanying team member wearing gloves. This also applies to the pit lane and the paddock area.

When a vehicle is pushed or pulled, the speed must not exceed a walking pace and the vehicle must never be out of the control of the team members.

**ARTICLE 215: FUEL CONSUMPTION CHECKS**

A maximum of three participants per team including the driver may be present at the start and finish lines with their vehicle.

**ARTICLE 216: PENALTIES**

The Organizer will exclude, disqualify or otherwise penalize any participant/team who, in the judgment of the Organizer, has violated any of the rules laid out in Shell Eco-marathon 2020 Official Rules, Chapter I and the Shell Eco-marathon Americas 2020 Rules, Chapter II, including but not limited to:

- Non-compliance with on-Track safety or driving rules (unsafe or unwise behavior.)
- Non-compliance with off-Track safety rules, including but not limited to, the paddock area, participant amenities area, participant accommodation and other off-Track facilities.

Except otherwise specified, the Organizer will apply the following penalties for the following infractions:

- 1st infraction: Formal warning to the team manager.
- 2nd infraction: Best overall attempt invalidated at the end of the competition.
- 3rd infraction: Immediate Team disqualification.
ARTICLE 217: PEDESTRIANS

Except for the Track Marshals or any other person duly authorized by them and under their control, no pedestrian is allowed on the track. Track reconnaissance is forbidden. However, the Organizers understand the need for teams to view the track. A suitable time will be designated for this, which will be advised during the mandatory briefing.

ARTICLE 218: ON-SITE WELDING RULES

On-site welding and heavy duty cutting/grinding will only be performed by a professional group arranged by the Organizers. The welding service is only for minor modifications or repairs and not intended for teams to have their vehicle completed immediately after arrival to the event. All teams must go through technical inspection before accessing welding services. Vehicles requiring major modifications must have Technical Director approval.
3. PADDOCK SAFETY

ARTICLE 219: PADDOCK ACCESS

The Paddock will be open to teams:
From 12:00 p.m. to 10:00 p.m. on Tuesday, March 31.
From 6:30 a.m. to 10:00 p.m. from Wednesday, April 1 to Saturday, April 4. All teams and equipment must be out of the Paddock spaces by Saturday, April 4, at 10:00 p.m.

Only ten registered participants with team badges and paddock passes can have access to the team’s assigned paddock or work on the vehicles in their individual paddock at one time. If teams have more than ten team members, they can transfer the paddock passes to other members as they wish, however no more than ten total paddock passes will be issued to teams upon check in.

Please note – the paddock area is open to registered visitors, so friends, family, local visitors and media will have access to the paddock tent, however only (up to ten) registered, credentialed team members should be inside the individual team paddock space unless otherwise agreed.

ARTICLE 220: EMERGENCY EXITS

Fire and emergency exits must be always kept clear from any obstructing equipment or vehicles.

ARTICLE 221: PROTECTIVE EQUIPMENT AND MATERIALS

Teams share responsibility for safety matters and are required to provide the following to use at the event:

- Gloves for general work (leather or canvas.) If unsure on the usage of gloves, contact a Shell safety representative.
- Gloves for handling fuel or motor oil made of chemical resistant material (nitrile gloves are recommended.)
- Safety glasses for all participants (disposable types are permitted.)
- Hearing protection for all participants (approved ear plugs or muffs.)
- Duct tape to secure any cords or cables lying on the garage floor.
- Lift stands or appropriate raised platforms for vehicle tuning and repairs.
- Fire blanket or battery bags when charging batteries (please refer to Article 24i in the Chapter I rules.)
- Dust masks when required for work generating airborne particles.
- Closed shoes. Sandals and/or flip-flops are not permitted.
ARTICLE 222: TEST TRACK

The 2020 Shell Eco-marathon Americas will operate a separate Test Track that will be included in the inspection process. Teams are permitted to use the Test Track for tuning and testing when open.

Only vehicles that have passed Safety Inspection and are in full working order (e.g. complete chassis and body together), and drivers with full protective equipment, will be allowed on the track.

ARTICLE 223: COMPLETE PADDOCK AREA HOUSEKEEPING

Shell requires participants to exercise care in their paddock space or garage, particularly in the following aspects:

- Good housekeeping practices.
- Wearing of Personal Protection Equipment.
- Proper use of portable electric equipment and its protection.
- Electrical connections (e.g. cabling on ground to be duct-taped or appropriately secured.)
- No drilling, cutting, welding or grinding work is to be carried out in the paddock tent or garages. Welding will be done outside in the designated area.
- Display of regulatory stickers and posters, e.g. the “no-smoking” and safety posters that will be supplied by the Organizer to each Team upon their arrival. NB: to develop best-practice sharing in safety, all Teams are encouraged to display specific safety pictures or posters in their paddock; using appropriate fixings as approved by the venue to avoid causing damage.
- Food/drink and hazardous (toxic/noxious/flammable/solvent) products should be clearly separated e.g. use of metal box for hazardous substances.
- No food preparation should be undertaken in paddock areas nor open food be consumed. Pre-packaged snacks and beverages are permitted subject to the above condition.
- Bringing food from the outside or cooking is not allowed at any time on the Sonoma Raceway grounds.

WASTE MANAGEMENT

Participants are responsible for the cleanliness of their immediate area in the paddock and the surrounding environment. This includes waste management.

The Organizers will put a sorted waste collection system in place at Sonoma Raceway to support conservation efforts. Participants are required to sort their waste and to place it in the appropriate bins. Teams are reminded to adopt a green approach at this event, to recycle and reuse items, and avoid waste.

All unused and waste liquid chemicals/lubricants must be surrendered to the Technical Team for proper disposal. It must not be disposed of by pouring down a sink or drain.

ARTICLE 224: SAFETY DATA SHEETS (SDS)

Except for approved race fuels or energy sources, all teams should be able to provide the SDS of any products they use in their paddocks, e.g. solvents, cleaning agents, chemicals, upon request by the
Organizers. Personal protective equipment and storage specified in these documents must be adhered to at all times.

ARTICLE 225: SAFETY WALKS

Structured safety walks will be performed during the whole event, day and night by the Shell Eco-marathon Safety Team, to ensure that safety rules being followed.
4. COMPETITION/PRACTICE

ARTICLE 226: DEFINITION OF COMPETITION

ProtoType and Urban Concept vehicles will use the same track, at different times, during practice and competition.

Definition: For the attempt to be valid, teams must complete seven laps for a total distance of 6.4 miles with an average speed of 15 mph. The time requirement for Prototype and Urban Concept vehicles is 26 minutes (subject to confirmation in the daily Driver briefings.)

Urban Concept: The driver must stop once per lap. The stopping point will be specified by a panel or a specific road-marking under the control of a Track Marshal. It must be a full stop of the wheels and must take place at the specified point unless other vehicles have already stopped and no space is available on the track to do so. In case of disrespect of the designated place for this stop, or a ‘rolling stop,’ the concerned attempt will be invalid.

Attempt: Each team will be allowed five attempts. The best result will be retained for the final classification.

An attempt is counted when the vehicle crosses the start line. Even if the vehicle stops near the start line, a new start will not be granted for the attempt in question.

Additional attempts may be added at the discretion of the Organizers, however teams with two or less attempts will be given priority over those teams with five attempts inside the Starting queue. This declaration does not constitute a guarantee additional attempts will be granted.

Results: All results are considered temporary until the official results are published on the Shell Eco-marathon website after the Event.

In the event of any disputes, all decisions made by the Race Director are binding and final.

ARTICLE 227: ORDERING MANDATORY EQUIPMENT

This article applies to teams that do not yet have the required equipment in their possession. The following equipment is mandatory and must be purchased via the Event Organizer. Please contact ecomarathonamericas@shell.com to place an order prior to the event. The following materials will also be sold onsite during the event (teams must pay with a credit card; no cash or checks will be accepted.)

Fuel tanks (gasoline, diesel, and ethanol)
These tanks are mandatory and shall not be modified.

- Prototype: 100 or 250 cc
- Urban Concept: 100, 250 or 350 cc
ARTICLE 228: DRIVING UNDER THE INFLUENCE OF NARCOTICS

Driving under the influence of narcotics is forbidden.

Any narcotic-related breach of the regulations by Drivers will be treated at least as a 2nd infraction of the team; even if no prior violation has occurred. In addition, the affected driver will immediately be banned from accessing the track. The reserve driver may substitute the main driver if she/he is eligible to drive.

Any second narcotic-related infraction will lead to the immediate disqualification of the entire team.

ARTICLE 229: RFID TAG ATTRIBUTION

Four RFID tags will be attributed to each team: one for the vehicle, one for the team manager, and one for each driver.

This tag is your reference for:

- Briefing presence control.
- Technical inspection access, process and final status.
- Competition access, race queue entrance, and start and finish measurement.

ARTICLE 230: MANDATORY BRIEFING

The morning briefing is mandatory for the team manager and the drivers (main driver and reserve driver.) You must scan your RFID tag for presence control. If the team manager is not present at this briefing the vehicle will not be authorized on track for the entire day. Only the drivers attending the briefing will be authorized on track for the entire day.

ARTICLE 231: TRACK ACCESS CONDITIONS

Track access is authorized for Prototype and Urban Concept vehicles, only during official opening hours, according to the Competition Schedule. For other conditions, please refer to Article 13 in the Shell Eco-marathon Official 2020 Rules, Chapter I.

ARTICLE 232: BREAKDOWNS AND OTHER INCIDENTS

If, due to an incident, the race is stopped and the red flag used, all vehicles on the track at that time will receive one additional attempt.

For other details, please refer to Article 18 in the Shell Eco-marathon Official 2020 Rules, Chapter I.
ARTICLE 233: PANEL INFORMATION

The Organizers recognize the need for teams to communicate with drivers using panel boards along the track. A dedicated paneling area is designated for this. Only two participants wearing a dedicated safety vest or armband supplied by the Organizers shall be allowed in said paneling area at any time. Paneling outside this area is forbidden.

ARTICLE 234: TIMEKEEPING

All vehicles will be equipped with an extra-flat electromagnetic transponder that will be fitted after technical inspection, using adhesive tape or nuts, inside or outside the vehicle according to the vehicle’s characteristics.

Should there be any malfunction of the transponder midway through an attempt, the attempt will be voided and a new attempt will be awarded, given that this is duly verified by the Organizers as per Article 6 and Article 7 of the Shell Eco-marathon Official 2020 Rules, Chapter I.

ARTICLE 235: START AND FINISH OF COMPETITION

Only vehicles that have passed technical and safety inspection will be allowed in the queue to access start tent.

The vehicle may be accompanied by a maximum of three participants, including the driver, who have the appropriate ID badges and wristbands. Once the vehicle has left the starting line, all non-driving participants must leave the starting area.

The starting area is dedicated for the driver to take his/her place in the vehicle in safe conditions, and to close the vehicle body. It is forbidden to work on the vehicle in this area. In case of difficulties in starting the vehicle, a maximum of two minutes will be granted to try again, after which time the team must return the vehicle to the paddock for repairs. Teams must re-join at the end of the queue when they would like to attempt again. No equipment will be allowed in the starting area, e.g. heater system, trolley, toolbox, etc.

Drivers must wait for a signal from the flag bearer (green flag) before starting and must carefully enter the track at the merging point on the track/pit lane. It is forbidden to cross the solid demarcation line separating the track and the starting lane.

At the start line: Vehicles will start one by one. Vehicles must be at a full stop and are not allowed any outside assistance during starting. Any pushing of the vehicle is prohibited.

At the finish line: Competitors must not perform any work on their vehicles until the Inspector permits. Inspectors/Marshals are the only people authorized to fill or top up the tank.
### Identification of Vehicles (Prototype and Urban Concept)

#### Article 236:

**Identification**

- **Shell Pecten**
  - Position: Right side, Left side, Front of vehicle
  - Format: 215mm x 200mm
  - Number: 3
  - Notes: Mandatory

- **Race number plate**
  - Number: 502
  - Position: Right side, Left side, Front of vehicle
  - Format: 200mm x 260mm
  - Number: 3
  - Notes: Mandatory

- **Partner strip**
  - Position: Right side, Left side
  - Format: 770mm x 80mm
  - Number: 2
  - Notes: Mandatory

- **Emergency sticker**
  - Position: On exterior position of the shutdown actuator
  - Format: 120mm x 105mm
  - Number: 2
  - Notes: Mandatory, provided by the Organisers
5. REGIONAL CHAMPIONSHIP

ARTICLE 237: DEFINITION OF REGIONAL CHAMPIONSHIP

Definition: The Shell Eco-marathon Americas Regional Championship 2020 will require teams to complete a set number of laps, to be confirmed at the mandatory drivers’ briefing.

ARTICLE 238: WORLD CHAMPIONSHIP RULES CHAPTER III

Teams interested in competing in the Shell Eco-marathon Americas Regional Championship 2020 must refer to the Shell Eco-marathon 2020 Global Rules, Chapter III.
6. PROVISIONAL COMPETITION SCHEDULE

The final schedule for the day will be confirmed every morning during the mandatory technical briefing. The Organizers reserve the right to change this schedule.

**TUESDAY, MARCH 31, 2020**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 p.m.</td>
<td>Campsite opens</td>
</tr>
<tr>
<td>12:00 p.m. – 07:00 p.m.</td>
<td>Participant check-in open</td>
</tr>
<tr>
<td>12:00 p.m. – 10:00 p.m.</td>
<td>Paddock tent open</td>
</tr>
</tbody>
</table>

**WEDNESDAY, APRIL 1, 2020**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>06:30 a.m. – 10:00 p.m.</td>
<td>Paddock tent open</td>
</tr>
<tr>
<td>08:00 a.m. – 07:00 p.m.</td>
<td>Participant check-in open</td>
</tr>
<tr>
<td>08:00 a.m. – 05:30 p.m.</td>
<td>Pre-Technical Inspection check-in open</td>
</tr>
<tr>
<td>09:00 a.m. – 06:00 p.m.</td>
<td>Technical Inspection open</td>
</tr>
<tr>
<td>09:00 a.m. – 06:00 p.m.</td>
<td>Participant Information Desk open</td>
</tr>
<tr>
<td>06:15 p.m. – 07:00 p.m.</td>
<td>Team Managers and Drivers track tour and Q&amp;A</td>
</tr>
</tbody>
</table>

**THURSDAY, APRIL 2, 2020**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>06:30 a.m. – 10:00 p.m.</td>
<td>Paddock tent open</td>
</tr>
<tr>
<td>08:00 a.m. – 08:45 a.m.</td>
<td>Mandatory technical briefing for Teams Managers and Drivers</td>
</tr>
<tr>
<td>08:00 a.m. – 12:00 p.m.</td>
<td>Participant check-in open</td>
</tr>
<tr>
<td>08:00 a.m. – 06:00 p.m.</td>
<td>Participant Information Desk open</td>
</tr>
<tr>
<td>09:00 a.m. – 12:00 p.m.</td>
<td>Pre-Technical Inspection check-in and Technical Inspection open</td>
</tr>
<tr>
<td>12:00 p.m. – 01:30 p.m.</td>
<td>Opening ceremony and group photo</td>
</tr>
<tr>
<td>01:30 p.m. – 06:00 p.m.</td>
<td>Pre-Technical Inspection check-in and Technical Inspection open</td>
</tr>
<tr>
<td>01:30 p.m. – 03:30 p.m.</td>
<td>Track open for Prototype and Urban Concept practice</td>
</tr>
<tr>
<td>04:00 p.m. – 6:00 p.m.</td>
<td>Track open for Urban Concept competition (last run starts at 5:30 p.m.)</td>
</tr>
</tbody>
</table>
### FRIDAY, APRIL 3, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>06:30 a.m. – 10:00 p.m.</td>
<td>Paddock tent open</td>
</tr>
<tr>
<td>08:00 a.m. – 08:45 a.m.</td>
<td>Mandatory technical briefing for Teams Managers and Drivers</td>
</tr>
<tr>
<td>08:00 a.m. – 04:00 p.m.</td>
<td>Participant Information Desk open</td>
</tr>
<tr>
<td>08:00 a.m. – 12:00 p.m.</td>
<td>Technical Inspection open</td>
</tr>
<tr>
<td>09:00 a.m. – 12:00 p.m.</td>
<td>Track open for Prototype competition (last run starts at 11:30 a.m.)</td>
</tr>
<tr>
<td>12:00 p.m. – 01:00 p.m.</td>
<td>Track and Technical Inspection closed</td>
</tr>
<tr>
<td>01:15 p.m. – 03:15 p.m.</td>
<td>Track open for Urban Concept competition (last run starts at 2:45 p.m.)</td>
</tr>
<tr>
<td>01:00 p.m. – 04:00 p.m.</td>
<td>Technical Inspection open for re-checks only</td>
</tr>
<tr>
<td>03:30 p.m. – 06:00 p.m.</td>
<td>Track open for Prototype competition (last run starts at 5:30 p.m.)</td>
</tr>
<tr>
<td>04:00 p.m.</td>
<td>Technical Inspection permanently closed</td>
</tr>
<tr>
<td>04:00 p.m. – 06:00 p.m.</td>
<td>Technical Inspection converted to Parc Ferme</td>
</tr>
</tbody>
</table>

### SATURDAY, APRIL 4, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>06:30 a.m. – 10:00 p.m.</td>
<td>Paddock tent open</td>
</tr>
<tr>
<td>08:00 a.m. – 08:45 a.m.</td>
<td>Mandatory technical briefing for Teams Managers and Drivers</td>
</tr>
<tr>
<td>08:00 a.m. – 03:00 p.m.</td>
<td>Participant Information Desk open</td>
</tr>
<tr>
<td>09:00 a.m. – 11:00 a.m.</td>
<td>Track open for Urban Concept competition (last run starts at 10:30 a.m.)</td>
</tr>
<tr>
<td>11:00 a.m. – 01:00 p.m.</td>
<td>Track open for Prototype competition (last run starts at 12:30 p.m.)</td>
</tr>
<tr>
<td>01:00 p.m. – 02:00 p.m.</td>
<td>Track closed</td>
</tr>
<tr>
<td>03:30 p.m. – 03:50 p.m.</td>
<td>Shell Eco-marathon Americas Regional Championship</td>
</tr>
<tr>
<td>05:00 p.m. – 06:00 p.m.</td>
<td>Awards Ceremony</td>
</tr>
<tr>
<td>10:00 p.m.</td>
<td>Paddock tent permanently closed to Participants</td>
</tr>
</tbody>
</table>

### SUNDAY, APRIL 5, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00 a.m.</td>
<td>Sonoma Raceway closed to Participants</td>
</tr>
</tbody>
</table>
7. TROPHIES, PRIZES AND AWARDS

ARTICLE 239: TRAVEL SAFETY STIPEND
A stipend of USD 500 will be given to the team with the best travel safety plan. A travel safety plan describes how you will ensure that your travel to and from the event is as safe as possible. If your team would like to register to be considered for this stipend, contact ecomarathonamericas@shell.com. This travel safety plan should be submitted to ecomarathonamericas@shell.com by February 28, 2020. The stipend winner will be notified on Saturday, April 4, 2020. This stipend will be added to the Team’s travel allowance and/or prize money (if applicable) as per Article 241.

ARTICLE 240: NOT USED

ARTICLE 241: AWARDS PRESENTATION
The trophies shall be presented to the Shell Eco-marathon Americas 2020 winning Teams during the Awards Ceremony on Saturday, April 4.

Notes about the prizes and monetary compensation:

- No payments will be made to individual bank accounts, it is mandatory that teams provide an institutional bank account in the Phase 3 Team Invoice.
- For US teams, payments will be made via ACH to the entity listed in the bank forms accepted by Shell.
- For non-US teams, payments will be made via Visa Gift Cards only, to be collected at check-in (travel allowance) and shortly after the awards ceremony (prizes, if applicable).
- Any damages made by the team, as mentioned in the Institutional Waiver, will be directly deducted from their travel allowance or prize money.

ARTICLE 242: TRANSFER OF PRIZES
No substitution or transfer of prizes is allowed. The Organizers reserve the right to award alternate prizes in the event a prize is unavailable. The Organizers also reserve the right to not award any prize.
8. MISCELLANEOUS TERMS AND CONDITIONS

ARTICLE 243: TRAVEL ALLOWANCE

Each team shall be granted an allowance/stipend to assist with travel costs to and from the event. The amount of this stipend is determined by the Organizer depending on the (one-way) distance travelled from the school/university to Sonoma Raceway. If there are any uncertainties about mileage and rates, the final decision will be made by the Organizer.

Below are the travel allowance rates:

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>ALLOWANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>250 Miles</td>
<td>$150</td>
</tr>
<tr>
<td>251</td>
<td>500 Miles</td>
<td>$250</td>
</tr>
<tr>
<td>501</td>
<td>750 Miles</td>
<td>$500</td>
</tr>
<tr>
<td>751</td>
<td>1,000 Miles</td>
<td>$750</td>
</tr>
<tr>
<td>1,001</td>
<td>1,500 Miles</td>
<td>$1,000</td>
</tr>
<tr>
<td>1,501</td>
<td>2,000 Miles</td>
<td>$1,500</td>
</tr>
<tr>
<td>2,001</td>
<td>Or More Miles</td>
<td>$2,000</td>
</tr>
</tbody>
</table>

ARTICLE 244: DROP OUT POLICY

Teams that wish to drop-out from the competition must inform the Organizer by February 28, 2020. Lack of warning before dropping out will result in a suspension of their institution from Shell Eco-marathon competitions globally for one year.

ARTICLE 245: NOT USED

ARTICLE 246: NOT USED

ARTICLE 247: STUDENT MEALS

Shell will provide three dinners free of cost for all participants. Participants are responsible for purchasing their other meals. Sonoma Raceway food vendors will be open at Sonoma Raceway for breakfast and lunch throughout the duration of the event for the teams to purchase their own meals on-site. ATMs are available on-site.