

# Regulation and Event Time Table



## - Revision Record -

ver1  
26th September 2017

ver2

## ECO 2017



WEM Japan Gran Prix Final Round

Energy Challenge Okinawa Committee

## Time TABLE/ ECO2017 - WEM-GP2017 Final round / December 2017

	Thursday 29
6:30-	Entrance Gate open
7:30-	Reception and Scrutineering
9:30-	Broom Sweeping for course safety Briefing / Driver, Team lead and Volunteer
10:30-	Practice (for 30min.)
12:00-	Battery provided at HQ Cars are set on Grid in completed / Last check > Cars unable to set on grid shall be instructed to start from pit after all cars depart.
13:00-	Race starts
15:00-	Checker
17:30-	Lecture session by Designers of JPN top teams. (70min)
19:00	Deliberation, Commendation and Closing celemony
22:00	Day close

Volunteer : All teams shall provide their 2 or more crew as safety assistants standing every 30 meters around the course during the race and practice in order to keep safety in case trouble and avoid critical accidents.

## Regulation Page1 / Energy Challenge Okinawa 2017

Name of the event	Energy Challenge Okinawa 2017	<b>Race and Car</b> + Race in 120min and ends 20min after the checker flag. Laps after 180min are not counted as its record for cars passing control line 20min after the checker flag. + Course 1500m + Maximum car size Length 3.5m / Width 1.3m / Hight 1.6m + Braking system 1 system at least on any wheel to eligible to suspend the car with a driver on the 8% slope in every direction. + Motor No limit + Batteries 2pcs of Furukawa FTX4L-BS / 4Ah nominal provided at event head quater 60min right before the race start. No Precharge is permitted. + Car number Participants must put the number, which will be instructed by the organizer by November 30th. Paticipants can request car number althugh organizer has right to enplace the number. + Event sticker Participants must provide a space on the car surface to put the event sticker, Width 297mm x Hight 210mm + Car safety The car must equip a rear viewing device such as mirror or back viewing camera. Claxon, chain and sprocket cover or isolated from driver's room. + High Voltage Warning sign must be shown if exceeds 30V. + No cars will be allowed to run without passing scrutineering. + Only electric motor is allowed to run the car. No pedals or human power pushing. + Using super capacitors is allowed only when the driver is able to show its level of precharge below 10% of full capacity at the starting grid in 30 seconds when the inspector requests it. + Another set of batteries for practice is also provided at enent Head Quater. + The Batteries provided by the organizer for the race must only be used for the enpower the motor to run the car. Other types of battery cells may only be permitted when the inspector can easily access and check those cells are only for other devices such as computers and sensors.
Competition format	WEM all Japan Gran Prix Final / Round4	
Official web site	<a href="http://energy-challenge-okinawa.science">http://energy-challenge-okinawa.science</a>	
Official email address	<a href="mailto:wemgp@energy-challenge-okinawa.science">wemgp@energy-challenge-okinawa.science</a>	
Registration for the entry	<a href="http://energy-challenge-okinawa.science/registration2017/">http://energy-challenge-okinawa.science/registration2017/</a>	
Event venue	Itoman, Okinawa	
Requirement to become Participants	Team lead : 20 years or older Driver : 14years or older >Drivers under 20y MUST show parental agreement with sigunature by the parent in the document.	
Official announcement	via official website, facebook and twitter No speaker system in the event venue.	
Mandatory requirement	Teams must provide 2 or more Safety volunteers standing every 30 meters around the course to keep safety and avoid critical accidents during the practice and the race.	
Right of likeness	Participants must permit event organizer to use all and photograph and video of team members and supporters for any kinds of media and public relations.	

## Regulation Page2 / Energy Challenge Okinawa 2017

<p><b>Driver</b></p> <ul style="list-style-type: none"> <li>+ Driver must weigh 55 kg or heavier with the ballast. Participant must prepare the exact weight beforehand to meet the requirement. The ballast weight will be inspected at both scrutineering and starting grid. So that, the location of the ballast must be easily visible from outside of the vehicle.</li> <li>+ Driver must wear helmet certified by DOT, Snell, JIS manufactured in 2008 or later, driving suits, gloves, shoes during the race and practice.</li> <li>+ Accessibility Diver must be able to evacuate from the car within 30 seconds without assistance.</li> <li>+ Legal radio communication devices are only allowed in the event. Participants using illegal devices are to be withdrawn.</li> </ul> <p><b>Application to take part in the event</b></p> <ul style="list-style-type: none"> <li>+ Web application form will be open on 20th of September 2017.</li> <li>+ Limit of race : 25 teams Due to the course partly using public road, we may need not to accept more teams when we confirm early 25 teams.</li> </ul> <p><b>For the Further notice</b></p> <ul style="list-style-type: none"> <li>+ The event organizer has right to change or re-define the regulation. Official announcement takes place via official website or facebook and twitter any time until the event ends. So that, the participants must refer the website or LIKE the facebook page below to get notified directly to their accounts.</li> </ul> <p>-Official facebook page <a href="https://www.facebook.com/WEMGP.Okinawa/">https://www.facebook.com/WEMGP.Okinawa/</a></p> <p>-Official twitter <a href="https://twitter.com/eco_race">https://twitter.com/eco_race</a></p>	<p><b>Schedule</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td data-bbox="1137 272 1377 416">30th October - November 20th</td> <td data-bbox="1377 272 2087 416">Entry gate is open for registration.</td> </tr> <tr> <td data-bbox="1137 416 1377 651">By November 25th</td> <td data-bbox="1377 416 2087 651">Organizer responds the application is accepted or not. Although organizer will close the application web form when reaching the number of applicants exceeds its capacity and announce Team list accepted as participants even if it's quite early before this date.</td> </tr> <tr> <td data-bbox="1137 651 1377 877">By November 30th</td> <td data-bbox="1377 651 2087 877">Submit a team photo of member and their car / jpeg less than 500kb  The parent of the driver age younger than 20 years MUST sign.</td> </tr> <tr> <td data-bbox="1137 877 1377 1391">On December 29th</td> <td data-bbox="1377 877 2087 1391">Scrutineering, Practice, Race, Commendation Lecture session, After party with BBQ</td> </tr> </table>	30th October - November 20th	Entry gate is open for registration.	By November 25th	Organizer responds the application is accepted or not. Although organizer will close the application web form when reaching the number of applicants exceeds its capacity and announce Team list accepted as participants even if it's quite early before this date.	By November 30th	Submit a team photo of member and their car / jpeg less than 500kb  The parent of the driver age younger than 20 years MUST sign.	On December 29th	Scrutineering, Practice, Race, Commendation Lecture session, After party with BBQ
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### Categories

- + Youth Class  
A group of mainly Students of University, College, Polytech or High school. The driver must be the student.
- + Junior Class  
A group of mainly Junipor High school. The driver must be the student.
- + Wiper motor Class  
Youth class and Junior class teams that use conventional Wiper motor of general consumers' cars.
- + SEM Class
- + Open Class

### Awards

- + Top 3 teams of all categories will be awarded at the commendation ceremony.

### Safety

- + Driver's radio communication must be legally authorized and the driver MUST use hands' free a microphone and ear phone(s).
- + Yellow flag by official staff  
Driver must be very cautious and ready to encounter dangerous situation.
- + Red Flag  
Driver must stop as soon as nitifying this flag on any position on the course.

### Protest

- +Team lead is the only person who's allowed to protest about the judgement of the race result. However the protest must take place within 30min after the race result temporally is announced before the commendation ceremony.

### Disqualification

- +Teams are disqualified when the official staff notice that,
  - The car is moving with the power other than the energy of the battery of the event without authorization by the official staff.
  - Anyone of the team members disregard the instruction by the official staff or event organizer.
  - Anyone of the team members behave intimidating, overbearing, violent, antisocial or illegal action against official staff or other team members.

### Liability and Risk

- +All Teams must consent
  - not to claim against the event organizer or other participants for damage or loss of the car or team members by any kinds of incident or accident in the event.
  - To waive a right for pursuing liability of the event organizer nor other teams.
  - that any kinds of damage or loss of their team members or the car can only be covered by indemnification of the insurance no matter how it's caused intentionally or accidentally by anyone in the event.

### Power supply

- +All Teams can use their appliances with electric generator (AC100V MAX30A) of the event HQ during the event, that may be for the short duration, (30 min maximum) only when other teams come and ask for shifting.