

Memorandum

To: All teams entered in the 6 / 25 Hours of Thunderhill

Note: All rules apply to both 6 and 25 Hour Teams, unless otherwise noted.

From: Jerry Kunzman, Event Director

Supplementary Rules and Regulations

- 1) **ALL DRIVERS MUST BE UTILIZING A HEAD AND NECK RESTRAINT DEVICE CARRYING AN SFI 38.1 or HANS devices with FIA 8858-2002 CERTIFICATION. THERE ARE NO EXCEPTIONS. A CURRENT LIST CAN BE FOUND HERE: <http://www.sfifoundation.com/manuf.html#38.1>**
- 2) No participant may **test**, or drive in any kind of event, at Thunderhill Raceway Park from November 27th (inclusively) through December 3rd (inclusively). The track will offer testing December 4th. Please contact the track regarding testing: 530-934-4455 x 0
- 3) ALL teams must check in with **NASA Registration**. Registration will open at 12 noon on Friday at Thunderhill Raceway Park and will be located on the first floor of the main building, unless otherwise posted. **Registration CLOSES at 8pm on Friday, December 5th. Any team failing to pickup up their registration package by 8pm will be excluded from the event; no exceptions.**
- 4) **Crew credentials** will be enclosed in the registration packages that are picked up at the track. All drivers and crew must display a racing license or a crew credential at all times. No access to the pit lane (hot pits or cold pits) will be allowed unless the person is wearing an event credential (crew or media) or is a registered driver displaying their license.
- 5) *Only the first floor of the **main building** will be open to participants and guest. No one other than officials may enter floor 2, 3, or 4 during the race, unless requested to do so by an official.*
 - a. NO DOGS INSIDE THE MAIN BUILDING on any floor (seeing-eye dogs excepted).
 - b. *There are no bicycles or other "vehicles" allowed in the building.*
 - c. *No smoking in the building. This is against California law, and you may be cited.*
 - d. *Please take care of the building. Do not cause damage! That includes leaning against walls, thus leaving marks.*
 - e. *Please note the strict PADDOCK RULES (**VERY IMPORTANT**):*
http://www.nasapracing.com/norcal/events/paddock_rules.pdf
- 6) Each car is required to have one AMB **transponder**. Transponders may be purchased before the event from I/O Port Racing (800) 949-5712. Additionally, there will be a small supply for sale at Registration at the track. All teams will be required to use an additional AMB transponder for back up timing. This transponder will be supplied to the team free of charge. However, any team failing to return the transponder before leaving the track will be charged \$350. Returning it late, will not get a refund.
- 7) **Access to the paddock** will be announced in the subsequent version of this document. Any team arriving before entrance is allowed shall not use a BBQ, hunt, make excessive noise, operate motor vehicles of any kind, and must not leave any trash and/or waste water behind. ALL vehicles MUST stay on the pavement!
- 8) The raceway management will address **violations of any track rules** and / or policies. Such things as, property damage (littering, leaving used tires behind); inappropriate transportation (roller-skates, etc); etc. will result in penalties that are beyond the control of NASA. Please be aware that teams may be warned, fined, or even ejected by the raceway management. If any problems of this type occur, it would be best to notify the NASA Event Director immediately, so as to help mitigate the situation in the best manner possible.
- 9) There will be some **video taping** (or NASA in-house production) as well as a number of magazine writers present. Therefore, in keeping with the spirit of NASA, we expect to see only professional behavior at all times. Unprofessional, unsportsmanlike, and aggressive behavior will be cause for immediate and harsh actions, including fines, and/or ejection.
- 10) The "**matching team uniform**" rule will be enforced. If the team dons all white t-shirts, that would be sufficient. Please take this seriously. Team members with non-matching uniforms may not be allowed entry to the hot pit lane. Anyone needing uniforms may contact GoGoGear.com.

- 11) All cars MUST display **four (4) NASA decals** while on track. The decals will be given to any team in need of them, free of charge. Because of this, there will be no excuse tolerated for not having the required decals. A team WILL BE BLACK FLAGGED for not having the required decals. NO EXCEPTIONS. Decals may be obtained at registration during registration hours.
- 12) There is a **sound limit** of 95 dBA MEASURED AT **100 FEET** (Note- this is very different than 98 @ 50'. Please do the math or check on the forums for more details:
<http://www.thunderhill25hour.com/forum/viewtopic.php?t=80>
 - a. Any car measuring more than 95 dBA at any time will be warned until 5PM on Saturday night. After 5PM any offending car will be black flagged immediately. The team may be given one chance to comply with the sound limit.
 - b. Cars over 97 dBA @100' (103 dBA @ 50') will be blacked flag without warning to the team. This rule applies to test days as well.
- 13) Obnoxious and / or blinding **lights** will be subject to "adjustment" per the rules. **No roof mounted lights allowed.**
- 14) **Pit space assignment** will be based on priority AND order of entry received by November 1st. Note- All major magazine entries will have first priority. Those willing to share a space with a 6-Hour entry or any team with a double entry for one car will be given the next highest priority (if entered by November 1st).
 - a. Anyone moving into a pit space that has not been assigned to them may be **asked to move**. Failure to comply with this rule will be cause for exclusion from the event.
 - b. *Pit space assignment will begin November 2nd. We will be contacting teams in the proper order for their choice. If you cannot be contacted in a reasonable amount of time, then we will skip to the next team. As soon as you return our message we will give you the next available choice. A map will be posted and / or sent out ahead of time.*
- 15) There is a 25mph **speed limit** in the pitlane. The officials should signal drivers to slow down, if they feel that they are over 25mph. If this signal is obeyed, there should be no penalty. The officials' objective is to help all teams enjoy their experience safely, not find ways to issue penalties. So, they will do their best. **Speeding in the pitlane** will warrant penalties. Those will range from a warning to a timed stop and go at the discretion of the race director.
- 16) There is **no gate fee** or admission charge for this event for participants. Please note- The track may charge for spectators (\$10 per person for admission) starting at 10am on Saturday morning. Any personnel with your team coming in after 10am on Saturday will just need to state the name of the team they are with.
- 17) There should be a 25-hour **countdown clock** mounted in a viewable location. This countdown clock will NOT be the official clock for the event, however we will attempt to synchronize it to show you the actual time as closely as possible. This is an added feature for your convenience.
- 18) NASA will be broadcasting **live Timing & Scoring** results throughout the pits and paddock. Anyone with a laptop and radio modem ([click here](#) for one vendor), using [Rmonitor](#) (free) will be able to view the results live. Additionally, there should be an area in Race Central (main building, 1st floor) to view the current standings live. Do NOT go to T&S during the race unless asked to do so by an official or a NASA official gives permission. In addition to the radio modem, we will attempt to broadcast live timing to a website. The link to the URL will be posted on the main page for the event: www.nasa25hour.com.
- 19) and covers most, or all, of the paddock. There is a subscription fee for using the internet.
- 20) All teams must **monitor UHF frequency 467.875 MHz**. No side tone. (This is channel 1431 on the Receiver units.) Instructions from the control tower as well as crucial information will be broadcast on this frequency. Failure to monitor this frequency will result in harsh penalties.
- 21) No team may transmit on the UHF frequency 467.875 under any circumstances.
- 22) Teams will use **Channel 7 on the FRS / GRMS** radio to contact the Control Tower. If your team is called on the UHF frequency, returning the call on the FRS / GRMS (Channel 7) radio will save trips to the tower and expedite combinations. These radios can be purchased anywhere including Wal Mart for about \$20.
- 23) We welcome all guest drivers from other countries with a valid FIA road racing class license. However, all drivers are required to have a reasonable **command of the English language** so far as communication for racing and racetrack conduct is concerned. Any driver and/or crew that lack this command must have an interpreter present as needed.
- 24) There will be an **open practice** session on Friday, from 4:45 PM until 5:15 PM, regardless of whether a team has previously signed up for testing.
- 25) The Race Director intends to provide a **qualifying** session on Friday, between 5:15 PM and 5:45 PM.
 - a. Those drivers that wish to be on track from 4:45 PM until 5:45 PM for the practice / qualifying session, and have not previously registered with the track for testing that day, MUST sign in with the track office. There will be no fee; however each driver must follow this rule when applicable.

- 26) The Race Director reserves the right to **change the qualifying method** at anytime. If something should prevent an accurate qualifying session, the Race Director may choose another system per the Endurance Series rules.
 - 27) All teams shall have their car's **logbook** presented and signed by a NASA tech inspector. Logbooks from other recognized organizations might be adequate, but must be cleared with a NASA inspector.
 - 28) All vehicles must conform to their **class' safety and preparation** rules. Class rules from these organizations may be allowed to compete: NASA, SCCA, BMW Club, FIA, IMSA, Grand Am, POC, PCA, ICSCC, and CASCC.
 - 29) Please take your car to tech. **Tech location** will be near the center ramp, under the permanent awning. All cars must be teched before the race. Each driver will check in with tech and show their racing suit, helmet, and head/ neck restraint device meeting SFI 38.1.
 - 30) ALL drivers must obtain a tech sticker for their **helmet**. Bring your helmet to the tech area for inspection.
 - 31) The team must **declare a class** for their vehicle. That could be a regular NASA class or another class recognized by another organization. In the case of the latter, the team **MUST** provide a current rule book for that class proving that their car meets those rules; in particular with regards to safety. No vintage style safety rules are allowed. The car must fit into a class from NASA, IMSA, Grand Am, SCCA, ICSCC, MCSCC, EMRA, or an FIA listed class. BMW Club Racing cars are approved safety wise, providing that they meet full NASA or BMW Club Racing published safety specifications.
 - 32) **Addendum:** Changing of the tub (uni-body) or chassis is not permitted.
 - 33) Certain **race cars that were made for road racing in other countries** than the United States may be eligible for competition in the 25-hour race providing that they meet with full FIA safety specifications and are pre-approved by the NASA National Office. No approvals at the track will be permitted, however safety and compliance inspections will be performed. The office must receive adequate documents stating the specifications and requested information before 30 days prior to the event.
 - 34) **Pre-Registration will close** November 19th, 2008 at 1700 hours PST
 - 35) **NO REGISTRATIONS WILL BE ACCEPTED AFTER NOVEMBER 19th, 2008.**
 - 36) All people in the pitlane (hot pits or cold pits) must be registered as a driver, official, or crewmember and be displaying the **proper identification** at all times.
 - 37) **At the track- Drivers being added (or changes)** to a team at the track will be charged \$25 per driver per team in addition to any other applicable fees. Changes must be made before registration closes.
 - 38) At the track **Crew Credentials** must be obtained from registration and will be charged an additional \$25.
 - 39) **Drivers that do not possess a valid NASA** racing license, but possess a valid license from another sanctioning body, approved by NASA, that register at the track must submit all applicable paperwork and fees for a NASA license, plus an additional \$25 fee.
 - 40) "Permanently" placed **catch pans, rugs**, etc. are not allowed. In other words, you cannot tape down a rug to the pitlane surface. The catch pan / device shall be removed after every stop.
 - 41) All **rules contained in this supplement** and presented at the drivers' meeting supersede any conflicting rules found in the NASA Club Codes and Regulation and in the Endurance Series Rules.
 - 42) **No "Rookies"** are allowed to drive in this event. A "Rookie" is a driver with less than eight (8) road races. Road races with other sanctioning bodies count. Time Trials, open track, lapping days, HPDE, instructor licenses, etc., do not count. Possible exceptions may be made for 6-hour drivers only, with specific permission and certain restrictions. Must obtain permission in writing.
 - 43) **Body Contact** will bring penalties. All body contact, as defined by the CCR, must be reported to the Race Director within 30 minutes of the incident. Incidences will be dealt with swiftly and penalties will be issued. If the Race Director is unable to determine fault, both cars may be brought in for penalties. Note- The penalty times may or may not be equal.
 - 44) All teams **MUST** keep a **drivers log**. The log must show which driver was driving during which times. Failure to keep an accurate log will result in penalties.
 - 45) Using **colored lights** to identify the team's car at night is permitted providing that the lights and colors do not confuse other drivers (*e.g. no white light to the rear*). ~~For example, using a blue flashing light in the rear window may cause other drivers to believe that is a pace car. The offending car will be black flagged. No flashing or blinking lights are allowed.~~
 - 46) No series points (WERC) will be awarded for the 25 hour portion of the race. WERC points will be awarded for 6-hour finishers.
 - 47) **ALL FUEL MUST BE PURCHASED AT THUNDERHILL VIA THE GAS PUMPS.** The following Sunoco Racing Gas will be available (prices subject to change):
 - a. 92 Octane Unleaded at TBA
 - b. 100 Octane Unleaded at TBA
 - c. 110 Octane Leaded at TBA
 - d. 87 Octane Unleaded (going price) – There should be 87 octane available at the track.
- If you have special needs, the track will work with you. There will be a drop fee of \$50 per barrel for special

orders outside the scope of this arrangement.

As a side note, keep in mind that by purchasing fuel at the track you are also helping to invest in the future growth of Thunderhill Park. The repaving of the track and the additional paddock canopy are examples of how you directly benefit from your fuel purchases at Thunderhill.

- 48) **ALL TEAMS MUST FAX THE TRACK** AT 530-934-7275 to report what they expect to use in fuel, **by November 19th**. You will NOT be obligated to purchase that amount, but this will ensure that they have enough on hand. Make sure you specify what octane. If you have special needs not covered here, you can call the track at 530-934-4455.
- 49) No **car numbers** made from tape or homemade looking numbers. This is a high-profile event with lots of media. If it looks like you made it at home, then it's homemade and not welcome. Call GoGoGear.com if you need numbers made (707-643-1000). **No duplicate car numbers are allowed; no exceptions! Three digit numbers are NOT permitted. Car numbers will be assigned in the order that we received the Vehicle Information Form, NOT by order of entry.**

Car number must conform to 18.1.1 of the CCR. Reflective numbers are allowed and encouraged. The passenger side (right side) door number must remain clean and visible to T&S. Teams are strongly encouraged to take a few seconds to wipe that number clean during a pit stop. Vehicles with hard to read numbers will be black flagged or not scored!

Excerpt from CCR 18.1.1 *"The side numbers must be at least ten (10) inches tall with a one and a half (1.5) inch stroke and be of a **contrasting color**. The front and/or rear numbers must be at least four (4) inches tall. The distance between the numbers shall be as wide as the stroke of the numbers."*

- 50) Teams shall clearly **mark their pit stalls** with their car number. The car number shall be displayed so that officials from the hot pit side of the wall can easily see the number. Flags, banners, and/or signs may be used. Attaching a sign to the track-side of the canopy is sufficient. Also, tape may be used on the vertical surface of the hot pit wall. This rule supersedes the NASA Endurance Series rules regarding marking pit spaces. Teams must remove all tape and signage before leaving the facility.
- 51) **The start** will be double file, unless otherwise announced by the Race Director.
- 52) **All restarts** will be single file.
- 53) Once the **green flag** is displayed at the starters stand (for a start or restart) passing may resume anywhere on the course that is not controlled by yellow or red flags. There should be a corresponding green light displayed in Turn 14, when the starter displays the green on the front straight.
- 54) All E0, E1, E2, and E3 cars are required to drive to at least the **main road** before pulling into their paddock space during the race. The intent of this rule is to prevent those teams in the aforementioned classes that have end pit spaces from making "fast paddock stops."
- 55) Penalties will be served by the "timed" method as outlined in Section 9 of the *Endurance Racing Regulations*. If black flagged, do NOT stop in your pit stall. Report to Re-entry for consultation or to serve your time penalty. If any work is performed on a car that was black flagged for a penalty, the driver will be sent out for an additional lap and must return to serve the full penalty.
- 56) A team representative **MUST** be present in the pit stall at all times when the team's car is on course.
- 57) NASA and track management reserve the right to make any changes to anything regarding the event, its operation, rules, scheduling, course configuration and direction, barrier placement, etc. with only so much notice as time allows.
- 58) It is highly recommended that vehicles in the ES and ESR classes run amber tinted headlights. This can be done with amber covers or amber-colored tape.
- 59) Vehicles conforming to rules that specify a horsepower rating may be checked for compliance at the track, on MCE Racing's Dynojet. Teams are encouraged to check their rating on this dyno before the race to ensure compliance. Teams can contact them at 530-934-3237.
- 60) There will be a flashing red light mounted on the top of the Turn 14 flag stand. This light will signal that the pits are "closed." This is simply a driver aid and should the light system fail, the driver is still responsible to adhere to the rules. Note- pits are "closed" whenever there is a full course yellow. Please the Endurance Racing Rules for a full explanation of the available options when the pits are "closed."
- 61) If the race is stopped due to fog, the entire field will be parked on track. The drivers will be allowed out of their cars. This action will stop the clock. When the race resumes, the clock will start again and continue until 25 hours has elapsed or 3 PM is reached. Under no circumstances will the race finish later than 3 PM on Sunday.

FIA Approved Race Vehicles:

- 2003 Caterham R400 Challenge Cars (specifications and certification received and approved 10/23/03)

Schedule

(Subject to change without notice)

TBA