

Memorandum

To: All teams entered in the 25 Hours of Thunderhill

From: Jerry Kunzman, Event Director

Supplementary Rules and Regulations

- 1) No participant may **test**, or drive in any kind of event, at Thunderhill Raceway Park from November 24th through November 30th. The track will offer testing December 1st.
- 2) ALL teams check in with **NASA Registration**. Registration will open at 12noon on Friday, December 1st at Thunderhill Raceway Park and will be located on the first floor of the main building unless otherwise posted.
- 3) **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.
- 4) All fees must be paid in **UNITED STATES CURRENCY**. No checks from foreign banks.
- 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). NO OTHER EXCEPTIONS.
 - 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:*
http://www.nasaproring.com/norcal/events/paddock_rules.pdf
- 6) Each car is required to have one AMB **transponder**. One will be available at registration for a small rental fee, if needed. Each team may run two transponders in case of failure, at the team's discretion. Any team choosing to run two transponders MUST notify T&S.
- 7) **Access to the paddock** will be allowed for setup only starting on Thursday, November 30th. Portions of the paddock and/ or pitlane may be off limits for setup due to activity at the raceway. Setup will be allowed at the discretion of the raceway management. All paddock setup configurations MUST be approved by the NASA Officials. Teams arriving Wednesday night may park / camp on the paved roadway leading to the interior main gate. Any team doing so 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. 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.
- 12) There is a **sound limit** of 103 dBA from 8:00 AM until 6:00 PM on Saturday. The sound limit is 98 dBA from 6:00 PM Saturday for the remainder of the event. Sound is measured at 50 feet from the racing surface at any point around the track.

- a. Any car measuring more than 103 dBA at any time before 6PM will be black flagged immediately, and given ONE (1) chance to lessen to sound to less than 103 dBA (providing that they do not ignore or miss the black flag). Failure to reduce sound to the specified level will result in **immediate exclusion from the remainder of the event.**
 - b. Any car measuring over 98 dBA before 6:00 PM will cause a warning to be issued to the team. **NO black flagging will occur.** The team may fix the sound problem whenever they choose. However, after 6:00 PM, any car over 98 dBA that had a minimum of two (2) prior warnings before 6:00 PM will be **immediately excluded from the remainder of the event.**
 - c. Any car not previously warned for being over the sound limit, which violates the sound limit after 6:00 PM (98 dBA) will be given one (1) chance to reduce sound. [Other rules apply, see below.] Failure to reduce sound to the specified level will result in **immediate exclusion from the remainder of the event.**
 - d. Any car that completes LESS than one (1) lap after suffering a mechanical failure resulting in a sound level of more than 98 dBA, after 6:00 PM, will be given one (1) chance to fix the problem, unless previous warnings were given for mechanical failures.
 - e. Any car that completes MORE than one (1) lap after suffering a mechanical failure resulting in a sound level of more than 98 dBA, after 6:00 PM, will be **immediately excluded from the remainder of the event.** [In other words, if you lose your muffler, pull in immediately!].
- 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.
 - 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 will signal drivers to slow down, if they feel that they are over 25mph. If this signal is obeyed, there will 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.
 - 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 will be able to view the results live. More information will be posted about this system on the web site. Additionally, there should be an area in Race Central (main building, 1st floor). Do NOT go to T&S during the race unless asked to do so by an official or a NASA official gives permission. For more information check the announcement in another section of this document or check on the NASA official web site: <http://www.nasa25hour.com>
 - 19) *There is third-party wireless service at the track and covers most or all of the paddock. There is a subscription*
 - 20) *We will attempt to set up a chat room online with Race Control. This should be available for drivers and crew at the event to communicate with Control and get answers to questions.*
 - 21) The **Race Director will communicate** to all teams or specific teams via FRS two-way radio using Channel 7. These radios can be purchased anywhere including Wal Mart for about \$20. The Race Director will communicate important information for the team via the FRS radio signal. The teams **MUST** monitor it and relay messages to their drivers. Drivers may also monitor this channel. *Use of an ear piece is mandatory; as you will not be able to effectively hear the radio traffic without one.*
 - 22) No one may transmit on the following **FRS two-way** channels: 5, 6, 7, unless responding to a request from the Race Director, specifically for your team. Unprompted responses or other transmissions on FRS channel 7 will be cause for penalties including possible disqualification from the event.
 - 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, December 1st, 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, December 1st, 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 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) Please take your car to tech. Tech location will be near the center ramp. All cars must be teched before the race.
- 29) 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 /NABR racing cars are approved safety wise, providing that they meet full NASA or BMW Club racing published safety specifications.
- 30) **Addendum:** Changing of the tub (uni-body) or chassis is not permitted.
- 31) 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 November 15th, 2005.
- 32) **Pre-Registration will close** November 26th, 2006 at 1700 hours PST.
- 33) **NO REGISTRATIONS WILL BE ACCEPTED AFTER NOVEMBER 26th, 2006. REGISTRATIONS AT THE TRACK WILL NOT BE ACCEPTED. NO EXCEPTIONS!**
- 34) **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.
- 35) **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.
- 36) "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.
- 37) 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.
- 38) **No "Rookies"** are allowed to drive in this event. A "Rookie" is a driver with less than eight (8) races. Please see the definition of a "Rookie" in the CCR.
- 39) **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.
- 40) 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.
- 41) Using **colored lights** to identify the team's car at night is permitted providing that the lights and colors do not confuse other drivers. 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.
- 42) No vehicle may have more than two (2) fuel tanks / cells.
- 43) No vehicle may be capable of carrying more than forty four (44) gallons of fuel.
- 44) No series points (WERC) will be awarded for this race.
- 45) **ALL FUEL MUST BE PURCHASED THROUGH CL BRYANT.** The following Sunoco Racing Gas will be available (prices subject to change):
 - a. 92 Octane Unleaded at *TBA (going price LESS 50 cents per gallon!)*
 - b. 100 Octane Unleaded at *TBA (going price LESS 50 cents per gallon!)*
 - c. 110 Octane Leaded at *TBA (going price LESS 50 cents per gallon!)*
 - d. 87 Octane Unleaded (going price) – There will be 87 octane available at the track.

If you have special needs the track will work with you. There may be additional handling charges for special orders outside the scope of this arrangement.

Director's note: ~~You may be paying a little more for fuel at the track, however if everyone were to have their own fuel delivered there would be a huge surcharge for unloading and storage because of the codes and regulations. The track cannot handle the amount of fuel required without special and expensive arrangements~~

~~being made. This is why they have enlisted the help of CL Bryant, a licensed fuel distributor. By complying with this rule you are saving the cost of shipping to the track, unloading and handling charges, and storage charges; not to mention the hassle of handling large amounts of fuel and getting it to the track, possibly through illegal means. If you are caught bringing in unauthorized fuel, you will be disqualified from the event. The track is keeping a list of what is happening for each team with regards to fuel. Your team must be on that list. We still have the same logistical problems of handling and storing fuel at the track, if everyone was allowed to bring their own. So, you will still have to purchase fuel through the track. However, we have worked very hard to make a deal to subsidize fuel costs for this event. The tentative plan is that we will take the lowest price of each grade of gas being sold at Infineon Raceway and Laguna Seca Raceway during the time of the event and subtract 50 cents per gallon. This means that you will be paying 50 cents per gallon LESS for fuel that you can buy it at other tracks. We will have confirmation of this subsidy shortly.~~

- 46) **ALL TEAMS MUST FAX THE TRACK AT 530-934-7275 to report what they expect to use in fuel.** 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.
- 47) **Fueling rigs:** If you will need fuel in drums to replenish your rigs, you may request that a certain number of drums be brought for you. You do this through the track. However, it would be better to obtain one empty drum and attach it to a hand truck and fill that at the pumps, then take that to refill your rig. If you want drums delivered, CL Bryant will charge more. Bring a drum and fill it at the pumps!
- 48) **Transportation of fuel** will be monitored by the CHP and DOT Officials. Anyone caught bringing in their own fuel illegally will be cited and subject to disqualification from the event. If special arrangements are made through the track to transport your own fuel (rare exception!), then you must still comply with California state law. You cannot transport more than 119 gallons (check the latest laws to be sure of this limit) without special licenses, etc.
- 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!**

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) No fuel will be stored in the hot pit lane or on top of the hot pit wall. A crewmember(s) must be in physical control of any fuel cans on the wall or over the wall at all times.
- 52) There is no limit to the number of crewmembers over the wall during a pit stop. However, each person over the wall must be there to perform a function. In other words, there is no spectating from the hot pit lane.
- 53) Clarification of rule 8.13.1 from the Endurance Series rules: Crewmembers may be over the wall when their car enters the hot pit lane.

FIA Approved Race Vehicles:

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

Schedule

(Subject to change without notice!)

Thursday (Setup Day):

Access starting as early as 10am. This is a tentative setup day, meaning that the track reserves the right to deny access to certain parts of the facility if need be to accommodate a client that may be using the track that day (until 5pm).

From 5pm until midnight teams should be allowed access to all areas of the paddock. **NO SETUP OR UNLOADING until the event staff has approved your spot!** It is the teams' responsibility to setup properly, in a proper location, and obtain approval from the event staff. Those teams that setup without approval will be ordered to move or make changes. Failure to comply will result in a disallowance of entry. NO RACE ENGINES may be started after 6pm! We will attempt to start teching cars Thursday morning, even though tech does not officially open until Friday at noon. This means that we will tech your car early if you are ready. See tech section above.

Friday:

All day - track testing: Register and pay at the track. Call 530-934-4455 if planning to test.

12:00 noon – NASA Tech (officially) opens and Registration opens.

3:00 PM – Mandatory Pit Marshal meeting in Race Central.

4:45 PM – 5:15 PM warm-up / practice (103 dBA)

5:15 PM – 5:45 PM qualifying. (103 dBA) [No race engines after 6pm!]

6:30 PM – Drivers and Officials meeting at Race Central. **Mandatory for at least the team owner or authorized representative.** Driver attendance recommended.

Saturday:

7:00 – 9:00 AM Registration (Note: Registration closes at 9am sharp. No exceptions!)

9:00 – 9:30 AM Officials and Flaggers meeting at Race Central. (ANYONE may attend; driver's encouraged)

9:30 – 10:30 AM MANDATORY Pre-Grid. Any car not pre-gridded by 10:30 AM will start in the rear.

10:30 – 10:35 AM Warm race engines, crews perform last minute checks.

10:35 – 10:45 AM **ALL WORK MUST CEASE!** Military demonstrations, announcements, presentations.

10:45 – 10:50 AM **National Anthem** Drivers must NOT be in cars. All teams together with their car in silence.

10:50 – 10:55 AM Drivers belt in and prepare.

10:55 AM Five-minute board. Resume warming engines on COMMAND.

11:00 AM Pace car takes the track. (103 dBA)

6:00 PM Sound limit reduces to 98 dBA.

Sunday:

12:00 noon Checkered flag.

12:30 PM Awards ceremony on the first floor of the main building.

Notes

TENTATIVE as of 07/27/06

Food Service

Thursday concessions 10 AM – 4 PM

Friday concessions 6 AM – 3 PM

Saturday 5 AM until Sunday 3 PM (all night)

In addition to the usual menu the restaurant is planning on the following:

Breakfast Buffet (Saturday & Sunday):

Bacon, Sausage, Ham & Cheese Scramble, Variety of muffins and Danish, waffles, biscuits & gravy, juice and coffee, \$10 per person.

Lunch Specials:

Fried Chicken. Also sold in quantity for "take out." Comes with baked beans and coleslaw.

Pizza- sold by the slice or whole pizza

Fresh homemade Chili, Chicken Noodle Soup.

Nachos with cheese sauce and chili

Chicken strips & chips

Fish & Chips

Dinner Specials:

Tri-tip or country ribs with baked beans or mashed potatoes, coleslaw, biscuits, cookie.

Note- regular dinner menu items available.
