



Memorandum

To: All teams entered in the United Rentals 12/25 Hours of Thunderhill

From: Jerry Kunzman, Event Director

## Supplementary Rules and Regulations

- 1) **Safety** is the number one concern. All safety rules and regulations will be followed. There are special safety rules listed in the *Endurance Racing Series* rulebook, in addition to those listed in the *Club Codes and Regulations*. All team owners are responsible for the adherence to all safety rules and regulations.
- 2) No participant may **test**, or drive in any kind of event, at Thunderhill Raceway Park from November 27<sup>th</sup> through December 4<sup>th</sup>. The track will offer testing December 5<sup>th</sup>.
- 3) ALL teams including pre-registered teams must still check in with **NASA Registration**. Registration will open at 12noon on Friday, December 5<sup>th</sup> at Thunderhill Raceway Park and will be located on the first floor of the main building unless otherwise posted.
- 4) **Credentials** will be enclosed in the registration packages that are picked up at the track. All drivers and crew must display an event credential at all times.
- 5) ALL FEES MUST BE PAID IN **UNITED STATES CURRENCY**. No checks from foreign banks. (Yes, Canada is 'foreign;' no offense meant.) No third party checks, no food stamps, no Rolex watch trades, etc! U.S. cash on the barrelhead!
- 6) *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 is no bicycles or other "vehicles" allowed in the building.*
  - c. *No smoking in the building. This is against CA 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! Treat the facility as your own home... okay make that BETTER than your own home!*
- 7) Each car is required to have one AMB **transponder**. One will be available at registration for a small rental fee, if needed.
- 8) **Access to the paddock** will be allowed Thursday from 9am until midnight. Absolutely **NO UNLOADING or SETTING UP** until Friday, December 5<sup>th</sup> at 8am. All paddock setup configurations MUST be approved by the event staff. Teams arriving Wednesday night may park / camp on the paved roadway leading to the front 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!
- 9) 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.
- 10) There will be some **television coverage** 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.
- 11) 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](http://GoGoGear.com).
- 12) 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.
- 13) 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, that 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!].
- 14) There will be a crack down on **lights** this year. Obnoxious and / or blinding lights will be subject to "adjustment" per the rules. **No roof mounted lights allowed.**
- 15) **Pit space assignment** will be based on priority AND order of entry received. All major magazine entries will have first priority. Next will be given to those teams willing to use one space for more than one car. The more cars per space will fetch a higher priority. Ties will be broken by the order of entries received.
- 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. Teams with multiple cars may be asked to utilize less pit spaces. Any help in this area would be greatly appreciated, and will result in preferential treatment when choosing a pit space.
  - c. *Pit space assignment will begin November 10<sup>th</sup>, 2003. 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.*
- 16) 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.
- 17) There is **no gate fee** or admission charge for this event.
- 18) There should be a "Cal Trans" type **lighted signboard** so the officials can communicate messages to the drivers and teams. All messages posted on the signboard during the race will be considered official notices.
- 19) 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.
- 20) 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 near the center ramp that will have a T&S monitor available for your viewing convenience (located in the Shelby Deck Building). 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.nasaproracing.com/norcal/25hour/index.html>
- 21) The PA system broadcasts over **1200 AM radio** as well. This will NOT be a means to communicate to the teams; however monitoring this will help teams hear the P/A system announcements.
- 22) The **Race Director will communicate** to all teams or specific teams via FRS two-way radio using Channel 14. 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.
- 23) No one may transmit on the following **FRS two-way** channels: 11, 12, 13, or 14. Doing so will be cause for disqualification from the event.
- 24) All two-way radio VHF and UHF **radio frequencies** that will be used at this event MUST be listed on the team's entry form.
- 25) There will be two-way **radio communication support** at the track and will be able to handle most of your needs. Check the advertisement elsewhere in this document.

- 26) 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.
- 27) There will be an **open practice** session on Friday, December 5<sup>th</sup>, from 5:00 PM until 5:30PM, regardless of whether a team has previously signed up for testing.
- 28) The Race Director's intent is to provide a **qualifying** session on Friday, December 5<sup>th</sup>, between 5:30 PM and 6:00 PM.
- Those drivers that wish to be on track from 5:00 PM until 6:00 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.
- 29) The Race Director reserves the right to **change the qualifying method** at anytime. If something should prevent an accurate qualifying session, then the Race Director may choose another system per the rules.
- 30) 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.
- 31) **TECH WILL COME TO YOU!** Do not form a line. We have all day Friday. Tech is still your responsibility, so make sure that we do not miss you. We are coming to you to make it convenient, do not take advantage of this!!
- 32) 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 BMW Club racing published safety specifications.
- 33) **ALL FUEL MUST BE PURCHASED THROUGH CL BRYANT.** The following 76 Racing Gas will be available:
- 92 Octane Unleaded at \$3 per gallon
  - 100 Octane Unleaded at \$5 per gallon
  - 110 Octane **Leaded** at \$5 per gallon (note correction: **Leaded instead of unleaded**)
  - 87 Octane Unleaded (going price) – This is ONLY if enough teams order this.**
- 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.**
- 34) **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.**
- 35) **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!**
- 36) **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 without special licenses, etc.
- 37) All teams are reminded that no **55-gallon drums** of fuel are allowed in pitlane during the race, unless it is built into an approved refueling rig. Teams may bring a 55-gallon drum into the cold lane to replenish their fueling rigs, providing that a crew member physically keeps control of the drum at all times and promptly returns it to the paddock when finished. Transfer of fuel from said drum must be done using a pump through the small access hole in the drum. **(Note: "Small hole" does NOT refer to the vent hole. In other words, we don't want teams removing the entire tops of the drums.)**
- 38) Please remember that all **gas cylinders** containing more than 200 pounds per square inch of pressure, must be secured in an upright position, or must be enclosed in a protective structure so as to prevent both head breakage and to provide containment should the head break off. There will be no warnings. A \$75 safety violation fine will be issued immediately.
- 39) **Addendum:** Changing of the tub (uni-body) or chassis is not permitted.

- 40) There is a **restaurant** at the track and will be offering all meals (not free). The restaurant will be serving a full menu of items. This should be good food and a specific menu will be posted shortly.
- 41) Once the race starts no 12-hour team will be allowed to **change their entry** to the 25 hour. However, all 25 hour entrants will be scored in the 12-hour automatically.
- 42) The **entry fee for the 25-hour** race is \$995 for the car and up to four (4) drivers. This is the minimum entry fee. Teams must have at least four drivers listed; however there is no minimum or maximum driving time. Additional drivers are \$150 each. The entry fee for the 25-hour race covers the 12-hour entry fee as well.
- 43) The **entry fee for the 12-hour** race is \$450 for the car and up to two drivers. Teams must have at least two drivers listed; however there is no minimum or maximum driving time. Additional drivers are \$100 each.
- 44) Because there is no maximum driving time mandated, the race director will hold the team owner responsible for determining when and if a **driver is too exhausted** to safely operate the race car. The team owner MUST realize that safety comes before loss of any track position and should plan regular driver changes. If at any time the race director feels that a driver may be too exhausted to safely drive, he may order that the driver either retire from the race or get clearance from the NASA medical staff before continuing.
- 45) 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 December 1<sup>st</sup>, 2003.
- 46) **Pre-registration will close** on December 2<sup>nd</sup>, 2003. All other changes and additions must be done at the track.
- 47) Teams **registering at the track** will be charged an additional \$100, plus \$25 per driver. (Example: One team of four drivers that register at the track will cost \$200 in addition to the regular entry fee).
- 48) **Drivers being added** to a team at the track will be charged \$25 per driver per team.
- 49) **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.
- 50) There will be some **military demonstrations** prior to the start of the event. Parts of the demonstration will be VERY LOUD! Hearing protection is recommended. More specific information will be listed on the event's web page as it becomes available.
- 51) "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.
- 52) All rugs, carpets, cloths, etc. that become **soaked with fuel** shall be rinsed with water over a gravel area. Do not wet pavement! Do not store any fuel soaked material anywhere.
- 53) 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.

*FIA Approved Race Vehicles:*

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

## Schedule

### **Thursday:**

Access from 9am – 5pm will be allowed but may be limited to certain areas of the paddock. From 5pm until midnight teams will be allowed access to all areas of the paddock. **NO SETUP OR UNLOADING** until Friday, December 5<sup>th</sup>, at 8am! 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!

### **Friday:**

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

12:00 noon – NASA Tech and Registration opens.

5:00 PM – 5:30 PM warm-up / practice (103 dBA)

5:30 PM – 6:00 PM qualifying. (103 dBA) [No race engines after 6pm!]

6:00 PM – interviews with requested drivers will take place at Race Central.

## Saturday:

7:00 – 9:00 AM Late registration. **Additional fees apply.**

9:00 – 9:30 AM Driver's meeting. Mandatory for at least the team owner. Driver attendance recommended.

9:30 – 10:00 AM Officials and Flaggers meeting at Race Central. (ANYONE may attend; driver's encouraged)

10:00 – 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.

11:00 PM Signal for the end of the 12-hour portion. 12-hour drivers must pit. Awards given out Sunday noon.

Drinking allowed by those teams that are finished for the event (see CCR).

## Sunday:

12:00 noon Checkered flag.

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

## Marketing Partner Advertisements:



Gogogear.com is your best source for all types of graphics, lettering, custom apparel and promotional products. There is still time to get your orders in for this weekend's event. If you need any stickers or vehicle graphics, most orders can be done in less than a day. Team uniforms can be done almost as quickly as vinyl graphics but of course it depends on a lot of factors.

**PRIVATE SALE:** Between now and the day of the race, we are having a private sale just for you. Members who mention this ad shall receive 25% off on all reflective numbers ordered. Remember that at night your car is very hard to see especially for timing and scoring but also for your crew. Yes, there are electronic timing systems but there is still manual back up systems. And imagine getting falsely black-flagged because your car number was read wrong since it was hard to see. We have reflective material in a rainbow of colors in various grades to fit your budget.

We can have your order shipped by FedEx or UPS to your business, shop, or hotel. Please check out our online catalog at [www.gogogear.com](http://www.gogogear.com) or call 510-222-2601 for questions.



Need a motorhome for this event?

Cruise America, the leader in the RV rental industry, is supporting NASA racers across the United States with a great discount program as a benefit of your NASA membership. NASA racers can enjoy a discount off their RV rentals at any of the 147 Cruise America locations nationwide.

"The auto racing industry is a great demographic for us and NASA is the fastest growing sanctioning body in the U.S.," said Bob Caldarone, Marketing Manager for Cruise America. The 25 Hours of Thunderhill is around the corner and everyone is going to need a place to relax at the track. As many will tell you, for most people it makes much more sense to rent an RV than to buy one. One does not need to be concerned with maintenance, storage, and the other high costs associated with ownership. Rental just makes more sense.

Under the plan, NASA members can contact their local Cruise America location to make their reservations. Cruise America offers RVs of up to 30 feet in length that can sleep a family of 7. When making reservations, members would have to mention the NASA code of 1588 which entitles them to a 10% discount. It does not get easier than that.

For more information log on to [www.cruiseamerica.com](http://www.cruiseamerica.com)



## NASA 25 Hour Enduro Special from SAMPSON Racing Communications

**Only \$799** (Save \$230 off retail)

### For the Car:

1. Tekk NT-90 UHF 5 Watt Radio, 1100mAh battery, Antenna and Overnight Charger (Programmable to your race teams needs!)
2. Complete Car Harness
3. Radio Holster
4. Wheel Mount Push-to-Talk w/ coil cord
5. Roof Mount External Antenna Kit.

### For the Crew:

1. Tekk NT-90 5 Watt Radio, 1100mAh battery, Antenna and Overnight Charger. (Programmable to your race teams needs!) same as driver
2. Over-The-Head Headset, Duel Muff, PTT in Ear Cup, Noise Canceling Boom Mic, Volume Control
3. Detachable Coil Cord
4. *Easy to Understand Instructions and Hardware Included.*

### For the Team:

1. 2 Extra Tekk NT-90 1100mAh Batteries
2. 1 Quick Charger.
- **Not included Driver Helmet Kits-\$144** Helmet Kit w/ Noise Canceling Flex Boom Mic, Molded "Y" Block and Foam Tip Ear Buds (Upgrade to Custom Ear Buds for only \$97).

The SAMPSON Racing Communications Trailer will be located in the center of the paddock. We will have a full supply of communication equipment and supplies on hand for your last min needs! Please feel free to visit the web site for any extra needs [www.sampsonracing.com](http://www.sampsonracing.com) . We look forward to working with your team and being a Working Sponsor of the NASA 25 Hour Enduro!

Sampson Communications

[www.SampsonCommunications.com](http://www.SampsonCommunications.com)

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Northern California NASA is pleased to announce that Timing & Scoring information for all future events, including the upcoming 25 hour endurance race December 6-7 at Thunderhill Raceway Park will be available for all to access directly from pit and paddock. To receive and display T&S data you will need a computer, the RMonitor program and a MaxStream 9XStream-PKG-9 radio modem.

The RMonitor program and instructions are available for download [http://www.nasaproring.com/norcal/rmon\\_instructions.html](http://www.nasaproring.com/norcal/rmon_instructions.html)  
The MaxStream 9XStream-PKG-9 radio modem, model X09-019PKC-RA, may be ordered from MaxStream directly at 866-765-9885. The price is regularly \$250.00, mention your NASA membership and you will receive a discount price of \$225 plus shipping. NASA thanks MaxStream ([www.MaxStream.net](http://www.MaxStream.net)) for their support in offering this opportunity for our members. The MaxStream 9XStream package includes: (1) XStream Stand-Alone Radio Modem; (1) 1/2 wave dipole antenna; (1) DB-9 male to DB-9 female serial cable; (1) Null modem adapter; (1) Serial loopback adapter; (1) 9 Volt battery adapter; (1) ac adapter, (1) CD with documentation and software for configuration. There is no configuration of the modem required, simply connect the ac adapter, and the serial cable.