

**Best In The Desert Racing Association / The American Off-Road Racing Series** rules and/or regulations set forth herein are designed to establish minimum acceptable requirements and to provide for the orderly conduct of racing events.

**Effective January 1, 2012** these rules and regulations will govern all

**Best In The Desert Racing Association / The American Off-Road Racing Series** events.

All **Best In The Desert Racing Association** members willingly participating in these events are deemed to have complied with these rules and/or regulations. No express or implied warranty of safety shall result from publication of, or compliance with these rules and/or regulations. These rules and/or regulations are in no way a guarantee against injury or death to participants, spectators, or any other person or persons. They are intended as a guide for the conduct of the sport only.

**Best In The Desert Racing Association / The American Off-Road Racing Series** rules and/or regulations are the sole property of **Best In The Desert Racing Association**.

Use of these rules and/or regulations by any other organization or individual is forbidden, unless Best In The Desert Racing Association grants prior written approval and consideration is received by **Best In The Desert Racing Association**. **Best In The Desert Racing Association**, its members, officers, directors, or staff assume no responsibility, legally or otherwise, for failure or malfunctions of any product or products of recognized manufacturers listed in the rules and/or regulations herein. **Best In The Desert Racing Association** is not liable for decisions and/or actions made by individuals, promoters, organizations or others using **Best In The Desert Racing Association / The American Off-Road Racing Series** rules in whole or in part. Specifications and/or regulations contained in this rulebook are intended for use as a guide with respect to safety and for that purpose only. **Best In The Desert Racing Association** assumes no responsibility for consequences resulting from their voluntary application by any association, organization, manufacturer or individual.

**Note: Best In The Desert Racing Association** reserves the right to change the Rulebook as deemed necessary. These changes may occur at the beginning of each year, or throughout the year.

**Revisions made on 1/1/2012: Pg 14 SEC16, Pg 17 SDC5, Pg 20 SCR1, Pg 23**

**SCR19: Lights, Pg 26**

**SCR26: Transmissions, Pg 34 SCR24, Pg 37 Class 5000, Pg 52-53 SCR24,**

**SCR39, SCR49, Pg**

**67 SCR49: Chassis & Body, Pg 67 SCR49: Chassis & Body.**

## **TERMINOLOGY DEFINITIONS**

The terminology, definitions and abbreviations contained herein shall be used in the **Best In The Desert Racing Association/ The American Off-Road Racing Series** rulebook, supplementary rules, entry forms, and newsletters and for general use.

### **RULE USAGE**

**BEST IN THE DESERT RACING ASSOCIATION PROMOTION:** Any and all racing related events fully produced by **Best In The Desert Racing Association**.

**BEST IN THE DESERT RACING ASSOCIATION CO-PROMOTION:** Another promoter working with **Best In The Desert Racing Association** to promote an event.

**BEST IN THE DESERT RACING ASSOCIATION SANCTION:** The documentary authority to organize and conduct an event as granted by **Best In The Desert Racing Association**.

### **ORGANIZATION TERMINOLOGY**

**BEST IN THE DESERT RACING ASSOCIATION:** The promoter.

**EVENT:** A contest between one or more vehicles competing against the clock and/or directly against each other.

**CLASS:** A class is a category of vehicles as determined by engine size, seating capacity or any other method listed in this **Best In The Desert Racing Association/The American Off-Road Racing Series** rulebook. Classes may be combined at the discretion of **Best In The Desert Racing Association**.

**Pro** class entrants will be eligible to receive trophies, contingencies, and monetary awards in respect to their finishing position.

**Sportsman** class entrants will be eligible to receive trophies and contingencies only in respect to their finishing position.

**Note:** To qualify for the **Best In The Desert Racing Association/The American Off-Road Racing Series** year-end points championship and year-end points money, competitors must enter *all Best In The Desert Racing Association/The American Off-Road Racing Series car/truck points* events during the year.

**ENTRANT:** A **Best In The Desert Racing Association** member whose entry is accepted for an event.

**DRIVER OF RECORD:** The person listed on an official **Best In The Desert Racing Association** entry form to be the main operator of a vehicle entered in an event. The driver of record must sign all entry and release forms in person during the normal registration time in order to be eligible for points, prize money, and contingency awards in that event. Identification may be required during registration. Special consideration registration may be permitted with advanced approval of **Best In The Desert Racing Association**.

**CO-DRIVER:** A person listed on an official **Best In The Desert Racing Association** entry form as a cooperator of a vehicle that is eligible to drive or ride during the course of the race. The co-driver must sign all entry and release forms in person during the normal registration time at the same time as the driver of record is signing all entry and release forms. Identification may be required during registration. Special consideration registration may be permitted with advanced approval of **Best In The Desert Racing Association**.

**CONTESTANT:** A person listed on an official **Best In The Desert Racing Association** entry form to compete in a race as either a driver or co-driver.

## **OFFICIALS**

**DIRECTOR:** The chief executive officer of the Best In The Desert Racing Association, responsible for the conduct of all business transactions and race events of the organization. All other officials report directly to the Director. The Director has the final decision on all issues involving any **Best In The Desert Racing Association** events. The Director has full discretion to make any final determinations, judgments or penalties in relationship to all **Best In The Desert Racing Association** rules and/or regulations.

**CHIEF STEWARD:** The associate executive officer of the Best In The Desert Racing Association, sharing responsibility for the on-course conduct of all race events, and carrying out other responsibilities as assigned by the Director.

**RACE OFFICIAL:** All individuals designated by the Director or Chief Steward to officiate at a Best In The Desert Racing Association event.

**COURSE MARSHALS:** The race officials appointed by the Best In The Desert Racing Association to assist the Chief Steward in the on-course conduct of a race event.

**CHIEF TECHNICAL INSPECTOR:** The race official appointed by the Best In The Desert Racing Association to direct the inspections of entrant's vehicles before and after each event, for technical and safety compliance with the Best In The Desert Racing Association's The American Off-Road Racing Series rulebook.

**ASSISTANT CHIEF TECHNICAL INSPECTOR:** The race official appointed by the Chief Technical Inspector and Best In The Desert Racing Association to assist the Chief Technical Inspector. The Assistant Chief Technical Inspector shall perform all duties of the Chief Technical Inspector in the event the Chief Technical Inspector is not available. The Assistant Chief Technical Inspector shall carry out all other duties as assigned by the Director and / or Chief Technical Inspector.

**SCORING DIRECTOR:** The race official appointed by the Best In The Desert Racing Association to direct the timing and scoring operations of a race event.

**COMMUNICATIONS DIRECTOR:** The race official appointed by the Best In The Desert Racing Association to direct the radio communications network operations of a race event.

**CHECKPOINT CAPTAIN:** A race official appointed by the Best In The Desert Racing Association to direct the operations of their checkpoint and the immediate area around the checkpoint.

**PAVED ROAD CROSSING CAPTAIN:** A race official appointed by the Best In The Desert Racing Association to direct the operations of their paved road crossing and the immediate area around the paved road crossing

**PIT STOP CAPTAIN:** A race official appointed by the Best In The Desert Racing Association to direct the operations of their pit stop and the immediate area around the pit stop.

**STARTER:** The person responsible for starting an event by displaying the appropriate flags and/or lights, as directed by the Chief Steward.

### **EVENT TERMINOLOGY**

**SUPPLEMENTARY REGULATIONS:** Regulations that define special or additional rules for a specific event.

**IMPOUND:** A specific place with restricted access designated for the containment of all race vehicles immediately before and/or after an event.

**CONTINGENCY:** A contingency is the commitment made to **Best In The Desert Racing Association** by verbal or written contract with a manufacturer, company or individual to post or pledge a certain amount of cash or product as an award to contestants. Contestants must apply for, be approved by and meet requested requirements as set by the manufacturer, company or individual posting the contingency. Decals are generally required and must be assumed to be required unless otherwise stated. Unless otherwise stated the contestant must finish the event in order to be eligible.

**PAYBACK:** The share of the purse that an entrant receives for finishing a race in a paying position. Only actual finishers qualify for a share of the monetary purse.

### **RULES SECTION ABBREVIATIONS**

**SGR: GENERAL RULES**

**SGE: ENTRANTS**

**SGD: DISQUALIFICATION**

**SEC: EVENT COURSE**

**SGP: PROTESTS**

**SIP: INFRACTION PENALTIES**

**SDC: DRIVER / RIDER, CO-DRIVER / CO-RIDER**

**SGPT: PITS**

**SGT: TECH-INSPECTION and IMPOUND**

**SCR: COMPETITION REGULATIONS**

## **GENERAL RULES**

**SGR1:** Off road racing is a hazardous sport in as being such, no entrant, pit crew member or vehicle sponsor shall have any claim for damages, expenses, lawsuits or otherwise against promoter, track operator, **Best In The Desert Racing Association**, its officers, agents or directors arising from damage to any vehicle, personal injury or death, or monetary loss of any kind whatsoever.

Entrants, pit crew members or vehicle sponsors who voluntarily participate in any racing activities conducted under these rules, waive any claim they may have against promoter, track operator,

**Best In The Desert Racing Association**, its officers, agents or directors.

**SGR2:** The promoter or track operator may run any type of approved **Best In The Desert Racing Association** event.

**SGR3:** The director or chief steward shall have the authority to penalize, disqualify and/or suspend any entrant or crewmember for the violation of these rules including special rulings and supplementary regulations.

**SGR4:** **Best In The Desert Racing Association** may issue special rulings to account for conditions presented by the location of the race, the condition of the course or any other circumstance.

**SGR5:** Special rulings and specifications will be considered as official amendments to the list of rules and regulations when issued by **Best In The Desert Racing Association** in written form in official **Best In The Desert Racing Association** publications.

**SGR6:** Supplementary regulations may be issued for each event as necessary to amend, suspend or modify existing rules and regulations. Supplementary regulations will not be considered official until released in written form in official **Best In The Desert Racing Association** publications.

**SGR7:** **Best In The Desert Racing Association** assumes no responsibility whatsoever for delays, postponements and/or cancellations of all or part of an event because of inclement weather, unsafe course conditions and/or any other reason.

**SGR8:** The director and chief steward will have the responsibility for the conduct of any event conducted under these rules. All official race personnel will be directly responsible to the director and chief steward.

**SGR9:** The director shall have the authority to penalize any entrant (up to and including disqualification and/or suspension) found to have committed violations of driver's rules and/or conduct.

**SGR10:** No one falling under the jurisdiction of any race official(s) at any **Best In The Desert Racing Association** event shall subject said official(s) to improper language, physical abuse, threats or any other demeaning action.

**SGR11: Best In The Desert Racing Association** members are not employees of **Best In The Desert Racing Association**. **Best In The Desert Racing Association** members assume all responsibility for all charges, premiums and taxes payable on any funds they may receive as a result of their participation in any **Best In The Desert Racing Association** sponsored event(s).

**SGR12: Best In The Desert Racing Association** reserves the right to refuse and/or deny any entry application or person.

**SGR13: Best In The Desert Racing Association** uses the frequency of **151.490Mhz** as a main race channel. **Best In The Desert Racing Association** reserves the right to change the main race channel frequency if deemed necessary. **Best In The Desert Racing Association** will make all reasonable efforts to notify all entrants of the new frequency. All radio or other transmissions, which affect **Best In The Desert Racing Association** control communications, are strictly prohibited except in the case of medical emergencies.

**SGR14:** The checkpoint captains are the direct representatives of the chief steward at their respective checkpoints. Their area of responsibility includes 50 yards on either side of the checkpoint.

**SGR15:** Checkpoint captains will designate areas leading to and surrounding the checkpoint area. This area is for checkpoint personnel only. No support teams, pit crews, chase crews or any other person without expressed permission will be permitted in this area. Failure to comply will subject the entry to penalties of up to and including disqualification.

**SGR16:** Classes may be combined at the discretion of **Best In The Desert Racing Association**. The combining of classes is for the sole purpose of allowing entrants to race. Entrants will be eligible for position money of the combined class and will be awarded points in their respective classes.

**SGR17:** The director shall have the authority to penalize, disqualify and/or suspend any entrant for violations of vehicle technical rules.

**SGR18:** The Director has the final decision on all issues involving any **Best In The Desert Racing Association** events. The Director has full discretion to make any final determinations, judgments, suspensions or penalties in relationship to all **Best In The Desert Racing Association** rules and/or regulations.

## **ENTRANTS**

**SGE1:** Any entrant who fails to fully fill out and sign required entry forms and releases shall be disqualified and shall forfeit any prize money, points and contingencies won in that particular event. Entry forms and releases must be signed in person in front of **Best In The Desert Racing Association** entry personnel. Identification may be required.

**SGE2:** No entrant may enter racing areas until they have signed all releases and/or entry forms. No person shall sign the release or entry forms for anyone other than himself or herself. Proper identification may be required (i.e., picture ID).

**SGE3:** The entry applications of persons under the age of 18 must have a parent or legal guardian sign the release form. All entrants under 18 years of age must have entry form notarized.

**SGE4:** Any entrant who competes in a vehicle that he/she is registered to drive or co-drive must sign all of the documents with Best In The Desert Racing Association. If all documents are not signed with Best In The Desert Racing Association it may result in a vehicle disqualification.

**SGE5:** Deliberate abusive nerfing or bumping shall be reason for penalty, disqualification and/or suspension at the discretion of the director.

**SGE6:** All drivers and co-drivers of record as listed on the official **Best In The Desert Racing**

**Association** entry form must attend all drivers/riders meetings. Failure to do so may result in penalties of up to and including disqualification and/or fines.

Armband checks and written roll calls may be made at the meeting.

**SGE7:** If a driver of record change is made after entrant has completed event registration, the starting position will be forfeited and the entrant will start at the rear of their class.

**SGE8:** A driver will not permit any other person other than a registered co-driver in the co-drivers normal riding position. The driver shall not permit anyone to ride on or in any part of his or her vehicle other than the normal riding positions.

**SGE9:** No entrant, crewmember, pit personnel or any other person(s) other than the director, chief steward or a **Best In The Desert Racing Association** official shall remove, alter or relocate course markings. The person(s) found to have removed, altered or relocated course markings may be disqualified and/or immediately removed from the area and may be refused access to future **Best In The Desert Racing Association** events.

**SGE10: Pre-Fun-Run** and course knowledge obtained thereof is the responsibility of every entrant of the **Best In The Desert Racing Association/The American Off-Road Racing Series** events. The **Pre-Fun-Run** must be done in a safe and sensible manner and may be restricted or denied due to federal and/or state regulations. Unsafe and/or irresponsible driving during the **Pre-Fun-Run** may subject entrant to penalties of up to and including disqualification, suspension, fines up to one hundred dollars (\$100) or any combination of the aforementioned three penalties at the discretion of **Best In The Desert Racing Association**. There will be no pre-running or practice done in event-registered race prepared vehicles on or near the marked official **Best In The Desert Racing Association** racecourse. Participants in the **Pre-Fun-Run** with open cockpit vehicles or motorcycles must

wear full personnel protective gear. **NOTICE:** Participation in the **Pre-Fun- Run** is at entrants' own risk.

**SGE11:** Failure to appear before the director when requested may result in a letter of reprimand and/or infraction penalty at the discretion of the director. Failure to appear before the director when requested twice within a race season may result in an infraction penalty and/or suspension for up to one year at the discretion of the director.

## **DISQUALIFICATION**

**SGD1:** Drinking intoxicating beverages in the official pre-race technical inspection area and post race areas (i.e., impound, etc.), pits, on the racecourse or in the surrounding areas by any person is strictly forbidden. The use of narcotics (amphetamines or any other stimulants, barbiturates or other depressants) is forbidden. Any entrant or crewmember in an event that shows evidence whatsoever of being under the influence of any of aforementioned shall be subject to suspensions from all future **Best In The Desert Racing Association** sponsored events. Violator must leave the premises immediately at the direction of the chief steward or the Director.

**SGD2:** Any entrant who makes a false statement on a contingency or entry form shall be disqualified and shall forfeit all prize money, points and all contingencies won in the race. Entrant may also be suspended from future events for a period of one year.

**SGD3:** Any entry application containing a falsified signature will cause entrant to be disqualified and shall forfeit all prize money, points and contingencies won in that event. Entrant may also be suspended from future events for a period of one year.

**SGD4:** Any entrant disqualified from any event for any reason whatsoever forfeits any and all rights to prize money, points and contingencies. Entrant will not be entitled to a refund of all or any portion of his/her entry fee.

**SGD5:** Any entrant, respective pit crews or support crews seen or reported traveling on the course in other than race-registered vehicles participating in the event before the end of the official race time limit may subject entrant to penalties of up to and including disqualification and/or suspension. **There is no outside assistance permitted on the course or near the course during the event except for those Best In The Desert Racing Association designated areas set-aside for pits and/or gas stops. Best In The Desert Racing Association** retains the right to assess each situation and respond accordingly. (Situations involving safety are at the discretion of the Chief Steward or Director of **Best In The Desert Racing Association**. In the event that a vehicle breaks down on the course Best In The Desert Racing Association approves the following options. Any deviation from these options may result in entrant being disqualified.



1) Driver or Co-driver who is with vehicle at time of breakdown may walk to and from the nearest official **Best In The Desert Racing Association** designated pit stop only, in order to retrieve equipment or parts necessary to repair vehicle. Anyone other than the vehicle occupants that deliver equipment or parts will subject that vehicle to disqualification. Obtaining equipment or parts from any other location than an official **Best In The Desert Racing Association** designated pit stop will subject entrant to disqualification.

2) Another race-entered vehicle may pick up equipment or parts at the previous official **Best In The Desert Racing Association** designated pit stop and then deliver that equipment or parts to broken down vehicle. The race vehicle picking up the equipment or parts must travel in the proper direction on the course. Traveling backwards on the course will subject both entrants to disqualification. Any pit support vehicle or other than raced entered vehicle delivering parts to a broken down vehicle will subject entrant to disqualification.

**SGD6:** Any race entrant or their support personnel who subject any **Best In The Desert Racing Association** official, other race entrants or their support personnel to verbal threats and/or physical abuse will be brought before the director. The director will make the decision of disqualification and/or suspension of the driver/rider of record and the offending support personnel for said offenses. Acts of physical abuse may be reported to the proper authorities and may lead to legal action.

## **EVENT COURSE**

**SEC1: Best In The Desert Racing Association will set the maximum duration and length of an event.**

**SEC2:** An entrant's official time shall be the total elapsed time from their assigned starting time to the time they cross the official finish line. The elapsed time must be less then the official time length of the event. If an entrant does not report to the staging area in time to stage in their respective starting position, the entrant will be placed in the rear of their class. If the last of their class has already started, the entrant will be started in the next available position solely at the discretion of **Best In The Desert Racing Association**. In all cases if the entrant does not start at their assigned time, their time will start from their assigned starting time, not their actual starting time.

**SEC3:** The winner of each class shall be the entrant that finished the race with the lowest elapsed time or the most laps within the event time limit. The entrant must also meet all other criteria in order to be declared the official winner.

**SEC4:** All entrants must report all accidents and/or breakdowns they may have witnessed. Entrant must inform a **Best In The Desert Racing Association** official at the next stop check point, paved road crossing, pit stop or by radio (if so equipped) of the location, vehicle number, and injuries, if any.

All entrants must retrieve a stuck stub from any other entrant who is displaying the stuck stub in the air and deliver the stuck stub to an official at the next paved road crossing, stop check point or pit stop that they come to or a Best In The Desert Official.

**SEC5:** Two battery-operated red flashing beacons, two long glow sticks or two red reflective devices must be carried in the vehicle. Reflective devices must be at least 12 inches high and 12 inches long and be free standing (similar to trucker's breakdown triangles). Beacons, glow sticks or reflective devices must be placed at least 200 feet and 20 feet behind any breakdown or accident and be placed beside the track on the same side of track as the vehicle.

**SEC6:** Passing is not permitted within 300 feet on either side of any paved road crossing or stop checkpoint, except at the direction of a **Best In The Desert Racing Association** official. Failure to comply, subjects entrants to penalties of disqualification or a time penalty of 15 minutes for each occurrence at the discretion of the director.

**SEC7:** Any entrant who must discontinue the race must report, in person or via the stuck stub, to a checkpoint, paved road crossing, pit stop or start/finish that they are out of the race.

**SEC8:** No aircraft permitted for the purpose of race support. This includes but is not limited to flying over any race vehicle; transportation of drivers/riders and or support crews (unless a medical emergency exists); communication with race vehicle; spotting for race vehicle; transportation of equipment and/or parts; landing on or near the race course in areas other than approved by **Best In The Desert Racing Association** and within FAA rules; flying too low; and interfering with the normal conduct or actions of the event. Violation of this rule may lead to entrant's disqualification.

**Note: Requests for aircraft special use (i.e.: filming, observing, etc.) must be submitted to Best In The Desert Racing Association in writing. Requests must include the radio frequencies (helicopter or airplane frequency and race team frequency) to be used and must be submitted no later than one week prior to scheduled event. Any request received during the week prior to the event will not be considered.**

**SEC9:** Starting procedures will be announced at the drivers/riders meeting prior to each event.

**SEC10:** Every vehicle must leave the start line at its designated start time. Only those vehicles that cross the finish line within the designated time limit will be declared official finishers. **Every vehicle must come to a complete stop and pass through all stop checkpoints. The failure to stop and pass through all checkpoints along the course will subject that entry to penalties of up to and including disqualification at the discretion of the director. Every vehicle must**

**come to a complete stop at all Best In The Desert Racing Association designated paved road crossings. The failure to stop at all designated paved road crossings along the course will subject that entry to penalties of up to and including disqualification at the discretion of the director.**

**SEC11:** All vehicles must enter each stop checkpoint or paved road crossing at a safe speed. Unsafe racing into and/or through any stop checkpoint or paved road crossing is prohibited. Speeding through a stop checkpoint or paved road crossing is automatic disqualification. Rolling through a stop checkpoint or paved road crossing is a minimum *fifteen-minute* time penalty for each occurrence.

Safe speed is defined as a speed at which a vehicle may make a controlled stop without endangering anyone within the immediate vicinity of the checkpoint, paved road crossing or pit areas.

**SEC12:** All entrants may be checked for their armband and all vehicles may be checked for the technical inspection sticker at any or all checkpoints or paved road crossings. Every entrant is responsible for his/her armband and vehicle technical inspection sticker. Any entrant found not to have an armband or vehicle without technical inspection sticker may cause that vehicle to be disqualified.

**SEC13:** No vehicle shall be towed, pushed, pulled or transported by any non-race-entered vehicle on the official course while an official event is still in progress.

Another race entered vehicle or an official **Best In The Desert Racing Association** vehicle may push, pull or tow the race-entered vehicle up to the nearest pit stop or checkpoint but may not push, pull or tow it **through** the pit stop or checkpoint. Occupants of the vehicle that is pushed pulled or towed to that point must make necessary repairs in order to leave that area under their own power. No vehicle may be pushed, pulled or towed by another vehicle within the last **two-hundred yards (200 yards) of the finish**; only the vehicle occupants at the time of the breakdown may push the vehicle through the finish line. No other person or persons will be permitted to assist in pushing, pulling or towing the vehicle. **Best In The Desert Racing Association** officials may lend assistance to any race vehicle or the vehicle occupants in any manor **Best In The Desert Racing Association** deemed reasonable, such as retrieving the vehicle, pulling the vehicle, shuttling parts, tools and equipment, etc.

**SEC14:** Any individual may be registered as the **Driver of Record** for more than one vehicle at the same event. The **Driver of Record** can be registered in another race vehicle as driver/rider 2, 3, or 4.

**SEC15:** A marked course is that official route designated by and marked with official **Best In The Desert Racing Association** markings. All vehicles must follow this route during the event. No vehicle may deviate from the marked course at any time unless the course is wide enough to pass. Passing is only permitted where there is no vegetation on the side of the course. Short coursing is not

permitted and will result in disqualification. Short coursing is defined as any deviation from the marked course for any reason other than passing. No deviation from marked course including passing is permitted in sensitive areas. Deviation from the marked course in these areas is automatic disqualification. Sensitive areas are those, which are, marked by **Best In The Desert Racing Association** markings and DQ signs. **Best In The Desert Racing Association** is not responsible for markings that are damaged or removed. All vehicles must drive only in the correct direction of the course route or trail. Driving backwards on the racecourse at any time is prohibited. Driving backwards on the course is grounds for penalties of up to and including disqualification and/or suspension.

**SEC16: Points** – All Drivers of Record must be ENTERED & Race Vehicle must START in ALL races to be considered for a Year-End Championship podium position. The DOR must get in the vehicle during each race to be considered for a year-end championship (with exception see SDC5 pg 17.) Points awarded for miles on course, determined by the last Best In The Desert Stop Check vehicle cleared on the course if you DNF. All year-end ties are determined by the finishing record of the entrants involved. **A Tie** - If there is a tie after your points are computed, after the throw-out race, then the tie will be determined by whoever finishes the best at the last race of the year.

## **PROTESTS**

**SGP1:** The director, with or without protest, has the right to penalize, fine, disqualify, and/or suspend any vehicle or entrant for violation of any **Best In The Desert Racing Association/The American Off-Road Racing Series** rules.

Another entrant within the same class may make technical protests as the entrant being protested. A five hundred-dollar (\$500) cash fee must accompany protests for each item protested. The protest must be in writing along with the fee and be delivered to the chief steward or Director no later than 30 minutes after the official end of time limit. If the protest is proved valid the \$500 fee will be returned to the protestor. If the protest is proved invalid the \$500 goes to the person who was protested. Protests considered by the chief steward that shows a lack of sportsmanship may not be accepted. The chief steward will direct the technical director to check the protested items. The decision of the race steward and director will be final. Interpretation of all rules along with violations and penalties thereof are at the discretion of **Best In The Desert Racing Association**. Penalties levied at the discretion of **Best In The Desert Racing Association** are final.

**SGP2:** Any entrant who has an official protest lodged against his/her race vehicle must submit to an inspection of the protested items. Failure to submit to inspection will result in automatic disqualification and/or suspension. Those attending the inspection(s) will be as follows: A. The protestor or their designated representative.

- B. The protested competitor or their designated representative.
- C. The protested competitor's mechanic.
- D. **Best In The Desert Racing Association** officials.
- E. **Best In The Desert Racing Association** Chief Technical Inspector who shall supervise the required inspection of the protested items(s).
- F. At the discretion of **Best In The Desert Racing Association**, with the approval of the protested competitor, members of the press will be permitted to observe for reporting purposes only.
- G. No other persons shall be present nor witness the proceedings until the inspection has been completed.

**SGP3:** A complaint filed for improper driving or conduct does not require a cash fee. The complaint must be filed in writing with the chief steward or director no later than 30 minutes after the official time limit of event. A complaint may be verbally filed with any radio equipped **Best In The Desert Racing Association** official if entrant filing the complaint is broken down on the track. The official will notify the chief steward or director of the complaint. The entrant against whom the complaint is filed will be held in impound until complainant arrives at the impound area. The complainant must make every effort to arrive at the impound area within one hour after the official end of event.

### **INFRACTIONS & PENALTIES**

**SIP1:** The following legend of infraction penalties is a guideline used by **Best In The Desert Racing Association** in assessing penalties. These guidelines are not meant to infer that these are the only possible infractions or penalties that may be assessed against any entrant participation in a **Best In The Desert Racing Association** sponsored event.

- A. Failure to appear before the chief steward and/or director when requested: Letter of reprimand and infraction penalty.
- A2. Second failure to appear before the chief steward and/or director when requested within one season: Infraction penalty and suspension for up to one year.
- B. Three or more letters of reprimand in a single **Best In The Desert Racing Association** season: Loss of one position in last race entered.
- C. Rolling through a stop checkpoint (i.e. failure to come to a complete stop): *Fifteen* minute time penalty each occurrence.
- D. Speeding through and/or unsafe racing up to or through a stop checkpoint: Disqualification.
- E. Race vehicle traveling on the racecourse in the reverse direction of the race, before the official end of the event: Disqualification.
- E2. Pit support vehicles traveling on the racecourse before the official end of event: Disqualification.

E3. Pits (stationary, roving or chase) located in any areas other than those areas officially recognized as pit areas as designated by **Best In The Desert Racing Association**: Disqualification.

F. Minor nerfing: One position.

G. Major nerfing: Disqualification.

H. Abusive conduct toward a race official: Disqualification, suspension, one hundred dollar (\$100) fine or any combination of the three.

I. Short coursing: Disqualification.

J. Stationary pits or chase crews outside of designated areas or traveling in restricted areas: Disqualification.

K. Reckless driving in pit areas or any access roads by race vehicle or race support vehicles: Disqualification.

L. Speeding in a restricted speed area up to 10mph over announced or posted speed limit by race vehicle or race support vehicles: One position.

M. Speeding in a restricted speed area over 10mph over announced or posted speed limit by race vehicle or race support vehicles: Disqualification.

N. Any combination of two or more infractions at any one **Best In The Desert Racing Association** sponsored event: Disqualification.

O. Rolling through a paved road crossing (i.e., failure to come to a complete stop): 15 minute time penalty each occurrence.

P. Speeding through and/or unsafe racing up to or through a paved road crossing: 15 minute Time Penalty or Disqualification.

**SIP2:** The Director has the final decision on all issues involving any **Best In The Desert Racing Association** events. The Director has full discretion to make any final determinations, judgments, suspensions or penalties in relationship to all **Best In The Desert Racing Association** rules and/or regulations.

### **DRIVERS— CO-DRIVERS**

**SDC1:** Each seat in any race vehicle must be occupied during the entire duration of the event as long as vehicle remains in competition. The maximum number of seats allowed in any Class is three (3). Seating must be designed in such a fashion to allow all passengers a quick exit and must meet with **Best In The Desert Racing Association** approval.

**SDC2:** Only entrants that are listed on official **Best In The Desert Racing Association** entry form may drive or co-drive in the vehicle for which they are registered. In the event in an emergency, any registered arm-banded racer may get in the race vehicle, but the registered racer must get approval from a Best In The Desert race official. Registration is limited to a maximum of four entrants per vehicle.

**SDC3:** **Best In The Desert Racing Association** reserves the right to change race vehicle numbers and/or background colors.

**SDC4:** The driver of record must sign all entry forms and releases in person during the registration period to be eligible for points during that event. Identification may be required. Special consideration registration may be permitted with advanced approval of **Best In The Desert Racing Association**.

**SDC5:** Only the Driver of Record will receive points. The race vehicle number will be assigned to the Driver of Record for the entire year. The Driver of Record must enter all points events to become a class champion. The points stay with the Driver of Record and the vehicle number for the entire year. Driver of Record does not have to start or finish, but must be registered to the race vehicle and must have signed all of the releases required by Best In The Desert Racing Association and cannot be replaced in the race vehicle with special exception approved by Best In The Desert.

### **PITS**

**SGPT1:** No vehicle will be permitted to enter pit areas or race area without a valid **Best In The Desert Racing Association/ The American Off-Road Racing Series** pit pass. Pit pass must be securely attached to front windshield and be clearly visible. The race-vehicle number must be clearly displayed on side, front and rear windows (refer to **SCR51**).

**SGPT2:** All designated pits will be a MANDATORY STOP – NO PASSING ZONE - 25 MPH. At all times the driver of record assumes responsibility for the actions of their pit crew members, support crews, and all others associated with their team.

**SGPT3:** No person(s) under suspension by **Best In The Desert Racing Association** will be permitted to participate or be permitted to enter the pits or race area.

**SGPT4:** Any pit support vehicle running on or near the racecourse will result in the entrant being disqualified. Any pit support vehicle traveling in a restricted area will result in entrant being disqualified. No pit vehicle may follow or lead a race vehicle on the racecourse. Any pit vehicle running backwards on the racecourse may cause race vehicle to be disqualified. Any pit support vehicle stopping at a paved road crossing may cause race vehicle to be disqualified. Any pit support vehicle stopping on a road that is near the racecourse and not in an official designated area may cause race vehicle to be disqualified. In the event that a vehicle breaks down on the course, Best in the Desert Racing Association approves the following options. Any deviation from these options may result in entrant being disqualified

1) Driver or Co-driver who is with vehicle at time of breakdown may walk to and from the nearest official **Best In The Desert Racing Association** designated pit stop only, in order to retrieve equipment or parts necessary to repair vehicle. Anyone other than the vehicle occupants that deliver equipment or parts will

subject that vehicle to disqualification. Obtaining equipment or parts from any other location than an official **Best In The Desert Racing Association** designated pit stop will subject entrant to disqualification.

2) Another race-entered vehicle may pick up equipment or parts at the previous official **Best In The Desert Racing Association** designated pit stop and then deliver that equipment or parts to broken down vehicle. The race vehicle picking up the equipment or parts must travel in the proper direction on the course. Traveling backwards on the course will subject both entrants to disqualification. Any pit support vehicle or any other non-race entered vehicle delivering parts to a broken down vehicle will subject entrant to disqualification.

**SGPT5:** Any entrant, crew member, or other pit pass holder who takes part in any demonstration in the pits, on the course, or surrounding area before, during or after an event shall be subject to expulsion from the area, suspension from future **Best In The Desert Racing Association** sponsored events and possible legal action.

**SGPT6:** Maximum speed limit on all main pit access roads and in all pit areas will be 15mph for all vehicles. Maximum speed limit on all other access roads will be 35mph. **Best In The Desert Racing Association** reserves the right to change speed limits to account for conditions.

**SGPT7:** The Best In The Desert Racing Association Pit Stop Captain shall determine the pitting zone around each pit stop.

**SGPT8:** All pit supplies must be at least 50 feet from the edge of the racecourse to the racetrack side of race vehicle. No pit may be in the first 50 feet leading into and the first 100 feet leading out of a turn. Pits located within the turn area or less than 50 feet from the track will subject entrant to penalties of up to and including disqualification and or a minimum of one-hour time penalty at the discretion of the director.

**SGPT9:** All pits must have the equivalent of a UL approved two (2) 10-lb. ABC fire extinguisher at all times; the extinguisher(s) must be manned during all pit stops. This capability may be accomplished using fire extinguishers of any combination (minimum 5-lb. extinguisher) that equals 20 lbs. (i.e. two 10 lb., four 5 lb.). If 5 LB extinguishers are to be utilized, then the pit crew must man two fire extinguishers and be at the ready. All pit fire extinguishers must have current (less than one year old) seal in place, and be fully charged.

**SGPT10:** All young children and pets must be kept out of the immediate area where vehicle will pit. Pets must be kept on a leash. All campfires must be kept out of immediate pit area. Campfires must not be placed between the track and pit vehicles. Campfires may not be permitted due to federal and state regulations. No firewood with nails, (ie. pallets.)

**SGPT11:** All entrants are responsible for cleaning the pit areas they use during the event.



## **TECH-INSPECTION & IMPOUND**

**SGT1:** It is the entrants', drivers', owners', and sponsors' full responsibility to meet all **Best In The Desert Racing Association/The American Off-Road Racing Series** rules and regulations.

**SGT2: Best In The Desert Racing Association** reserves the right to limit the number of personnel into any area or garage in which inspections are being made or within which vehicles are impounded.

**SGT3: Best In The Desert Racing Association** reserves the right to seal or impound any and all race vehicles.

**SGT4: Best In The Desert Racing Association** assumes no responsibility for impounded vehicles. **Best In The Desert Racing Association** intends to make reasonable efforts to ensure the vehicles' security.

**SGT5:** The director, chief steward and/or chief technical inspector may impound any vehicle or vehicle parts.

**SGT6:** No vehicle may be removed from an inspection area or impound area without permission from the director, chief steward and chief technical inspector. Failure to comply shall subject that entry to disqualification. Any vehicle not taken directly to the inspection or impound area when requested by the chief steward or chief technical inspector shall subject that entry to disqualification.

**SGT7:** The chief technical inspector may seize any illegal parts or devices found on any vehicle. Any item seized by the chief technical inspector will not be returned, nor will there be any compensation made by **Best In The Desert Racing Association**, its officials or directors to any entrant who has illegal items seized.

**SGT8:** Entrants must make all reasonable effort to arrive at the registration and pre-race technical inspection during the hours listed on race information sheets. Failure to do so may result in penalties being placed on entrant at the discretion of **Best In The Desert Racing Association**.

The penalties are as follows:

- **First offense:** One hundred dollar (\$100) fine to be paid at registration and/or technical inspection area.
- **Second offense:** One hundred dollar (\$100) fine and a 5-minute per 100 miles of course time penalty (i.e., 200-mile course will result in a 10-minute time penalty).
- **Third offense and on:** One hundred and fifty dollar (\$150) fine and a 10-minute per 100 miles of course time penalty (i.e., 200-mile course will result in a 20-minute time penalty).

**SGT9: Best In The Desert Racing Association** reserves the right to apply frame identification markers to any and all vehicles that participate in "The American Off-Road Racing Series." The frame identification markers are to remain intact and unaltered by vehicle owners, drivers or support personnel. The frame identification markers are to remain on the vehicle for the life of the vehicle.

If frame identification marker is damaged or must be removed to facilitate repairs to vehicle then the driver of record for the vehicle must notify **Best In The Desert Racing Association** prior to next event in order to have a new frame identification marker applied. The driver of record must notate the frame identification number being removed and notify **Best In The Desert Racing Association** of the number.

#### **PRE-RACE TECH**

**SGT10:** Each vehicle must pass a safety inspection before it will be permitted to race in any **Best In The Desert Racing Association** event. A designated identification marker will be placed on the vehicle after successfully passing the safety inspection. The identification marker must remain on the vehicle until after the finish of the race. A Best In The Desert Racing Association decal must be placed on each side of the vehicle in a prominent location. Best In The Desert Racing Association supplies a stuck stub. The stuck stub must be placed in the vehicle along with a writing instrument. The stuck stub must remain in the vehicle. If a break down or out-of-race condition occurs, the stuck stub must be completed and given to the proper race official.

**SGT10.1** Each race vehicle is mandated by Best In The Desert Racing Association Tech Team to place any special event decals on each side of the race vehicle (i.e Best In The Desert Racing Association decal or Best In The Desert Racing Association sponsor decal, or event sponsor.) Failure to comply could result in a time penalty

**SGT11:** All personal protective gear will be checked at pre-race tech. This includes but is not limited to fire suits, helmets and neck braces. First-aid kits, fire extinguishers, seat belts, and nets will also be checked. This does not imply that these items will be the only items checked. The chief technical inspector or assistant chief technical inspector may seize any personal protective gear that does not comply with the rules or is deemed unsafe. Any item seized by the chief technical inspector or assistant chief technical inspector will not be returned, nor will there be any compensation made by **Best In The Desert Racing Association**, its officials or directors to any entrant who has illegal or deemed unsafe items seized.

**SGT12:** Pre-race impound will be at the discretion of **Best In The Desert Racing Association**. After safety inspection, vehicles will be directed to an impound area where they will remain until assigned removal time. No one will be permitted into impound area after vehicle is placed in impound. Entrants must receive written special permission from **Best In The Desert Racing Association** to enter impound after vehicle is placed in impound. **POST-RACE-TECH**

**SGT13:** **Best In The Desert Racing Association** reserves the right to subject any vehicle to a mechanical inspection at the discretion of the chief steward and/or chief technical inspector. In the event of a mechanical inspection, the driver of

record will be responsible for removing or preparing the requested items to be inspected as directed. Failure to comply will result in disqualification of entrant and vehicle, and may result in suspension from future **Best In The Desert Racing Association** sponsored events.

**SGT14:** The chief steward or director may require the owner or entrant of a vehicle damaged in a race related incident to submit to post-incident inspection. If the owner or entrant refuses, the vehicle and entrant may be disqualified and suspended from future **Best In The Desert Racing Association** events.

**SGT15:** Post-race impound of all finishing vehicles is at the discretion of **Best In The Desert Racing Association**. Impound time limit is one hour after the official finish of the race. **Best In The Desert Racing Association** will release vehicles earlier at its discretion. Vehicles involved in any type of protest, complaint, or engine claim will be held until after resolution of protest, complaint, or engine claim.

**SGT16:** Any refusal by an entrant to comply with engine claim rules as stated in the class rules will result in entrants disqualification and suspension from all **Best In The Desert Racing Association** sponsored events for a period of one year. Entrant will also forfeit any prize money, contingencies and any other award due for finishing the race.

## **COMPETITION REGULATIONS**

The regulations herein apply to all classes unless otherwise noted in supplementary or specific class regulations. Modifications or optional equipment is not permitted unless the class requirements or safety regulations specifically state that it will be permitted. **Best In The Desert Racing Association's** intent when prescribing specifications for safety equipment for vehicles that will compete under **The American Off-Road Racing Series** rules is to provide reasonable protection to all entrants, pit crews, officials and spectators. **Best In The Desert Racing Association** encourages all entrants to give full attention to safety requirements. Entrants must wear an approved helmet, protective clothing, eye protection and safety equipment when operating a vehicle on the race course at any time, including warm ups and testing. All body components and nets must be properly secured during such operations.

## **STOCK CLASS VEHICLES (7300, 8100)**

It is imperative that all stock class entrants ensure that their vehicles conform to the intent, spirit and requirements of the rules set forth in the **Best In The Desert Racing Association** rulebook. Any illegal components, devices or fabrications found on your vehicle will result in disqualification, there will be no exceptions. Any component, device or fabrication that is considered questionable in the opinion of **Best In The Desert Racing Association** will result in penalties up to and including disqualification. Any vehicle that is found to be not in compliance with

the rules will be required to correct the items before being allowed to participate in any Best In The Desert Racing Association event.

## **SAFETY EQUIPMENT**

### **SCR1: HELMETS**

Helmets must be of approved by one of the following; **Snell M2000 / SA2000 / M2005 / SA2005 DOT / ECE 22-05 / BSI sticker attached**. Straps must have D-ring fasteners only. No snaps or velcro will be permitted. The interior and exterior areas of the helmet must be free of defects (i.e., the padding must be in good condition and the exterior of the helmet must not be damaged). **Best In The Desert Racing Association** strongly recommends that entrants use helmets specifically designed for racing.

### **SCR2: PROTECTIVE CLOTHING**

One-piece fire suits are mandatory. Two-piece suits are not permitted. The suits must cover from the neck to the ankles and to the wrists. The suits must not have any holes, rips, and tears or be worn thin. The suits must also be free from any petroleum-based contaminants. All suits must be made from fire-resistant material with the manufacturer's fire resistant rating label attached. A minimum of a two-layer fire suit, fire resistant gloves and footwear are very highly recommended. **Best In The Desert Racing Association** highly recommends that each fire suit be labeled on the upper right chest with the entrant's full name, blood type, allergies or other important medical information.

### **SCR3: EYE PROTECTION**

Shatter resistant eye protection is required for all entrants competing in a **Best In The Desert Racing Association** event. Entrants whose vehicles have full windshields must have eye protection in the vehicle with them at all times. It is highly recommended that entrants wear the eye protection even with the windshield. It is highly recommended that entrants with removable dentures remove them prior to competing.

### **SCR4: NECK RESTRAINT**

**Best In The Desert Racing Association** strongly recommends that any and all persons driving or riding in any class race vehicle wear a neck restraint designed for racing.

### **SCR5: FIRST AID KIT**

A weatherproof first aid kit must be carried in each vehicle at all times and must contain at least the following items:

- 2 4" Bandage Compress
- 2 2" Bandage Compress
- 1 Triangular Bandage
- 8 2" x 3" Adhesive Bandages
- 4 1" x 3.375" Adhesive Bandages
- 4 Antiseptic (Methylate, etc.)
- 2 Pairs of Latex Gloves

The following items are recommended in addition to the required items:

1 Eye Dressing Packet 1 Ace Bandage  
1 Wire Splint (Compact) 1 CPR Face Mask

The first aid kit must be easily accessible within the occupant's area without having to remove any body panels or equipment.

#### **SCR6: BREAKDOWN SAFETY DEVICES**

Two battery-operated red flashing beacons, two large glow sticks or two red reflective devices must be carried in the vehicle. Reflective devices must be at least 12 inches high and 12 inches long and be free standing (similar to trucker's breakdown triangles). **Best In The Desert Racing Association** is concerned about race areas; thus, flares will not be permitted as a breakdown device. Official **Best In The Desert Racing Association** stuck stubs are supplied to each entrant at registration. The stuck stub must be kept with the vehicle along with a writing instrument. If a break down or out-of-race condition occurs, the stuck stub must be completed and given to another race vehicle to pass on to a race official.

#### **SCR7: HORNS**

All vehicles must have a loud sounding horn. Horn must be very audible from a distance of 100 feet in front of the vehicle. Sirens are permitted, in addition to a horn, during the actual racing portion of the event.

#### **SCR8: REFLECTOR**

All vehicles must have two 2-inch wide x 8-inch long red reflective tapes or two 2-inch round red reflectors (DOT stock taillight lenses satisfy this requirement) attached to the rearmost portion of vehicle at each corner. The reflective tape or reflectors must be clearly visible from the rear.

#### **SCR9: FIRE EXTINGUISHER**

Each vehicle must carry a portable UL approved 2.5-lb. ABC-class dry chemical type or equivalent Halon fire extinguisher. Fire extinguisher must have a gauge, be fully charged, and be easily accessible from inside of the vehicle. An additional 2.5-lb. ABC-class, dry chemical fire extinguisher must be mounted on the exterior of the vehicle. The mounting must be in such a manner as to prevent damage to fire extinguisher during rollover and must be marked in such a manner as to allowing persons not familiar with vehicle to easily find fire extinguisher. On-board fire extinguishers are highly recommended in addition to the portable fire extinguisher. Portable and on-board fire extinguishers must have a current (less than one year old) fire marshal's seal and attached label.

#### **SCR10: SURVIVAL SUPPLIES**

All vehicles must carry at least one day of survival supplies and one quart of water per occupant or rider. It is highly recommended that additional water be carried for each occupant during the hotter months.

## **SUSPENSION COMPONENTS**

**SCR11: SHOCK ABSORBERS & BUMP STOPS** There must be at least one shock absorber per wheel in working condition at the start of the race.

Suspension bump stops must be of the solid type unless class rules allow movable bump stops or secondary suspension.

### **SCR12: SECONDARY SUSPENSION**

Secondary suspension includes leaf springs, torsion bars, coil-over shocks, air bags, haga balls or any other item, other than shock absorbers and the stock concept suspension system that came with the vehicle, that changes the wheel rate at any point in its travel. Air shocks will be considered secondary suspension when charged to 200 psi in their fully extended state and the static pressure exceeds 300 psi when fully compressed. Movable bump stops will be considered secondary suspension when they contact the suspension unit more than 4 inches before the end of the wheels upwards travel.

### **SCR13: WHEELS & TIRES**

Snap-on hubcaps or Snap-on wheel covers of any type are not permitted in any class of vehicle during competition. Tires will be visually checked for condition and must be considered reasonably safe by **Best In The Desert Racing Association** prior to competing. Maximum tire size is 40 inches outside diameter. No multiple tires permitted. It is highly recommended that all foreign material be removed from mounting surfaces of the rim and wheel. Wheel travel will be measured at the end of the centerline of the spindle on all vehicles, regardless of make of vehicle or hub design. In the event that the end of the spindle cannot be established, the entrant may be required to remove end caps, etc., to make the end of the spindle available. The measurement shall be taken from full droop (full extension of the limit strap) to where the moving parts contact a constant rigid member stopping the upward movement. Bump stops must be fully compressed at time of measurement. Vehicles with solid axle front ends will be measured from suspension member to metal stop; this is where the axle contacts a constant rigid metal part of the main chassis in a straight up and down motion. "Duck walking" will not be considered wheel travel. Solid rear axles will be measured in the same manner as a solid front axle noted in the above paragraph.

**Revised 2/21/11** - Each wheel on the vehicle including all spares must have the vehicle's number **STAMPED** in each wheel within 2 inches of the valve stem. The **STAMPED** number must be a minimum 1/4 inch tall.

### **SCR14: FASTENERS**

It is recommended that all component parts on the vehicle's suspension system, chassis and running gear be secured with s.a.e. Grade 8 or better nuts and bolts. Bolts must be secured with either lock nuts, lock washers, cotter pins or safety wire and have at least one full thread showing through the nut.

## **STEERING & BRAKE COMPONENTS**

### **SCR15: STEERING**

All steering components must be in good condition and in proper working order. Drag link and tie rod ends must be secured with a cotter pin in each one. Best In The Desert Racing Association must consider steering reasonably safe before vehicle is permitted to compete.

### **SCR16: BRAKES**

Brakes must be in a safe working condition and be able to apply adequate force to lock up all four tires. Brakes must be in a safe operating condition during the entire event. If brake system problems do occur during the event they must be repaired before continuing in competition. Turning or steering brakes are not permitted unless specified in class rules.

## **ELECTRICAL SYSTEM**

### **SCR17: IGNITION**

Each vehicle must have a positive action on/off switch in good working order. The switch must be labeled "ignition" on/off and be located within easy reach of the driver and from the outside of vehicle. All electric fuel pumps with independent switches must be labeled "fuel" on/off and be within easy reach of driver and from outside of vehicle. It is highly recommended that electric fuel pumps not be independently switched.

### **SCR18: BATTERIES**

Batteries must be securely mounted with metal-to-metal tie downs. All flooded cell batteries must be fully enclosed including the sides and bottom. Enclosure must be able to contain the quantity of acid contained in the battery if inverted. Batteries shall not be located in the driver's compartment. Batteries will be considered as being in the driver's compartment if there is no firewall between the battery and the driver.

### **SCR19: LIGHTS**

All vehicles must have a minimum of two taillights, two brake lights and one rearward facing amber light. A rearward facing **BLUE LIGHT** in addition to the rearward facing **L.E.D. AMBER LIGHT or 55 WATT LIGHT the L.E.D. MUST EQUAL A 55 WATT LIGHT**, must be installed on all vehicles in the 8100, 7300, 6000, 5100, 4400, 3700, 3000, 2000, 1900, 1700 and Class 1800 Open Sportsman classes. This **BLUE LIGHT** is an attempt to identify slower moving classes of vehicles so that faster classes of vehicles will be able to recognize they are approaching a slower vehicle. All lights must be in operating condition at time of inspection. Headlights may be removed for daytime races unless class rules specify stock headlights are to be retained. All rearward-facing lights (taillights, brake lights, blue lights if so required and amber light) must be in operating condition before the vehicle will be permitted to start the race. If during the race

any taillight, brake light, blue light if so required or amber light is damaged or burned out, the light must be fixed or replaced at the next available pit before proceeding in the race. Any taillight, blue light if so required or amber light that is connected to a switch that will allow the vehicle to move in any direction under its own power without the lights being on will cause that vehicle to be disqualified. All rearward-facing lights must be protected against damage in the event of a rollover. Taillights must be at least 3 inches in diameter, or meet with **Best In The Desert Racing Association** approval, and must be mounted in such a manner as to be clearly visible from a distance to the rear of the vehicle. **The L.E.D. amber light must be either a 3 inch round or model 60 oval shaped light.** Rearward blue light if so required must be at least 55watts or greater. The blue lens must be medium coated blue in color (no other color is permitted). The amber light and blue light if so required must be mounted a minimum of 48 inches from the ground and must be clearly visible, with no obstructions (IE: not mounted behind any solid object), from any angle from the rear of the vehicle. The amber light and blue light if so required must be placed so that an approaching driver's vision is not impaired. The amber light, blue light if so required and taillights must be connected to the ignition switch (connecting straight to the battery switch, if vehicle is so equipped, is acceptable) and remain on during the entire race. **The blue lens must be medium coated blue in color (no other color is permitted). The amber light and blue light if so required must be mounted a minimum of 48 inches from the ground and must be clearly visible, with no obstructions (IE: not mounted behind any solid object), from any angle from the rear of the vehicle. The amber light and blue light if so required must be placed so that an approaching driver's vision is not impaired. The amber light, blue light if so required and taillights must be connected to the ignition switch (connecting straight to the battery switch, if vehicle is so equipped, is acceptable) and remain on during the entire race.**

#### **SCR20: STARTER**

All cars and trucks must be self-starting by use of an onboard electric starter.

#### **FUEL SYSTEM**

##### **SCR21: FUEL**

Any of the following commercially available fuels may be used:

- A. Service station pump gasoline (the type normally used in passenger vehicles for highway use, this also includes E85.)
- B. Racing gasoline as manufactured
- C. Commercial aviation gas
- D. Diesel fuel
- E. Propane or natural gas.



No alcohol, NOS, or nitro-methane is permitted. Commercially produced nationally advertised fuel additives may be used.

### **SCR22: FUEL TANKS**

Safety fuel cells are required for all vehicles. Auxiliary fuel tanks may be added in all classes except those classes whose class rules do not allow auxiliary fuel tanks. Auxiliary fuel tanks must be safety fuel cells. Alternative fuels (propane or natural gas) must use an approved fuel cell as determined by DOT standards and with the approval of **Best In The Desert Racing Association**.

Alternative fueled vehicles may not use auxiliary fuel cells. All fuel tanks must be securely mounted. Fuel tank must be filled from and vented to the outside of the vehicle. There must be a substantial cross member and firewall between the fuel tank and the occupants. No GI-cans or fuel containers similar in construction or purpose will be permitted in or on any vehicle during the race. Use of GI-cans or other fuel containers will subject entrant to a time penalty or disqualification.

Safety fuel cells shall consist of a bladder enclosed in a smooth skinned container. The container shall be constructed of 20ga. steel, 0.060-inch aluminum or 0.125-inch marlex. Magnesium is strictly prohibited. Container must be securely attached to vehicles with bolts or steel straps. All fittings must be built into the skin and bonded to the skin as an integral part of the tank or mechanically sealed by a ring and counter ring system by either flat joint or an "O" ring. Internal baffling is mandatory in all fuel cells. Bladder construction shall be of nylon or Dacron woven fabric impregnated and coated with a fuel resistant elastomer. Rotary molded polymer cells are acceptable. The physical properties minimum standards are in accordance with Table 1.

Table 1

#### **Test Type Minimum Standard Test Specification**

Tensile Strength 450 lbs. Spec CCC-T-1916 Method 5102

Tear Strength 50 lbs. Spec CC-T-1916 Method 5134

Puncture Test 175 lbs. Spec MIL-T-6396 Article 4.5.17

These physical properties must be maintained throughout all areas of the finished bladder including seams, joints and fittings.

### **SCR23: FUEL FILLER, VENTS & CAPS**

Fuel filler lines and positive-locking non-vented fuel filler caps (Monza/flip-type caps are strictly forbidden) must be located and secured in such a manner as to prevent being knocked off or open during movement, rollover or accidental impact. Design and installation must be in such a manner to prevent fuel escaping from pickups, lines, fillers and breather vents if vehicle is partially or totally inverted.

Fuel breather lines must have a rollover check valve incorporated in the fuel cell.

The vent line must extend to the highest point of the roll cage nearest the fuel cell, across the width of the vehicle, and down to below the belly pan of the vehicle or 3

inches below the fuel cell, whichever is lower. **OPTIONAL PLACEMENT:** The vent line may be wrapped one full loop around the outside of the fuel cell near the top of the fuel cell and then down below the vehicle 3 inches below the lowest point of the fuel cell. Where the vent line attaches to the fuel cell there must be a loop above the fuel cell that extends 4 inches higher than the top of the fuel cell. The breather line must be vented outside of driver's compartment and be directed away from the engine and exhaust system. All fuel fillers attached to the frame or body panel must use a flexible coupling to the tank. All fuel fillers must be surrounded by a boot or splashguard (body panel is acceptable as a splashguard if sealed). Boot or splashguard must direct fuel spillage to outside of vehicle and away from driver's compartment, engine and exhaust. A fuel filler rollover-check-valve must be incorporated into all fuel cells. It is highly recommended that all detachable fuel filler caps have a flexible strap or chain attached between it and the frame of the vehicle.

#### **SCR24: Best in the Desert – Safety Advisory for 2012:**

##### **All competitors should review Race Fuel Safety:**

**Fuel Injected Motors:** Because of the recent flash fires after rollovers. Review the fuel rail retaining system on your motors. We suggest that you also interlock your fuel pumps to disable them with the loss of oil pressure, check with your engine builder. This is for your safety. **Fuel Cell Vent Lines:** These lines must be routed so that the line runs to all external fuel cell locations; i.e. top – left side – front – right side – back – bottom. This will limit fuel spills when the race vehicle is "Parked" in a position that tips the fuel cell. This is in addition to the rollover flapper/check valves. **Fuel In Pits:** All pits must have two (2) 10-lb. fire extinguishers out ready to use! Random checks will be made and time penalties may be assessed if extinguishers are not ready.

#### **ENGINE TRANSMISSIONS & DRIVELINES**

##### **SCR24: ENGINE LOCATION & DISPLACEMENT**

Where applicable engine displacement and location must adhere to class rules. Engine displacement and location may be checked by **Best In The Desert Racing Association**. **Best In The Desert Racing Association** reserves the right to mark engine blocks prior to an event.

##### **SCR25: ENGINE REPLACEMENT**

Entrant may replace a complete engine during an event, however the entrant must notify a Best in The Desert official that the engine is being replaced. The engine may only be replaced at an official designated pit.

##### **SCR26: TRANSMISSION**

Every vehicle must have a functional reverse gear. Four-wheel drive vehicles must be capable of being driven through all wheels. Class 1400, 1500, 7200, and 8000 with automatic transmissions are required to have a scatter shield.

### **SCR27: THROTTLES**

Every vehicle with a foot throttle must have two return springs, with a minimum of a 2-lb. pull, attached to the carburetor. Fuel injected vehicles are exempt from having two return springs.

*Computer controlled throttles are exempt from having two return springs but must maintain the stock system.* A stop or override system must be used to keep linkage from passing over center and sticking in an open position.

A hand throttle may be used if physical limitations necessitate use of such device. The hand throttle must follow the same guidelines as a foot throttle and must be deemed safe and approved by **Best In The Desert Racing Association**.

### **SCR28: EXHAUST**

Forestry approved spark arrestors or approved mufflers are required on all vehicles. Exhaust system design and installation must be done in such a manner as to extend a minimum of 1 foot past the rear of the driver's compartment, be directed rearward out of the body and away from the driver and co-driver, fuel cells and tires. The exhaust must be placed in such a manner as to minimize the production of dust.

### **SCR29: DRIVESHAFTS**

All front engine vehicles with open driveshafts must have a 0.25-inch x 2-inch steel strap or a 2-inch wide heavy nylon webbed retainer hoop. Hoop or strap must be securely mounted to a body or frame member and must be located within the first 6 inches of the main driveline behind the slip yolk or universal joint. Hoop or strap must be fabricated and located in such a manner that it will reasonably prevent the front of the driveshaft from digging into the ground when the rear suspension is fully compressed to the upper limit of wheel travel. The loop must be as short as possible to prevent severe "whipping" of the driveshaft. A plate that extends down from the frame or body to shorten the strap is advisable.

### **SCR30: FLYWHEEL SHIELDS**

All front-engine vehicles with manual transmissions must have an SEMA approved bell housing or cover. It is highly recommended that front engine vehicles with automatic transmissions have SEMA-approved covers.

### **SCR31: FLUID COOLERS**

Oil coolers, transmission coolers and radiators located ahead of the driver and co-driver or in the passenger compartment must have a shroud that will prevent liquids from blowing back or leaking onto the driver and/or co-driver in the event of a rupture or leakage. All hoses running through the passenger compartment must be shielded. Steel braided hoses do not constitute a shield.

### **SCR32: AUXILIARY EQUIPMENT**

All vehicles must start race with a functional generator or alternator, fan, water pump (water cooled vehicles) and a complete functional electrical system.

### **SCR33: TURBOCHARGERS**

Turbocharges only permitted on **gasoline-powered vehicles in classes listed below.**

**Special Note:** Ford Production EcoBoost turbocharged V6 gasoline engine allowed in Class 7200, 8000 and 8100 only.

Factory installed or aftermarket turbochargers are permitted in the following classes: 1400, 1500. Best In The Desert Racing Association at any time may modify rules and/or impose restrictions on turbocharged diesel-powered vehicles in the interest of competition. Every turbocharged diesel-powered vehicle must have Best In The Desert Racing Association prior approval before competing in a Best In The Desert Racing Association event for the first time.

### **SCR35: SAFETY HARNESS**

All vehicles must have a heavy-duty type five-point fast release latch (*no push button type*) seat belt, anti-submarine strap and shoulder straps with metal-to-metal buckles and connectors for each occupant. The five-point harness system shall consist of one 2-inch wide anti-submarine strap, one 3-inch wide seat belt and two 3-inch wide shoulder straps (*no "y" type shoulder belts permitted*). Chest buckles are optional. Harness material shall be made of nylon or Dacron polyester. Harness must be in new or perfect condition with no cuts, frayed layers, chemical stains, or excessive dirt and must be in flexible condition (i.e. material must not be rigid). **All harnesses must show the manufacturer's name and the month and year of manufacture. All harnesses must be installed per the manufacturer's instructions and must follow S.F.I. standards. All belts must be replaced after three years from the month and year of manufacture. No portion of the harness may be altered in any fashion from the manufacturer's standard design. No surplus safety harnesses are permitted. NOTE: Where "D" rings are used the excess belt material must thread back through the D ring a third time.** (Revised 11/8/11)

The five-point harness must be mounted to the main structure members of the same size and dimension as the roll cage and be gusseted. The structure members must be in the following locations. Anti-submarine belt to the floor structure as close to the front of the seat as practical in order to exert maximum restraint to the upward movement of the seat belt and shoulder straps. Shoulder straps must be mounted behind the occupants seats and be located a minimum of 4 inches below the top of the occupants shoulders. Seat belt should be mounted a minimum of 2.5 inches forward of the intersection of the back of the seat and the sitting portion of the seat. All adjustment buckles must be a minimum distance of 1.5 inches from the seat to prevent loosening or chafing. Mounting hardware must be a minimum of 0.312-inch Grade 8 bolts with a 1.5-inch diameter flat washer attached through the body or frame using lock nuts or cotter keys. All harness hardware must be safety tied. If

a wrap around type harnesses is used, care must be taken to prevent them from slipping and chafing from sharp frame components. Wraparound harnesses are highly discouraged.

### **SCR36: SAFETY NETS**

**Best In The Desert Racing Association** approved safety nets are mandatory on all vehicles and must cover the complete open area of the cockpit on both sides of the vehicle. Nets must be installed on the inside of the roll cage to prevent them from being damaged or coming off in the event of a roll over or slide on the side. Nets attached to doorframes are permitted as long as door has a positive secondary latching device. Nets must be installed so that the occupants can release the netting unassisted and exit the vehicle regardless of the position of the vehicle. Net installation must meet with the approval of the chief technical inspector. Lexan in the side windows can be substituted for nets as long as positive secondary latching devices are used. Lexan side windows must be mounted in such a fashion as to allow quick removal in event door will not open. The net border or edge and the net attachment must be made of materials that are as strong or stronger than the net itself. Net attachments must be every 6 inches. Acceptable attachments are not limited to the following: hose clamps, snaps, heavy-duty nylon ties, lift-a-dot, metal hooks and steel rods. Steel rods are acceptable methods of bottom fastening. The roof must be covered with sheet metal or aluminum.

**Best In The Desert Racing Association** requires that occupants of all vehicles must be protected during a roll over in such a manner that prevents them from extending from the body or frame of vehicle.

### **SCR38: DRIVER'S COMPARTMENT**

The vehicle occupants must be able to enter and exit, unassisted and with great ease, the driving compartment with the vehicle in any position. Firewalls and/or bulkheads must separate the driving compartment from any fuels, engine fluids and acids.

### **SCR43: FLOORBOARDS**

Floorboards or belly pans are required on all vehicles and must be attached by a minimum of six 0.25-inch bolts (*Dzus fasteners are not permitted*) per side if not an integral part of the body or chassis. Floorboards must cover the entire area from in front of the pedal assembly to behind the seats and from outside edge to outside edge on each side. Floorboards in the front must extend up in front of the pedal assembly. Installation must be done in such a manner as to afford maximum protection to the occupants from debris.

### **SCR45: MIRRORS**

A rear view mirror is required on all vehicles. Mirrors must have at least 6 square inches of mirror surface. Mirror must have a reasonably unobstructed view of area behind vehicle.

#### **SCR46: SKID PLATES**

Skid plates designed to reasonably protect the front suspension, steering and brake components are recommended on all vehicles. Skid plate must be made of metal and be securely attached.

#### **SCR47: STORAGE**

All spare parts and extra equipment carried on a vehicle must be securely fastened to prevent movement during competition. All spare parts and extra equipment must be carried in such a manner as to reduce the risk of injury to the occupants.

#### **SCR48: FENDERS**

Fenders must be securely attached to vehicle on all classes requiring fenders. The removal of fenders during competition for any reason other than damage incurred during the competition will result in disqualification.

#### **SCR49: CHASSIS & BODY**

All body parts must remain on the vehicle (accidental damage excluded) during the entire length of race. Body and chassis series must be maintained with the body and chassis combination as specified in class rules.

All repairs must meet with the approval of **Best In The Desert Racing Association**. Photographic evidence of the damaged frame may / will be required for approval of repair work. Entrants must notify **Best In The Desert Racing Association** of required frame repair before starting repair work. If frame damage occurs at a **Best In The Desert Racing Association** event it is highly recommended that you notify the chief technical inspector so that an inspection of damaged frame may be made at the post race inspection area if at all possible.

#### **SCR50: HOSES**

All fuel and brake line hoses including metal lines and fittings must be clamped and/or safety wired.

#### **SCR51: IDENTIFICATION MARKERS**

All vehicles in competition must display the official **Best In The Desert Racing Association** decal on both sides of the vehicle. All vehicles in competition must be identified with the correct class vehicle numbers and be displayed in the proper locations as prescribed herein. All **pro-class** entries must have black numbers on white backgrounds. If vehicle is white then the number area must be outlined in a  $\frac{3}{4}$ " black line around the numbers. There must be a gap of at least  $1 \frac{1}{4}$ " between the black line and the numbers. Any number location that is deemed by **Best In The Desert Racing Association** to be too hard to read will have to be changed prior to vehicle competing in the event. All **sportsman-class** vehicles will have black numbers on a yellow background. If vehicle is yellow then the number area must be outlined in a  $\frac{3}{4}$ " black line around the numbers. There must be a gap of at

least 1 ¼” between the black line and the numbers. This is mandatory. No other combination will be permitted.

#### **SCR52: ADVERTISING ON VEHICLES**

Advertising, symbols and names may be displayed on vehicles contingent that they do not interfere with identification markings and provided that they are in good taste.

#### **SCR53: WORKMANSHIP**

All construction, modifications and alterations must be performed in a workmanlike manner and meet with the rules, regulations and approval of **Best In The Desert Racing Association**.

#### **SCR54: RADIO EQUIPMENT**

Any race or support vehicle radio equipment is strictly prohibited from interfering with or disrupting race communications on all frequencies allotted to the amateur radio band, public service band, marine band and aircraft band as permitted by FCC rules. **Best In The Desert Racing Association** uses the **151.490MHz** frequency. Outboard linear amplifiers with an output over 25watts are prohibited. An outboard linear amplifier is a device that boosts the power of the radio and is connected between the radio and antenna. Included in this rule is **SEC8** in its entirety.

#### **SCR55: SCORING TRANSPONDERS**

All vehicles in competition shall have a transponder mandated by Best In The Desert Racing Association. All transponders shall be securely attached to the race vehicle on the Driver’s side A-pillar.

#### **SCR56: VEHICLE REFUELING**

All vehicles (including car, truck, motorcycles, utv’s, atv’s) may only be refueled with vented fuel cans or gravity fed fuel towers.

**Overhead Fuel Towers:** Fuel towers must be at least 20’ from the racecourse. All towers must have a spring loaded dead man valve to automatically close the line when the handle is released. The hose must have a break-a –way feature in the event the vehicle departs with the hose still attached. **Best In The Desert Racing Association** reserves the right to disallow any fueling system deemed unsafe.

# 2012 UTV/DSR1 CLASS RULES

UPDATED 1-23-2012 PLEASE NOTE ALL BITD GENERAL AND SAFETY RULES MUST BE FOLLOWED THEY ARE LOCATED IN THE BITD CAR/TRUCK RULE BOOK PAGES 7 THRU 32. THESE RULES CAN BE FOUND AT [WWW.BITD.COM](http://WWW.BITD.COM) AND [WWW.UTVRA.COM](http://WWW.UTVRA.COM) ANY RULE CHANGES OR UPDATES WILL BE POSTED ON THE UTV RACING ASSOCIATION WEB SITE. CORY SAPPINGTON IS THE CLASS REP AND FOUNDER. PLEASE CONTACT CORY WITH ANY QUESTIONS OR IF YOU ARE A NEW RACER. 602-769 - 6164 or [UTVRA@HOTMAIL.COM](mailto:UTVRA@HOTMAIL.COM)

**Pro UTV Production Class definition:** The Pro UTV production class vehicles are built using production UTV's, manufactured by registered companies, that issues Vin #'s. Companies must produce a minimum number of units to be accepted. UTV's must have 2 seats. OEM engines must be used. Maximum engine size is 1000cc.

The Pro Class does have a points championship, a points championship fund, and an individual race purse.

**Pro DSR1 Class definition:** The Pro DSR1 class vehicles are built using a production UTV frame, with a street bike engine swap. A maximum engine size 1000cc. No car engines. Must use Hood, Grill and Fenders from a UTV. Must have 2 seats. Max wheelbase 110". The 110" wheel base can be achieved by cutting the frame or through the suspension. **Full custom built frames are allowed, but must be built with the suspension mounting point dimensions the same as a current UTV and must be preapproved by the UTVRA.**

**Sportsman UTV/DSR1 class:** The Sportsman class is for any UTV/DSR1 team that wants to race but does not care, to race for championship points or prize money. The Sportsman class has lower entr e fee. Any other vehicles that are not built to the Pro UTV production class rules or the DSR1 class rules, but are classified as a UTV or a DSR1 by a UTVRA tech inspector will be allowed race in the Sportsman UTV/DSR1 class.

**UTV and DSR1 classification must be pre-approved before racing in the first BITD event.**

**Minimum requirements to be classified as a UTV or DSR1 are:** Max width outside of tire to outside of tire is 77". Pro UTV Production Class wheel base must not exceed 8" over the stock dimension. DSR1 wheel base may be no longer than 107.5" No car engines. Max tire size is 30". All vehicles must pass all BITD safety requirements and be approved by the UTVRA.

**ANYTHING NOT BUILT IN COMPLIANCE WITH THE SPIRIT OF THE CLASS MAY BE DEEMED INELIGIBLE TO RACE, COLLECT POINTS, TROPHIES, PRIZE FUNDS, AND CONTINGENCY. PLEASE CONTACT THE UTVRA WITH ANY QUESTIONS AT UTVRA@HOTMAIL.COM**

## **MEMBERSHIP REQUIREMENTS:**

UTVRA memberships are required for each UTV or DSR1 race vehicle. Best in the Desert requires that all Drivers and Co-drivers have a Best In The Desert membership participation in any race.

UTVRA membership fees are \$25.00 per vehicle each race and will be collected at tech and **must be paid in cash.**

## **OCCUPANTS:**

All UTV and DSR1 vehicles must have a driver and a co-driver in the vehicle for the entire race.



### **DRIVER'S MEETING:**

All drivers and passengers must attend a pre-race UTV/DSR1 Class driver's meeting. This meeting will be separate than the official BITD driver's meeting. These meetings do not occur at every race. The meeting time and place will be announced at tech.

### **RADIO & COMMUNICATIONS:**

A VHF type radio is required in all race vehicles. All UTV and DSR1 race vehicles must have their team radio frequency posted inside their vehicle. UTV Racing Association Frequency – 153.560 Best In The Desert official Frequency – 151.490 The UTV Racing Association will monitor this frequency throughout the race in order to provide information to UTV race teams and the Best in the Desert Racing Association. The Best in the Desert and the UTVRA frequencies are mandatory channels on each radio. All race vehicle teams are required to provide team specific frequency information to the UTVRA.

### **SUSPENSION:**

All suspension mounting points must remain the stock design and in the stock location and position as delivered from the manufacturer, however they may be reinforced for strength. Any suspension point mounted with a single bolt, may be changed to a 2 bolt mount design. Either side of the original pivot points may be used to remount the 2 suspension points.

**DSR1 suspension** mountings points may pivot on either side of the stock pivot point whether the stock design is a single bolt or a two bolt system. Please contact the UTVRA for clarification.

### **OVERALL MEASUREMENT RESTRICTIONS:**

The maximum width of a UTV or DSR1 measured for outside of tire to outside of tire is 77” The wheelbase for the Pro UTV Production class can be increased to 8 inches over the stock dimensions. This can only be achieved through the suspension. **Frames cannot be cut and lengthened.** Max wheel base for the **DSR1** class is 110 inches. **DSR1 frames can be cut and lengthened to achieve this length.** Wheel base is measured for center of spindle to center of spindle.

### **SHOCK ABSORBERS:**

There must be at least one and only one shock absorber per wheel in working condition at the start of the race. Shock absorber mounting points may be moved and strengthened.

### **BUMP STOPS:**

Suspension bump stops are allowed. They must be of the solid type. No air bump stops.

### **TORSION SYSTEM:**

The only torsion system that is allowed is a coil-over shock.

### **TIRES:**

Maximum tire size is 30 inches. No multiple tires per corner permitted.

**WHEELS:** Maximum size is 15”. **All wheels must be stamped or engraved with the race vehicles number on them, this includes spares. The minimum size of the number is ¼”.**

### **STEERING:**

Power steering is permitted. Turning or steering brakes are not permitted.

### **BATTERIES:**

Batteries must be securely mounted with **metal attachments**. All flooded cell batteries must be fully enclosed including the sides and bottom. Enclosure must be able to contain the quantity of acid contained in the battery if inverted. Gel filled batteries or dry cell batteries are recommended and do not require full enclosures. **Batteries may be located in the driver's compartment. Batteries located in the drivers compartment may not be liquid filled and must be safely mounted.**

### **LIGHTS:**

All vehicles must have a minimum of **two taillights, two brake lights, two rearward facing amber lights, one flashing, one steady** and a **rearward facing blue light, steady**. The amber flashing and blue light is an attempt to identify the slower moving UTV/DSR1 class of vehicle, so that faster class vehicles will be able to recognize that they are approaching a slower vehicle. UTV Racing Association has approved amber and blue lights made by **Federal Signal** (Target Tech). Several other safety lights have been approved by the UTVRA. BITD rules state that all safety lights must be working at all times, if a light fails to work it must be fixed at the next pit stop, or the vehicle cannot continue.

**Headlights for Vegas to Reno Races:** All race vehicles must be equipped with a minimum of 2 white-beam headlights wired to the vehicles charging system. Any extra lighting is acceptable and encouraged. **BITD rules state that all safety lights must be working at all times, if a light fails to work it must be fixed at the next pit stop, or the vehicle cannot continue.**

NOTE--The blue light should only be used during an official race. Previous incidents report this is illegal on roads and BLM, State, or public lands.

All lights must be in operating condition at time of inspection. Headlights may not be removed. All rearward-facing lights (taillights, brake lights, blue light, and amber lights) must be in operating condition before the vehicle will be permitted to start the race. All rearward-facing lights must be protected against damage in the event of a rollover. Tail lights/brake lights must be at least 3 inches in diameter, or meet Best In The Desert Racing approval. They must be mounted in such a manner as to be clearly visible from the rear of the vehicle. Rearward facing amber lights and blue light must UTVRA and BITD approval. The amber lens must be deep-coated amber in color (no other color is permitted). The blue lens must be medium coated blue in color (no other color is permitted). The amber lights and blue light must be mounted a minimum of 48 inches from the ground and must be clearly visible, with no obstructions (IE: not mounted behind any solid object), from any angle from the rear of the vehicle. The amber lights and blue light must be placed so that an approaching driver's vision is not impaired. The amber lights and blue light must remain on during the entire race.

### **ENGINE LOCATION AND DISPLACEMENT:**

**All Pro UTV Production vehicles must use stock engine cases and cylinder head. Maximum engine displacement is 1000cc.** The DSR1 maximum engine displacement is 1000cc. The Sportsman class maximum displacement is 1000cc. Engine displacement and location may be checked by UTV Racing Association at any time. The UTV Racing Association reserves the right to mark engine blocks prior to an event and confiscate engines after the race.

### **FLUID COOLERS:**

Oil coolers, transmission coolers and radiators located ahead of the driver and co-driver or in the drivers compartment **must** have a shroud that will prevent liquids from blowing back or leaking onto the driver and/or co-driver in the event of a rupture or leakage. All hoses running through the passenger compartment must be shielded. Steel braided hoses do not constitute a shield.

### **FIREWALLS:**

All vehicles must have an aluminum or metal firewall separating the driver's compartment from the danger of fire from fuel supplies. Rear mounted fuel cells require a minimum firewall which must be liquid tight and must extend at least 4 inches above the top of the fuel cell, covering from side to side. Any hole placed in the firewall for structure members, lines, etc. must be kept to a minimum. The hole should not have more than 0.0625-inch gap around the items passing through the firewall. Metallic tape may be used to seal a hole between the firewall and the item

passing through the firewall. Stock UTV engine covers meet the **engine firewall** requirement for the Pro UTV Production class. However a fuel cell firewall is still necessary. For UTVs and DSR1s with fuel injection it is recommended to completely cover the engine with aluminum.

#### **FUEL FILLER SPLASH GUARD:**

The intent of the splash guard is to keep fuel from being splashed on the driver and or passenger when the UTV/DSR1 is being refueled. Splash guards must surround the fuel filling area in such a way that it provides protection from fuel spilling onto the driver and or passenger when inserting and removing the fuel filler jug.

#### **CHASSIS (FRAME), BODY AND ROOF:**

All UTV vehicles **must** utilize the stock chassis (frame) and maintain stock appearance. The stock chassis (frame) is defined as the main lower rails running along the inner sides of the UTV and the front and rear tubes that connect them. **Please contact the UTVRA for a better description. Any modifications or repairs to the stock chassis (frame) must be pre-approved by a UTVRA tech inspector.** The stock chassis (frame) may be added to, for durability and strength, but must retain the stock width, length, and configuration. The stock UTV cage may not be used because no bolt on connections to chassis are allowed. All joints must be welded and attached to frame securely.

Any aftermarket UTV hoods and fenders must maintain the appearance of the original UTV. All after market or custom hoods and fenders must be preapproved by the UTVRA. All body parts must remain on the vehicle during the entire length of race (accidental damage excluded).

Currently, Maier, and Fulbore UTV bodies have been approved.

The roof must be covered with sheet metal or aluminum. Minimum thickness recommended is .080

#### **DOORS:**

Must have 'X', 'A' or Ladder design bracing in door area. 'X' or 'A' designs must use a minimum 1.5" outside diameter, .090" wall thickness 4130 chrome moly or 1018/1012 CDS/DOM. Ladder design must use a 1.5" diameter, .090" wall thickness for main rails and 1.25" diameter x .090" wall thickness for rungs. Doors that latch and/or open and close are not allowed.

#### **SEATING:**

All vehicles must use seats designed specifically for racing applications manufactured by a recognized racing seat manufacturer. Stock seats must be completely removed.

A recognized manufacturer that specializes in seats for racing applications must make all seats. All seats must be securely mounted to frame of vehicle and be properly reinforced in such a manner as to keep seat from moving in relationship to the frame. Adjustable track type seats must be securely mounted as to allow no lateral or vertical movement. Head and neck restraints designed and installed to prevent whiplash are mandatory on all vehicles. Restraints must be a headrest constructed of at least 2-inch thick resilient padding and be approximately 36 square inches in area. All portions of the roll bar or bracing that might come into contact with the vehicle occupant's helmets must be padded.

#### **TRANSMISSION:**

Pro UTV Production class must use the stock transmission and clutch design. Pro UTV Production class must have a functional reverse gear and the stock rear differential must be used. **DSR1** does not require reverse, it is recommended.

**MATERIAL:**

Roll cage construction material crew, dom, whr, wer mild carbon steel or 4130 chrome moly.

**UTVRA HIGHLY RECOMMENDS THE USE OF 4130 CROMOLY or**

**1018/1012/ASTM/DOM. All welds must be of high quality and craftsmanship** with good penetration and with no undercutting of parent material. Stress relieve all welded intersections by flame annealing.

**ROLLCAGES:**

Minimum Tubing Dimension

<b>Vehicle Weight</b>	<b>Open Cockpit</b>	<b>Closed Cockpit</b>
Under 2000 lbs.	1.5" x 0.90"	1.5" x .090"
2000 to 2999 lbs.	1.75" x .120"	1.5" x .120"
3000 to 3999 lbs.	2" x .120"	1.75" x .120"
4000 lbs and over	2.25" x .120"	2" x .120"

**Note:** See manufacturer’s’ reference charts for alloy steel tubing equivalent strengths. No aluminum or other nonferrous materials are permitted.

**ROLL CAGE DESIGN:**

All roll cages must be designed and constructed with one front vertical hoop, one rear vertical hoop, two interconnecting top bars, two rear down braces, one diagonal brace and all necessary gussets. The two top interconnecting bars must be placed as far to the outside of the top part of the front and rear hoops as possible. Rear down braces and diagonal brace must angle a minimum of 30 degrees from vertical. At the bottom of the diagonal brace there must be a cross member of the same tubing material and dimensions as the hoop. All roll cage components (hoops, braces, gussets, etc.) must have a minimum of 3-inch clearance from the component to the vehicle occupant’s helmets when occupants are seated in their normal riding positions. All portions of the roll bar or bracing that might come into contact with the vehicle occupant’s helmets must be padded.

Roll cages must be securely mounted to the frame or body. All intersecting points must be gusseted and braced. Cab or body mounted roll cages must be bolted through the body structure and be attached by use of a minimum two 0.1875-inch thick plates (one on each side of body structure). Bolts and nuts must be at least 0.375-inch-diameter s.a.e. Grade 8 or equivalent aircraft quality. Welding of cab or body mounted roll cages to body structure is strictly prohibited. Roll cage terminal ends must be attached to a frame or body member that will support maximum impact and not shear or allow more than 1.5 inches of movement in the cage terminal end.

Gussets constructed of 0.125-inch x 3-inch x 3-inch flat-plate or split, formed and welded corner-tubing, or tubing-gussets made of the same material and thickness as the roll cage may be used. Gussets must be installed at all major intersections, including diagonal and rear down braces, where single weld fractures can affect occupant’s safety

**Oxy-acetylene brazing on roll cage is strictly forbidden. 4130 chrome moly is highly recommended for all roll cage construction.**

**BUMPERS:**

All UTV and DSR1 race vehicles must have rear bumper secured to frame using minimum 1.5" outside diameter, .083" wall thickness chrome moly, .095 wall thickness if using mild steel. Bumper ends must be capped and rounded to prevent any sharp edges. Bumpers and nerf bars must be designed in a way as to reasonably inhibit two vehicles from becoming locked together. A safe front and rear bumper is required on all vehicles.

**No hazardous** front or rear bumpers, nerf bars, frame heads or other protruding objects from vehicles are permitted.

**IDENTIFICATION NUMBERS, MARKERS, AND STICKERS:**

All vehicles in competition must display the official Best In The Desert Racing Association and the UTV Racing Association decal on both sides of the vehicle. All vehicles in competition must be identified with the correct class vehicle numbers and be displayed in the proper locations as prescribed herein. Best In The Desert Racing Association will assign vehicle numbers.

All Pro UTV class vehicles will have **black numbers on a white background**. Sportsman UTV class will have **black numbers on a yellow background**. There must be a gap of at least 1 ¼" between the black line and the numbers. This is mandatory. No other combination will be permitted.

All vehicles in competition must display the official Best In The Desert Racing Association decal on both sides of the vehicle.

All vehicles in competition must have identification numbers in the following locations and sizes:

Minimum **10** inches high with 1 inch-wide stroke on **each side** of vehicle in line with the occupants. Minimum **6** inches high with 1 inch-wide stroke on the **rear** of vehicle and is plainly visible from the rear. Minimum **4** inches high located on the **front** of vehicle or roof and is plainly visible from the front of the vehicle.

**PIT-SUPPORT VEHICLES:**

All pit-support vehicles will have minimum 4-inch high white numbers (number of vehicle pitting for) on both sides of vehicle on side windows, on upper passenger-side corner of front windshield and on rear window. Pit support vehicles must have current Best In The Desert Racing Association pit pass attached to lower portion of the front windshield on the passenger side.

**IMPORTANT:** All rules are tentative and may be changed, altered, or updated as the BITD season progresses in accordance with the 1900 UTV-DSR1 classes.

Please contact the class representative Cory Sappington at (602) 769-6164 or email at [UTVRA@hotmail.com](mailto:UTVRA@hotmail.com) with any questions or for more information on these rules.

Please check the web site [www.utvra.com](http://www.utvra.com) for updates throughout the 2012 season.

Thank you for racing with Best In The Desert and UTV Racing Association.

UTV Contingency is managed by Jamie Fagan for info contact her at [glamisgurlie2@aol.com](mailto:glamisgurlie2@aol.com) 702-343-7761

