



NAMIBIA

MOTORSPORT

FEDERATION

NMSF STANDING SUPPLEMENTARY REGULATIONS

**4 X 4 VASBYT
(OBSERVED TRIALS)**

STANDING SUPPLEMENTARY REGULATIONS AND SPECIFICATIONS FOR 4 X 4 VASBYT COMPETITIONS FOR 2023 - 2024

**SSR
150.**

These amendments as approved for 2015 together with the NMSF Sporting Regulations (SPR's) of the Namibia Motor Sport Federation (herein after referred to as NMSF) replace all previous rules and regulations in respect of 4X4 Vasbyt Competitions in Namibia.

DEFINITIONS:

CRASH HELMET: A crash helmet as prescribed by the Road Traffic Legislation for Namibia.

4x4 VEHICLE: Any lightweight vehicle of which the General Vehicle Mass (GVM) does not exceed 3500kg, containing a chassis with a front and rear differential with traction in either all four wheels or in one rear and one front wheel and has a pipe frame or body, secured with a roll cage,

CHASSIS: A factory-built box type framework, containing the engine and gearbox of a vehicle to which the suspension and differentials are fitted but the front cross member or side beams may not end behind the centre of the front differential and the rear cross member or side beams may not end in front of the centre of the rear differential. Any modifications and/or changes to the chassis should be done according to the factory standards. Any changes outside the factory standard will be seen as a Modified Chassis.

ROLL CAGE: A construction of steel tubing of a minimum diameter of 38 mm and a wall of 2, 5 mm containing:

1. A roll bar behind the front windscreen, connected with a horizontal side bar, one on the left and one on the right side of the vehicle to a roll bar behind the front seats.
2. Adequately mounted and positioned in such way that the competitors are protected at all times.
3. On the top section as described in par 1 above, tubing must be fitted, not more than 20 cm apart from the front to rear roll bar.
4. If tubing as set out in par 3 is not fitted, a roof from sheet metal material must be fitted, with at least one support in the middle, from front to the back of roll bars as described in par 1 above.

WHEELBASE: The average direct distance from the middle of the rear wheel hub to the middle of the front wheel hub on both sides.

151. ELIGIBILITY OF COMPETITORS

151.1 Open to all competitors (driver and co-drivers) holding a valid licence for 4x4 competitions as issued by the Namibian Motor Sport Federation.

151.2 If a person participate with a day license or affiliate for the day of the event to a NMSF affiliated motor sport club to obtain a day license, and a complaint is raised against such person during the event or after the event, such person would be accountable in the same manner as if such person is holding a national competition license and/or is a full time member of such NMSF affiliate motor sport club.

151.3 A Driver must be at least 16 years of age and a co-driver at least 16 years of age.

151.4 In the beginning of each year, the participating clubs in Vasbyt will nominate two representatives each to form a Co-ordinating Team (CT).

151.5 The CT in conjunction with the Sub Committees for Vasbyt will also be responsible for submitting amendments of SSR's to the NMSF.

- 151.6 The Clerk of the Course (COC) in conjunction with the CT at an event, will be responsible to class vehicles according to the Vehicle Classification before each event.

152. ELIGIBILITY OF VEHICLES

- 152.1 The competition will be open to all light weight 4x4 vehicles.
- 152.2 Any Namibian competitor that competed in the events of 2011 can enter the vehicle he/she used in the 2011 competition, but any penalties now inflicted in terms of paragraph 154.3.5 will be applicable on such vehicle. Vehicle's capabilities and specifications may however not have altered (improved) since the 2011 competition.
- 152.3 On any vehicle that a penalty is applicable, the competitor must indicate in the beginning of the year, before or at the first event of the year whether he/she will operate the vehicle under the applicable penalties or not. This decision will apply for the rest of the year.
- 152.4 No space frame vehicles, trucks or heavy vehicles will be allowed to compete in the National Championship.
- 152.5 The Organisers reserve the right to include an additional class, "EXTREME CLASS" at an event which could cater for any vehicle not defined in SSR 153 – "Classification of vehicle", providing that such vehicle would not cause damage to the obstacles due to excessive weight, size of tyres, construction of the vehicle or any other reason. This decision is to the discretion of the Organiser of an event and will only be done if the Organisers are satisfied that there is enough interest to include such class at a specific event.
- 152.6 The C O C in conjunction with the CT reserve the right to exclude vehicles at their discretion, deemed not suitably for this type of event or which could cause damage to the obstacle course due to excessive weight, size of tyres, construction of a vehicle or any other reason.
- 152.7 Any objection against such a decision will therefore become the subject of a protest in terms of SPR 199 as to the participation of the vehicle in question. The full entry fee for the event, from which the vehicle is excluded, will be refunded to the competitor.
- 152.8 The C O C in conjunction with the CT will have the authority to grant permission for any vehicle to be entered more than once in a specific competition, providing that the vehicle be entered with a different team.
- 152.9 A crew/competitor can enter vehicles in different classes in an event, providing that they could only enter one vehicle per class.
- 152.10 An entrant can enter any number of vehicles in any class, providing that each vehicle will be driven/operated by a different crew.

153. CLASSIFICATION

- 153.1.1 CLASS A: Short wheelbase vehicle, including cars with a pipe frame body
- 153.1.2 CLASS B: Long wheelbase vehicle, including cars with a pipe frame body
- 153.1.3 CLASS C: Vehicle with assistance is any vehicle as described in Class A and B, with any equipment which may give the competitor an advantage over other competitors; as well as any vehicles as defined above but also having differentials and/or drive-train similar to that of a Unimog but excluding any vehicle fitted with a rear wheel steering.
- 153.1.4 Should any entrant have doubt as to the classification of his vehicle, he must obtain a ruling in writing from the COC in conjunction with the CT before entering an event.

154. VEHICLE SPECIFICATIONS

- 154.1 CLASS A: Any short wheelbase 4 X 4 vehicle, with a wheelbase up to 2450 mm.
- 154.2 CLASS B: Any long wheelbase 4 X 4 vehicle with a wheelbase more than 2450 mm.
- 154.3 CLASS C: Any vehicle as classified in Class A and B, fitted with anyone one or a combination of the following equipment:
- 154.3.1 Locked differentials in rear, front or both axles.
- 154.3.2 More than one handbrake or any other devise that can brake any wheel independently.
- 154.3.3 Limited slipped differentials in rear, front or both axles.
- 154.3.4 Traction control

- 154.3.5 Pneumatic and/or hydraulic suspension types fitted to the vehicle.
In regard to any vehicles as defined above but also having differentials and/or drive train similar to that of a Unimog the following penalties would apply:
- 154.3.6 Unimog/similar drive train/differentials:100 points
- 154.4 No Space Frame vehicles or vehicles without chassis will be allowed.
- 155. CONDITION APPLICABLE TO ALL CLASSES**
- 155.1 All vehicles must have a floorboard, and all working parts such as drive shafts and fan belts must be covered with a protection plate and/or placed in such manner that it is not easily accessible where it can harm the driver and/or co-driver.
- 155.2 Scrutineering of a vehicle will be accordance to SPR 168, and the date, time and place will be indicated in the SR's for the specific event. The following must be in a good working order:
- 155.2.1 Brakes
- 155.2.2 Steering mechanisms
- 155.2.3 Secured batteries
- 155.2.4 Fuel lines
- 155.2.5 Fire extinguishers
- 155.2.6 Tow hooks
- 155.2.7 Filler caps of fuel tanks must seal properly
- 155.2.8 Blood groups and names of driver and co-driver
- 155.2.9 Safety as set out in terms of par 155.1
- 155.2.10 Safety belts according to par 155.5.6 must be checked to be sufficient and if necessary be checked against the body of the person who will use that during the event.
- 155.3 **FIRE EXTINGUISHER**
A fire extinguisher is optional, but at every obstacle there must be at least two fire extinguishers which will be operating by a dedicated person.
- 155.4 **ROLL BAR**
Vehicles with a passenger compartment and roof must be fitted with a roll bar behind the passenger compartment.
- 155.5 **ROLL CAGE**
Open vehicles, or any vehicle with a fibre glass roof/top must be fitted with roll cages;
- 155.6 **SAFETY BELTS**
- 155.6.1 Vehicles with a standard cab must be fitted with a minimum of 3-point safety belts.
- 155.6.2 All open vehicles, including a vehicle with a glass fibre top a minimum of a 4-point safety belt.
- 155.7 **SAFETY NETS**
Safety nets must not have openings of more than 70 mm X 70 mm square and must be fitted in a steel frame.
- 155.7.1 **OPEN VEHICLES**
All open type vehicles or vehicles without doors must have safety nets, securely fitted, covering the door opening or window opening from the top of the windscreen height to the bottom of the door opening for the full width of the door. The safety net as fitted must have a quick release mechanism, not from any elastic material, to assure opening of safety nets during an accident.
- 155.7.2 **VEHICLES WITH PASSENGER COMPARTMENT**
Side windows of vehicles, competing in Class A – C, with a passenger compartment, fitted with a functional side window must be rolled down. The opening of the side window must be covered with a net as set out in par. 155.7.1
- 155.8 **TOW HOOKS**
All vehicles must be fitted with tow hooks at back and front, securely fitted and easily accessible. Tow hooks must accept a rope loop and if a shackle is required, the competitor must supply such shackle.
- 155.9 **TYRES**
Only standard tyres, rated for use on the road will be permitted. Paddle tyres, tyre chains, studs, double wheels, etc. shall not be used. The maximum rim size permitted in this form of competition is 420 mm (16.5").

- 155.10 **LOOSE OBJECTS**
No loose objects will be allowed in a competing vehicle. Toolboxes, jacks, water bottles, etc. must be securely fastened or removed from the vehicle before starting an obstacle.
- 155.11 **COMPETITION NUMBERS**
Competition numbers and sponsor decals will be supplied by the organizers at documentation and must be displayed in a clearly visible position on the car
- 155.11.1 Competition numbers must be fitted as follow:
i) Vehicle class on right front side of the vehicle
ii) Competitor number on left front side of the vehicle
- 155.12 **RE-SCRUTINEERING**
If a vehicle capsized in an obstacle and/or any repairs were done to a vehicle during the competition, the said vehicle must be re-scrutinized before it can continue to participate in the event.
156. **GENERAL RULES**
- 156.1 A Vasbyt is a 4x4 competition. A competitor must start and try to complete each obstacle with 4x4 being fully operational. If 4x4 becomes un-operational in an obstacle due to any reason whatsoever, the competitor will be allowed to complete that specific obstacle subject to the normal rules but may not enter the next obstacle without 4x4 being fully operational.
- 156.2 No competitor will be allowed to start the event unless he/she has satisfied the officials concerned that all documents and equipment are in order and the requirements met:
156.2.1 Applicable licences for entrant, driver and co-driver.
156.2.2 Properly completed and signed entry forms.
- 156.3 Competitors must be properly dressed at all times.
- 156.4 A competitor may not start an obstacle until he and his co-driver have their crash helmet on, safety belts fastened, and safety nets secured and they received an instruction from the Start Marshall for entering an obstacle.
- 156.5 The driver and co-driver may not loosen their safety belts between the start and finish line of an obstacle, except if permitted by the Chief Marshall. Offending competitors will forfeit all points for the specific obstacle if seen by a Marshall.
- 156.6 Competitors will be allowed to inspect each obstacle. After a vehicle left an obstacle, the next competitor had three minutes to enter the obstacle. If a competitor is not at the starting point, the Start Marshall will inform the competitor when the count down on the three minutes starts to allow the competitor to get to the starting point. Failure to abide by the ruling of a Marshall will lead to exclusion for that specific obstacle.
- 156.7 The competitor may attempt the obstacle until he has lost all points for that particular obstacle, at which time his vehicle must be removed in such a way as to minimize damage to the obstacle. If a competitor cannot proceed any further in an obstacle and damages the obstacle by excessive spinning of the vehicle's wheels or in any other way, a Marshall will stop the competitor.
157. **CREWS**
- 157.1 The driver and co-driver are deemed to be the crew.
- 157.2 Competitors will only score points toward the category entered, namely driver and co-driver as shown on the entry form.
- 157.3 No changes will be allowed to the crew of a vehicle. If it happens that the co-driver is absent during a specific obstacle, the driver will be allowed to continue the obstacle and/or event without the co-driver, providing that permission was obtained from the Clerk of the Course for such absence. On return the co-driver can continue participating in the event but will not accumulate any year points for those obstacles during which he/she was absent.
158. **OBSTACLES**
- 158.1 The event will consist of at least ten obstacles. Each obstacle must be clearly marked by posts with a bright colour line on the ground between the posts. The distance between the opposite marked lines at any point must not be less than 3,5m.
158.1.1 For the purposes of accommodating an optional class, "Extreme Class" at an event, to organisers reserves the right introducing additional handicaps which would be clearly marked to their discretion in any obstacle which these vehicles must negotiate to accumulate points at the event.

- 158.1.2 Vehicles participating in this “Extreme Class” will be clearly marked to distinct them from the participants in class “A – C”
- 158.1.3 Vehicles participating in Classes “A – C” would negotiate the normal obstacles as set out in par 158.1
- 158.2 Where no marker line can be positioned, the rule of an imaginary line between two posts will apply. If a competitor thus exceeds the imaginary line, it will be dealt with as if a line was touched. The use of the imaginary line must however be stated in the SR’s and/or a bulletin at the event.
- 158.3 In spite par 158.1 above, the organizers, after an agreement between the COC, CT and organisers, alter or cancel any obstacle as deemed necessary, only before a competitor entered the obstacle.
- 158.4 No obstacle will be cancelled or altered after one competitor has entered the obstacle.
- 158.5 At least two obstacles in an event must be demarcated obstacles.
- 158.5.1 On a demarcated obstacle points will be awarded pro-rata from zero to sixty as the competitor progresses, measuring on the centre of the front wheel hubs, passing both point indicators. Both front wheel hubs however must pass the demarcated point. (Ex. Mud holes, dunes, tyre pits etc)
- 158.5.2 A demarcated obstacle can only be entered once, unless the organizer makes an exception, which must be stated in the SR’s for that specific event. As soon as a vehicle gets stuck, one of the crew must inform the Chief Marshals and points as accumulated must be taken by the competitor.
- 158.6 Mud holes must contain mud and the water level or any other obstacle in the mud hole shall not impose any danger of safety risk to competitors.
- 158.7 Organisers must see to it that the tyre pit shall not contain any tyres, larger in size than 16 inch.
- 158.8 Once a competitor passed the start line with the front wheel hubs, he/she will not be allowed to reverse out of the obstacle with the front wheel hub passing the start line on reversing.

159. CONTROLS

- 159.1 Competitor may not cross the starting line at any obstacle before receiving permission from the Marshall at the starting point to proceed.
- 159.2 After finishing an obstacle, the competitor must stop at the finishing point. The score sheets must be marked and signed by a Marshall as well as the driver or co-driver before moving to the next obstacle. The scoring will be done by the Chief Marshall.

160. POINT SYSTEM

160.1 START OF OBSTACLE:

- 160.1.1 A competitor will be awarded 60 points when starting an obstacle. (Start of obstacle)
- 160.1.2 Positions for starting by competitors would be as per pre-decided allocated places, obtained from places drawn before the event, except in the case of D-Class competitors.
- 160.1.3 D- Class vehicles will attempt obstacles only after the last vehicle which attempt the obstacle as set out in par 160.1.1 left the obstacle. If there is more than 1 vehicle in D-Class, the competitors will start the first obstacle in the sequence that they entered for the competition. On the next obstacle, the D-Class competitor who started first will fall in behind the last D-Class competitor and from there on each competitor will move on in sequence.
- 160.1.4 Any obstacle run as a time trail will be scored as follows:
 - (i) In each class the competitor with the best time will score 60 points.
 - (ii) In scoring the other competitors, a competitor will lose 10 points for every 10 seconds or part of 10 seconds interval measured against the time as stated in (i) above in the respective classes.

160.2 DEDUCTION OF POINTS:

- 160.2.1 **10 points** will be deducted every time the marked line is touched by the tyre of the vehicle.
- 160.2.2 **20 points** will be deducted every time the wheels of the vehicle move backwards for more than 30 cm or if a competitor deliberately reverses. If a competitor however stops during such reverse/backwards move and does not move forward, and move backward again, it would only count as one action for deduction of 20 points.
- 160.2.3 **10 points** will be deducted at the end of the even on points accumulated during that event for each warning given by the Clerk of the Course to a Competitor.

- 160.2.4 All points for the specific obstacle will be forfeited if the competitor:
- 160.2.4.1 **TOUCH LINES:** Touches the line more than five times
 - 160.2.4.2 **ROLL BACK:** Allows the vehicle to roll back more than twice
 - 160.2.4.3 **WITH DRAW:** Requests to withdraw from an obstacle
 - 160.2.4.4 **TOW OUT:** Must be towed out
 - 160.2.4.5 **STUCK:** Becomes stuck in an obstacle
 - 160.2.4.6 **FAILS START:** Fails to start an obstacle
 - 160.2.4.7 **OUTSIDE ASSISTANCE:** Permits any obvious outside assistance
 - 160.2.4.8 **ABANDON ROUTE:** Touches the marked line demarcating the route for more than four metres OR travelling with two wheels simultaneously on the marked line demarcating the route.
 - 160.2.3.9 **SAFETY RISKS** If any door or safety net open in an obstacle OR if any object, fitted or fastened to the vehicle became loose during an obstacle.

161. SERVICING AND ASSISTANCE

- 161.1 No assistance is allowed within the boundaries of an obstacle. If a vehicle cannot complete an obstacle because of breakage or any other cause, all points will be forfeited as obstacle failure and no second chance will be allowed.
- 161.2 If a competitor's vehicle needs urgent repairs, he may elect to do such repairs by falling out of the competition for the duration of the repairs.
- 161.3 Upon completion of the repairs, the competitor may return to the competition provided that the vehicle must be scrutinised before re-entering the competition in his allocated starting position. All points for obstacles missed by the competitor during his absence will be forfeited.
- 161.4 No vehicle will be allowed to attempt or enter an obstacle without four-wheel drive being operational. Once the competitor has moved into the obstacle, he may disengage four-wheel drive, provided that he does not damage the obstacle by excessive spinning of the vehicle's wheels or in any other way, in which case a Marshal will stop the competitor and he may only continue after four-wheel drive has been made operational.

162. EXCLUSION

- 162.1 Competitors will be excluded or regarded as non-finishers at the discretion of the Clerk of the Course for:
- 162.1.1 Failing to stop at any control point and not obeying the instructions as set out in these regulations.
 - 162.1.2 Finishing the event with a vehicle having a chassis, frame, sub-frame, body or engine different to that fitted to the vehicle at the start of the event.
 - 162.1.3 Changing an obstacle by removing or shifting rocks, trees, etc.
 - 162.1.4 Practising on the course after obstacles or demarcated obstacle has been set out.
 - 162.1.5 If it is reported to the organizer before the closing of the event that a competitor:
 - i) Behaved in a manner likely to prejudice the interest of motor sport generally.
 - ii) Drove dangerously, under the influence of liquor or drugs or without due consideration for other competitors or spectators.
 - iii) Allowed a person who will not be entered as the official driver or co-driver, to be in control of the vehicles from the period arriving at the Vasbyt venue until leaving the Vasbyt venue.
 - iv) Failed to declare to the organizers, on the incident report form, obtainable from the Clerk of the Course, any accidents during the event involving any person or property.
 - v) Committed any breach by the General Competition Rules of NMSF and these Supplementary Regulations for which no specific penalties are stipulated.

163. PENALTIES

See PART VIII SPR 174 to 184

164. PROTEST

See PART IX SPR 199 to 208

The fee payable for a protest shall be as stated in Appendix "R" to the SPR's.

165. APPEALS AND ENQUIRIES

See PART X SPR 209 to 226

The fee payable for appeals shall be as stated in Appendix “R” to the SPR’s.

166. WINNERS OF AN EVENT

166.1 The competitors (driver & co-driver) that obtain the highest score in his/her class will be declared the winner of that class for that specific event.

166.2 Co-Drivers will score separately and will only score points on those obstacles that they were indeed in the vehicle. (If a co-driver thus decided not to participate in a specific obstacle, it will be indicated as “Not Compete” and no points will be scored for that obstacle by the co-driver)

166.3 Driver / co-driver must compete in at least 50 % of the obstacles to qualify for a trophy.

166.4 In the case of a tie, the competitor with the highest number of full scores or highest scores on obstacles will be the winner and the same applies for second and third place.

166.5 To give overall winner trophies at an event will be at the discretion of the Clerk of the Course and the organisers and will be scored on the highest points scored for the day, followed by the second and third highest score respectively. In a case of a tie, the same principles as set out in par 166.4 will be applied.

166.6 A participant in “Extreme Class” will not be considered for the “Overall Winner” for an event, irrespective if he/she has the highest score.

167. NATIONAL CHAMPIONSHIPS

167.1 Five national events will be held during each year, starting with the first event as indicated by the NMSF. Only competitors with NMSF licenses will be eligible for the NMSF national championships. Irrespective of the number of competitors who participate in a specific class at a specific event with day licenses, the points achieved by a NMSF licensed competitor in such competition will count for the NMSF national championships.

167.2 A competitor will be allowed to participate in all five events, providing that he/she meets the requirements as set out by the NMSF.

167.3 For the National championship, all five events will be counted to accumulate points. No event will be disregarded but a competitor must compete in at least three events to qualify for the national championship.

- 167.3.1 For participating in an event: 1 Point
- 167.3.2 For a third place: 3 Points
- 167.3.3 For a second place: 4 Points
- 167.3.4 For a first place: 5 Points.

167.4 For the National Overall winner, a competitor will score as such for each event participating in:

- 167.4.1 Each Third Place Overall: 3 Points
- 167.4.2 Each second third place Overall: 4 Points
- 167.4.3 Each first place Overall: 5 Points

SSR’s 168 – 199 RESERVED