

Technical Regulations for the **Tilal Swaihan Sand Drag Racing Championship** for Bikes 2019/2020

General Requirements for the following Categories

UTV STOCK CATEGORY

1. Vehicle Chassis

- 1.1. *Can-Am chassis are allowed*
 - 1.1.1. *Side by Side / 2-Seater Model*
 - 1.1.2. *Side by Side / 4-Seater Model*
- 1.2. *Polaris chassis are allowed*
 - 1-2-1 *Side by Side / 2-Seater Model*
 - 1-2-2 *Side by Side / 4-Seater Model*
- 1.3. *Yamaha chassis are allowed*
 - 1.3.1. *Side by Side / 2-Seater Model*
 - 1.3.2. *Side by Side / 4-Seater Model*
- 1.4. *The Wheelbase is not allowed to be extended or shortened*
- 1.5. *Chassis are not allowed to be cut or tempered with*
- 1.6. *It is not allowed to install a Wheelie Bar*

2. Vehicle Body

- 2.1. *The body must be the OEM with all its parts according to the chosen chassis*
 - 2.1.1. *A Safety Net must be fitted for the racer*

3. Suspension Systems

- 3.1. *It is not allowed to replace the OEM suspension systems with sports "Racing/ Aftermarket" systems*
 - 3.1.1. *It is not allowed to modify the suspension system supports*

4. Brake System

- 4.1. *Install the front and rear brake system with all its accessories*
- 4.2. *It is not allowed to replace the OEM brake systems with sports "Racing/ Aftermarket" system*

5. Roll Cage

- 5.1. The OEM "Racing/Aftermarket" roll cage is allowed to be replaced
 - 5.1.1. Mild Steel or Chromoly safety metal is allowed to be used
 - 5.1.2. The safety rods must be at least of 1,5-inch diameter and 2 mm in thickness
- 5.2. All points of convergence of the roll cage rods must be welded completely
- 5.3. The roll cage must be adjacent to the vehicle roof so that it is not lower than the racer's helmet
- 5.4. It is not allowed to use, for example but not limited to, aluminum or galvanized metals for the roll cage

6. Seat

- 6.1. It is allowed to replace the OEM seat with sports "Racing/Aftermarket" seat

7. Fuel Tank

- 7.1. It is not allowed to replace the OEM fuel tank with sports "Racing/Aftermarket" fuel tank
- 7.2. It is not allowed to modify the fuel tank

8. Battery

- 8.1. Install the battery on the OEM support
- 8.2. It is not allowed to install the battery by, for example but not limited to, a Cable Tie/ Tie Downs Strap

9. Safety Harness

- 9.1. Install the safety harness with three points of contact at least

10. Helmet

- 10.1. Provide a Full-Face helmet with a plastic cover not less than SFI 24.1, FIA 8859-2015 or Snell SA2010 standards

11. Racing Suits

- 11.1. Provide a racing suit not less than SFI 3.2a / 1 or FIA 8856-2000 standards

12. Gloves

- 12.1. Provide gloves not less than SFI 3.3/1 or FIA 8856-2000 standards

13. Racing Shoes

- 13.1. provide shoes not less than SFI 3.3/5 or FIA 8856-2000 standards

14. Engine

- 14.1. *It is allowed to use the engine for the same chassis used only*
- 14.1.1. *It is allowed to modify the OEM programming*
- 14.1.2. *It is allowed to replace the OEM sprayers with sports "Racing/Aftermarket" sprayers*
- 14.1.3. *It is allowed to replace the OEM turbo actuators with sports "Racing/Aftermarket" turbo actuators*
- 14.1.4. *It is allowed to replace the OEM air filter with sports "Racing/Aftermarket" air filter*
- 14.1.5. *It is allowed to replace the OEM exhaust with sports "Racing/Aftermarket" exhaust not less than one muffler*
- 14.1.6. *It is not allowed to replace the OEM computer with sports "Racing/Aftermarket" computer*
- 14.1.7. *The engine is not allowed to be increased*
- 14.1.8. *It is not allowed to replace the OEM turbo with sports "Racing/Aftermarket" turbo*
- 14.1.9. *It is not allowed to modify the OEM turbo*

15. Transmission

- 15.1. *It is not allowed to replace the OEM transmission with sports "Racing/Aftermarket" transmission according to the chassis used*
- 15.2. *It is not allowed to modify the OEM transmission with sports "Racing/Aftermarket" transmission*

16. Clutch

- 16.1. *It is not allowed to replace the OEM clutch with sports "Racing/Aftermarket" clutch*

17. Nitrous System

- 17.1. *It is not allowed to install a dry or wet Nitrous System*

18. Tires

- 18.1. *It is allowed to use tyres of any type and size*

19. Wheels

- 19.1. *It is allowed to use wheels of any type and size*
- 19.2. *Install and fix all the studs and nuts of the wheels*

20. **Fuel**

20.1. *It allowed to use station fuel up to a maximum of 89 octane*

21. **Special Requirements for the Technical Inspection**

21.1. *Open the plastic external cover to inspect the Turbo and detach the air filter tube before the technical inspection*

21.2. *Open the clutch plastic cover to inspect the clutch before the technical inspection*

UTV STOCK MODIFY CATEGORY

1. Vehicle Chassis

- 1.1. Can-Am chassis are allowed
 - 1.1.1. Side by Side / 2-Seater Model
 - 1.1.2. Side by Side / 4-Seater Model
- 1.2. Polaris chassis are allowed
 - 1.2.1. Side by Side / 2-Seater Model
 - 1.2.2. Side by Side / 4-Seater Model
- 1.3. Yamaha chassis are allowed
 - 1.3.1. Side by Side / 2-Seater Model
 - 1.3.2. Side by Side / 4-Seater Model
- 1.4. The Wheelbase is not allowed to be extended or shortened
- 1.5. Chassis is not allowed to be cut or tempered with
- 1.6. It is not allowed to install a Wheelie Bar

2. Vehicle Body

- 2.1. The body must be the OEM with all its parts according to the chosen chassis
 - 2.1.1. A Safety Net must be fitted for the racer

3. Suspension Systems

- 3.1. It is allowed to replace the OEM suspension systems with sports "Racing/Aftermarket" systems
 - 3.1.1. It is not allowed to modify the suspension system supports

4. Brake System

- 4.1. Install the front and rear brake system with all its accessories
- 4.2. It is allowed to replace the OEM brake system with sports "Racing/Aftermarket" system

5. Roll Cage

- 5.1. The OEM "Racing/Aftermarket" roll cage is allowed to be replaced
 - 5.1.1. Mild Steel or Chromoly safety metal is allowed to be used
 - 5.1.2. The safety rods must be at least of 1,5-inch diameter and 2 mm in thickness
- 5.2. All points of convergence of the roll cage rods must be welded completely

5.3. *The roll cage must be adjacent to the vehicle roof so that it is not lower than the racer's helmet*

5.4. *It is not allowed to use, for example but not limited to, aluminum or galvanized metals for the roll cage*

6. Seat

6.1. *It is not allowed to replace the OEM seat with sports "Racing/Aftermarket" seat*

7. Fuel Tank

7.1. *It is allowed to replace the OEM fuel tank with sports "Racing/Aftermarket" fuel tank*

7.2. *It is allowed to modify the fuel tank*

8. Battery

8.1. *It is allowed to change the location of the battery*

8.1.1. *The battery shall be installed on stable and hard supports*

8.2. *It is not allowed to install the battery by, for example but not limited to, a Cable Tie/ Tie Downs Strap*

9. Battery Disconnect Switch

9.1. *Install a battery disconnect switch close the racer*

9.1.1. *Install an ON/OFF sticker*

10. Safety Harness

10.1. *Install the safety harness with three points of contact at least*

11. Helmet

11.1. *Provide a Full-Face helmet with a plastic cover not less than SFI 24.1, FIA 8859-2015 or Snell SA2010 standards*

12. Racing Suits

12.1. *Provide a racing suit not less than SFI 3.2a / 1 or FIA 8856-2000 standards*

13. Gloves

13.1. *Provide gloves not less than SFI 3.3/1 or FIA 8856-2000 standards*

14. Racing Shoes

14.1. *provide shoes not less than SFI 3.3/5 or FIA 8856-2000 standards*

15. Engine

- 15.1. It is allowed to use the engine for the same chassis used only
- 15.1.1. It is allowed to replace the OEM computer with sports "Racing/Aftermarket" computer
- 15.1.2. It is allowed to replace the OEM fuel system with sports "Racing/Aftermarket" fuel system
- 15.1.3. It is allowed to replace the OEM turbo actuator with sports "Racing/Aftermarket" turbo actuator
- 15.1.4. It is allowed to replace the OEM air filter with sports "Racing/Aftermarket" air filter
- 15.1.5. It is allowed to replace the OEM exhaust with sports "Racing/Aftermarket" exhaust
- 15.1.6. The engine is allowed to be increased
- 15.1.7. It is allowed to replace the OEM turbo with sports "Racing/Aftermarket" turbo

16. Transmission

- 16.1. It is allowed to modify the OEM transmission with sports "Racing/Aftermarket" transmission
- 16.2. It is not allowed to replace the OEM transmission with sports "Racing/Aftermarket" transmission according to the chassis used

17. Clutch

- 17.1. It is allowed to replace the OEM clutch with sports "Racing/Aftermarket" clutch

18. Nitrous System

- 18.1. It is not allowed to install a dry or wet Nitrous System

19. Tires

- 19.1. It is allowed to use tyres of any type and size

20. Wheels

- 20.1. It is allowed to use wheels of any type and size
- 20.2. Install and fix all the studs and nuts of the wheels

21. Fuel

- 21.1. It allowed to use all types of fuel

UTV OPEN CATEGORY

1. Vehicle Chassis

- 1.1. Can-Am chassis are allowed
 - 1.1.1. Side by Side / 2-Seater Model
 - 1.1.2. Side by Side / 4-Seater Model
- 1.2. Polaris chassis are allowed
 - 1.2.1. Side by Side / 2-Seater Model
 - 1.2.2. Side by Side / 4-Seater Model
- 1.3. Yamaha chassis are allowed
 - 1.3.1. Side by Side / 2-Seater Model
 - 1.3.2. Side by Side / 4-Seater Model
- 1.4. The Wheelbase is allowed to be extended or shortened
- 1.5. Chassis is allowed to be cut or tempered with
- 1.6. It is allowed to install a Wheelie Bar

2. Vehicle Body

- 2.1. It is allowed to reduce body
 - 2.1.1. A Safety Net must be fitted for the racer

3. Suspension Systems

- 3.1. It is allowed to replace the OEM suspension systems with sports "Racing/Aftermarket" systems
 - 3.1.1. It is allowed to modify the suspension system supports

4. Brake System

- 4.1. Install the rear brake system with all its accessories
- 4.2. It is allowed to replace the OEM brake system with sports "Racing/Aftermarket" system

5. Roll Cage

- 5.1. The OEM "Racing/Aftermarket" roll cage is allowed to be replaced
 - 5.1.1. 5-1-1 Mild Steel, Titanium or Chromoly safety metal is allowed to be used
 - 5.1.2. 5-1-2 The safety rods must be at least of 1,5-inch diameter and 2 mm thickness
- 5.2. All points of convergence of the roll cage rods must be welded completely

5.3. *The roll cage must be adjacent to the vehicle roof so that it is not lower than the racer's helmet*

5.4. *It is not allowed to use, for example but not limited to, aluminum or galvanized metals for the roll cage*

6. Seat

6.1. *It is allowed to install a racing seat*

6.2. *Fix the seat on four supports installed on the chassis*

7. Fuel Tank

7.1. *It is allowed to replace the OEM fuel tank with sports "Racing/Aftermarket" fuel tank*

8. Battery

8.1. *It is allowed to change the location of the battery*

8.1.1. *The battery shall be installed on stable and hard supports*

8.2. *It is not allowed to install the battery by, for example but not limited to, a Cable Tie/ Tie Downs Strap*

9. Battery Disconnect Switch

9.1. *Install a battery disconnect switch close the racer*

9.1.1. *Install an ON/OFF sticker*

10. Tow Hooks

10.1. *Install a tow hook for the front and rear towing*

11. Safety Harness

11.1. *Install the safety harness with not less than five points and SFI 16.1 standards at least*

11.2. *Fix the supports of the safety harness points in the chassis and seat supports*

11.3. *Fix the safety harness two points of the shoulder in the taxi bar*

12. Helmet

12.1. *Provide a Full-Face helmet with a plastic cover not less than SFI 24.1, FIA 8859-2015 or Snell SA2010 standards*

13. Racing Suits

13.1. *Provide a racing suit not less than SFI 3.2a / 1 or FIA 8856-2000 standards*

14. **Gloves**

14.1. *Provide gloves not less than SFI 3.3/1 or FIA 8856-2000 standards*

15. **Racing Shoes**

15.1. *provide shoes not less than SFI 3.3/5 or FIA 8856-2000 standards*

16. **Engine**

16.1. *It is allowed to use an engine with not more than 3 cylinders*

16.1.1. *It is allowed to install the engine in the rear side*

16.1.2. *It is allowed to replace the OEM computer with sports "Racing/Aftermarket" computer*

16.1.3. *It is allowed to replace the OEM fuel system with sports "Racing/Aftermarket" fuel system*

16.2. *It is not allowed to use engines of motorbikes (used on city streets) or cars or rotary engines*

17. **Transmission**

17.1. *It is allowed to replace the OEM transmission with sports "Racing/Aftermarket" transmission*

18. **Clutch**

18.1. *It is allowed to replace the OEM clutch with sports "Racing/Aftermarket" clutch*

19. **Nitrous System**

19.1. *It is allowed to install a dry or wet Nitrous System*

19.2. *It is allowed to use the Nitrous System cylinders made of steel or carbon fibre*

19.3. *Fix the Nitrous System cylinders on stable and hard supports*

19.4. *It is not allowed to install the Nitrous System cylinders by, for example but not limited to, a Cable Tie/ Tie Downs Strap*

20. **Tires**

20.1. *It is allowed to use tyres of any type and size*

21. **Wheels**

21.1. *It is allowed to use wheels of any type and size*

21.2. *Install and fix all the studs and nuts of the wheels*

22. **Fuel**

22-1 *It allowed to use all types of fuel*

BUGGY CATEGORY

1. Vehicle Chassis

- 1.1. Tube chassis are allowed
 - 1.1.1. Side by Side / 2-Seater Model
 - 1.1.2. Side by Side / 4-Seater Model
 - 1.1.3. Mild Steel or Chromoly chassis metal is allowed to be used
- 1.2. The Wheelbase size should not be less than 3 m and not more than 3.45 m
- 1.3. Track size should not be less than 2.30 m and not more than 2.70 m
- 1.4. It is not allowed to install a wheelie bar

2. Vehicle Body

- 2.1. It is allowed to reduce body
 - 2.1.1. A Safety Net must be fitted for the racer

3. Suspension Systems

- 3.1. It is allowed to install all suspension systems

4. Brake System

- 4.1. Install the front and rear brake system with all its accessories

5. Roll Cage

- 5.1. Fix the 8 points of the roll cage on to the tube chassis "welding"
 - 5.1.1. Mild Steel or Chromoly metal is allowed to be used for the roll cage
 - 5.1.2. The rods of the roll cage must be at least of 1.5-inch in diameter and 2 mm in thickness
- 5.2. All points of convergence of the roll cage rods must be welded completely
- 5.3. The roll cage must be adjacent to the vehicle roof so that it is not lower than the racer's helmet
- 5.4. It is not allowed to use, for example but not limited to, aluminum or galvanized metals for the roll cage
- 5.5. It is not allowed to install the roll cage by the nut & bolt technique

6. Seat

- 6.1. It is allowed to install a buggy seat
- 6.2. Fix the seat on four supports installed on the chassis

7. Fuel Tank

7.1. It is allowed to install the fuel tank on stable and hard supports

8. Battery

8.1. The battery shall be installed on stable and hard supports

8.2. It is not allowed to install the battery by, for example but not limited to, a Cable Tie/ Tie Downs Strap

9. Battery Disconnect Switch

9.1. Install a battery disconnect switch close the racer

9.1.1. Install an ON/OFF sticker

10. Tow Hooks

10.1. Install a tow hook for the front and rear towing

11. Safety Harness

11.1. Install the safety harness with not less than five points and SFI 16.1 standards or six points and FIA 2016-8853 standards at least

11.2. Fix the supports of the safety harness points on to the chassis and seat supports

12. Helmet

12.1. Provide a Full-Face helmet with a plastic cover not less than SFI 24.1, FIA 8859-2015 or Snell SA2010 standards

13. Racing Suits

13.1. Provide a racing suit not less than SFI 3.2a / 1 or FIA 8856-2000 standards

14. Gloves

14.1. Provide gloves not less than SFI 3.3/1 or FIA 8856-2000 standards

15. Racing Shoes

15.1. provide shoes not less than SFI 3.3/5 or FIA 8856-2000 standards

16. Engine

16.1. It is allowed to install LS Series engines

16.2. It is allowed to install the engine in the rear

17. Transmission

17.1. It is allowed to install Transaxle system

17.2. It is allowed to install the automatic Transaxle system

18. Clutch

18.1. *It is allowed to use clutches of any type*

19. Nitrous System

19.1. *It is not allowed to install a dry or wet Nitrous System*

20. Tires

20.1. *It is allowed to use tyres of any type and size*

21. Wheels

21.1. *It is allowed to use wheels of any type and size*

21.2. *Install and fix all the studs and nuts of the wheels*

22. Fuel

22.1. *It allowed to use station fuel up to maximum of 98 octane*