

PRO NA.....	1
Pro UTV.....	8
Pro Unlimited.....	15
Stock Mod.....	21
Pro Open UTV.....	29
Pro Stock 2 .....	35
Sportsman UTV .....	43

Must meet one of these classes rules.

No Maverik R or Pro R cars in the Sportsman class.

### **PRO NA 1900-1999**

Production UTV built with production engine.

Vehicles built on production based Naturally Aspirated UTV's that are manufactured by registered companies who issue VIN #'s. Vehicle must have been series produced in quantities

of at least 1000 units in the same configuration prior to being allowed to race VORRA in the Naturally Aspirated UTV class. Vehicles can be built from a one, two or four seat UTV chassis

as long as it is sold to the general public as a Naturally Aspirated production vehicle. RS1 is allowed to race in PRO NA, subject to change in the 2025 season. No Turbo vehicles allowed. Minimum age for Driver of a PRO NA UTV is 14 years old at time of the event.

### **GENERAL REGULATIONS**

Class entrants shall comply with all class and applicable general regulations.

**COMPETITION REGULATIONS** This is a stock production-based class and all components will

be considered stock unless stated within these class rules.

#### SAFETY EQUIPMENT

GCR1: Helmets

GCR2: Protective clothing

GCR3: Eye protection

GCR4: Head and Neck Restraint

GCR5: First aid kit

GCR6: Emergency Signaling Devices

GCR7: Horns

GCR8: Reflectors

GCR9: Fire Extinguisher

GCR10: Survival Supplies

#### SUSPENSION COMPONENTS

Front and rear suspensions must be original manufacturer design as delivered from the factory and must remain in original stock locations. Stock pivot points must be retained with reinforcement for strength allowed.

GCR11: Shock absorbers & bump stops

Only one Coil Over Shock allowed per wheel. Open to any manufacture shock and mounting location.

GCR12: Secondary suspension

Bump stops are permitted. Must be a solid type. No hydraulic or air bump stops.

GCR13: Wheels & tires

Maximum tire size of 35x11.00x15. Tire must be marketed as a 35" and labeled with size on side of tire.

Maximum wheel size is 15". All wheels will be required to have race vehicle number stamped or engraved near the valve stem including spare wheels.

GCR14: Fasteners

## STEERING AND BRAKE COMPONENTS

GCR15: Steering

Power steering allowed

Any manufacturer steering wheel may be used.

GCR16: Brakes

Open to any aftermarket system.

Turning or steering brakes are not permitted.

## ELECTRICAL SYSTEM

Vehicles are required to have a Siren.

GCR17: Ignition

All OEM engine electronics must be used including the stock ECM. ECM's may be flashed.

No aftermarket ECM's allowed.

GCR18: Battery

Batteries may be relocated.

Acid filled batteries must be fully enclosed with a container capable of holding any fluid that may leak out of battery.

Batteries mounted inside the driver's compartment must be covered. No acid filled batteries allowed inside driver's compartment.

All vehicles must have a battery disconnect switch that shuts off all power to the vehicle.

GCR19: Lights

Rear Facing Lights:

Vehicles must have two (2) working brake lights at all times.

Two (2) red tail lights and one (1) steady burn amber light are required to be wired directly to the battery cut-off switch. These lights must operate when the battery

switch is placed in the “on” position. An inline fuse or connector is allowed.

MANDATORY Blue Strobe light required on all UTVs for safety. Approved lights must be a minimum of 3”x6” with a minimum of 12 LED’s and a minimum of 16 watts. Must be equivalent to either KC#1313 or ATCSAFETY-B. If the blue strobe light is not either of the listed lights, the approval of the blue strobe light is at the discretion of the UTV technical inspector or race director.

This light should be wired to the ignition switch so it only operates when the ignition is turned on. The purpose of this light is to help other competitors recognize that they are approaching a UTV.

Contact All Terrain Concepts at 877-231-1859 or

Contact KC HiLites 888-689-5955

All lights must be mounted in a manner that is clearly visible from the rear of the vehicle without obstruction.

GCR20: Starter

GCR21: Fuel

Fuel delivery system must be stock configuration. No aftermarket fuel controllers.

Any fuel injector, pump, filter or regulator may be used.

GCR22: Fuel tanks

Safety fuel cells are required. Any fuel cell placed inside the driver compartment must have a fire wall that covers the fuel cell, filler neck and fuel lines.

Auxiliary fuel tanks are allowed as long as they are safety fuel cells.

GCR23: Fuel filler, vents & caps

Fuel filler must be separate from the driver’s compartment. Fuel filler must be located as far away from the exhaust and engine as possible. Splash guards between the engine and exhaust are recommended. A splash guard is required when the filler neck is

mounted close to the drivers to help prevent fuel from splashing into the cockpit. One TBolt style hose clamp is recommended at each connection. If standard hose clamps are used, two clamps will be required per connection. A secondary external discriminator valve is required and should be mounted in a visible location at no more than a 15 degree angle.

## ENGINE TRANSMISSION & DRIVELINES

### GCR24: Engine location & displacement

Limited to a stock engine with a maximum displacement of 1000cc.

All engines must use OEM stock engine cases and cylinder heads. All other internal engine components are open. Please email any questions or to get clarification:

VORRAracing75@gmail.com

### GCR25: Engine replacement

### GCR26: Transmission

Stock gearbox cases and clutch design must be used. Internal components are open.

Must have a functioning reverse gear.

## DIFFERENTIAL

Any OEM front or rear differential may be used as long as it is available from the vehicle manufacture as a factory part. i.e. Polaris Razor uses Polaris part, Can-Am X3 uses Can-Am part etc...

### GCR27: Throttles

Throttle body must be OEM stock. No modifications allowed.

### GCR28: Exhaust

### GCR29: Driveshafts

### GCR30: Flywheel shields

### GCR31: Fluid coolers

Any fluid coolers located inside or in front of driver's compartment must have a shield in

place to prevent fluids from leaking back onto vehicle occupants.

All fluid lines passing through the driver's compartment must be shielded including steel braided lines.

GCR32: Auxiliary equipment

GCR33: Superchargers & turbochargers

No Superchargers or Turbochargers permitted.

## VEHICLE SAFETY EQUIPMENT

GCR34: Roll cages

Intrusion Bars

Required to have intrusion bars in the front windshield area. Intrusion bars can be configured in a single vertical bar, Inverted V or V shape. The intrusion bar must be a minimum diameter of 1.5" OD with a minimum thickness of 0.120" wall for Seamless Mild steel 0.095" for 4130 Chrome Moly tubing. The maximum horizontal opening can be no larger than 30" at the widest point.

GCR35: Safety harness

GCR36: Safety nets

GCR37: Seating

Any racing seat may be used but must remain in the approximate stock location.

Additional seat bracing may be required. Minimum of 2 seats.

## GENERAL VEHICLE COMPONENTS

GCR38: Driver's compartment

GCR39: Doors & latches

Doors that open and close are not allowed.

Door openings must be completely covered with aluminum at a .060 thickness or greater. Door area must have "X", "A", "V" or Ladder design bracing and all tubing must be a minimum 1.5" OD x .095" 4130 Chrome Moly or 1018/1012 CDS/DOM.

GCR40: Firewalls

GCR41: Ballast

GCR42: Weight

GCR43: Floorboards

GCR44: Bumpers

Vehicles must have front and rear bumpers that stick out a minimum of 2" past the tires, front to back. Bumpers must be secured to the frame with a minimum diameter 1.5" OD x.095" wall thickness tubing.

GCR45: Mirrors

GCR46: Skid plates

GCR47: Storage

GCR48: Fenders

Stock front and rear fenders must be used.

GCR49: Chassis & body

#### CHASSIS

The OEM stock frame may be added to for strength and durability or replaced entirely. All frames must retain the stock appearance, configuration, design, width and length.

Overall width is limited to 80 inches as measured from outside of tire to outside of tire at ride height.

The wheel base must not exceed 8" over the factory dimension and can only be achieved through suspension components.

#### Body

The Factory front and rear fenders, grill assembly and hood must be used. The roof must be covered with sheet metal or aluminum with a minimum thickness of .060.

Vehicles must retain all body parts during the entire event excluding accidental damages.

GCR50: Hoses

GCR51: Identification markers

Black or white number plates with black or white numbers. 4”H front, 8”H sides, 6”H rear.

GCR52: Advertising on vehicles

GCR53: Workmanship

GCR54: Radio equipment

All vehicles are required to have a VHF type radio installed in the race vehicle along with their team radio frequency posted inside on roof area, passenger side. VORRA uses frequency 151.625 MHz and recommends installing this channel in the race vehicles.

GCR55: Scoring Transponders

### **PRO Turbo UTV T900-T999**

Production UTV built with production 1000cc turbo engine or 2000cc naturally aspirated engine.

Vehicles built on production based UTV’s that are manufactured by registered companies who

issue VIN #'s. Vehicle must have been series produced in quantities of at least 1000 units in the

same configuration prior to being allowed to race VORRA in the Pro UTV class. Vehicles can be built from a two or four seat UTV chassis as long as it is sold to the general public as a Turbo

or Naturally Aspirated production vehicle. Minimum age for Driver of a PRO UTV is 14 years old

at time of the event

### **GENERAL REGULATIONS**

Class entrants shall comply with all class and applicable general regulations.



## COMPETITION REGULATIONS

This is a stock production-based class and all components will be considered stock unless stated within these class rules.

### SAFETY EQUIPMENT

GCR1: Helmets

GCR2: Protective clothing

GCR3: Eye protection

GCR4: Head and Neck Restraint

GCR5: First aid kit

GCR6: Emergency Signaling Devices

GCR7: Horns

GCR8: Reflectors

GCR9: Fire Extinguisher

GCR10: Survival Supplies

### SUSPENSION COMPONENTS

Front and rear suspensions must be original manufacturer design as delivered from the factory and must remain in original stock locations. Stock pivot points must be retained with reinforcement for strength allowed.

GCR11: Shock absorbers & bump stops

Only one Coil Over Shock allowed per wheel. Open to any manufacture shock and mounting location.

GCR12: Secondary suspension

Bump stops are permitted. Must be a solid type. No hydraulic or air bump stops.

GCR13: Wheels & tires

Maximum tire size of 35x11.00x15. Tire must be marketed as a 35" and labeled with size on side of tire.

Maximum wheel size is 15". All wheels will be required to have race vehicle number stamped or engraved near the valve stem including spare wheels.

GCR14: Fasteners

#### STEERING & BRAKE COMPONENTS

GCR15: Steering

Power steering allowed

Any manufacturer steering wheel may be used.

GCR16: Brakes

Open to any aftermarket system.

Turning or steering brakes are not permitted.

#### ELECTRICAL SYSTEM

Vehicles are required to have a Siren.

GCR17: Ignition

All OEM engine electronics must be used including the stock ECM. ECM's may be flashed.

No aftermarket ECM's allowed.

GCR18: Battery

Batteries may be relocated.

Acid filled batteries must be fully enclosed with a container capable of holding any fluid that may leak out of battery.

Batteries mounted inside the driver's compartment must be covered. No acid filled batteries allowed inside driver's compartment.

All vehicles must have a battery disconnect switch that shuts off all power to the vehicle.

GCR19: Lights

Rear Facing Lights:

Vehicles must have two (2) working brake lights at all times.

Two (2) red tail lights and one (1) steady burn amber light are required to be wired directly to the battery cut-off switch. These lights must operate when the battery switch is placed in the “on” position. An inline fuse or connector is allowed.

MANDATORY Blue Strobe light required on all UTVs for safety. Approved lights must be a minimum of 3”x6” with a minimum of 12 LED’s and a minimum of 16 watts. Must be equivalent to either KC#1313 or ATCSAFETY-B. If the blue strobe light is not either of the listed lights, the approval of the blue flashing strobe light is at the discretion of the UTV technical inspector or race director.

This light should be wired to the ignition switch so it only operates when the ignition is turned on. The purpose of this light is to help other competitors recognize that they are approaching a UTV.

Contact All Terrain Concepts at 877-231-1859 or

Contact KC HiLites 888-689-5955

All lights must be mounted in a manner that is clearly visible from the rear of the vehicle without obstruction.

GCR20: Starter

GCR21: Fuel

Fuel delivery system must be stock configuration. No aftermarket fuel controllers.

Any fuel injector, pump, filter or regulator may be used.

GCR22: Fuel tanks

Safety fuel cells are required. Any fuel cell placed inside the driver compartment must have a fire wall that covers the fuel cell, filler neck and fuel lines.

Auxiliary fuel tanks are allowed as long as they are safety fuel cells.

GCR23: Fuel filler, vents & caps

Fuel filler must be separate from the driver’s compartment. Fuel filler must be located as far away from the exhaust and engine as possible. Splash guards between the engine

and exhaust are recommended. A splash guard is required when the filler neck is mounted close to the drivers to help prevent fuel from splashing into the cockpit. One TBolt style hose clamp is recommended at each connection. If standard hose clamps are used, two clamps will be required per connection. A secondary external discriminator valve is required and should be mounted in a visible location at no more than a 15 degree angle.

## ENGINE TRANSMISSION & DRIVELINES

### GCR24: Engine location & displacement

Limited to a maximum of 1000cc Turbo engine or a maximum of 2000cc Naturally Aspirated.

Turbo engines must be production based and use stock turbo; no aftermarket Turbos allowed.

Naturally Aspirated engines must be production based, no Turbo or Supercharge allowed.

All engines must use OEM Stock engine cases & cylinder heads. All other internal engine components are open. Please email any questions or to get clarification.

### GCR25: Engine replacement

### GCR26: Transmission

Stock gearbox cases and clutch design must be used. Internal components are open.

Must have a functioning reverse gear.

## DIFFERENTIAL

Any OEM front or rear differential may be used as long as it is available from the vehicle manufacture as a factory part. i.e. Polaris Razor uses Polaris part, Can-Am X3 uses Can-Am part etc.

### GCR27: Throttles

Throttle body must be OEM stock. No modifications allowed.

The air tube connecting the turbo to the throttle body on the Polaris RZR may be replaced with an aftermarket tube.

GCR28: Exhaust

GCR29: Driveshafts

GCR30: Flywheel shields

GCR31: Fluid coolers

Any fluid coolers located inside or in front of driver's compartment must have a shield in place to prevent fluids from leaking back onto vehicle occupants.

All fluid lines passing through the driver's compartment must be shielded including steel braided lines.

GCR32: Auxiliary equipment

GCR33: Superchargers & turbochargers

No Superchargers permitted.

Turbo chargers must remain stock as delivered from the factory. No modifications.

#### INTERCOOLERS

Engines that use water to air intercoolers can change or move the radiator from the intercooler. The intercooler itself must remain stock with no additional intercooler being used or added.

Engines that use air to air intercoolers must remain OEM stock. Mounting location is open.

#### VEHICLE SAFETY EQUIPMENT

GCR34: Roll cages

Intrusion Bars

Required to have intrusion bars in the front windshield area. Intrusion bars can be configured in a single vertical bar, inverted V or V shape. The intrusion bar must be a minimum diameter of 1.5" OD with a minimum thickness of 0.120" wall for

Seamless Mild steel 0.095" for 4130 Chrome Moly tubing. The maximum horizontal opening can be no larger than 30" at the widest point.

GCR35: Safety harness

GCR36: Safety nets

GCR37: Seating

Any racing seat may be used but must remain in the approximate stock location.

Additional seat bracing may be required. Minimum of 2 seats.

#### GENERAL VEHICLE COMPONENTS

GCR38: Driver's compartment

GCR39: Doors & latches

Doors that open and close are not allowed.

Door openings must be completely covered with aluminum at a .060 thickness or greater. Door area must have "X", "A", "V" or Ladder design bracing and all tubing must be a minimum 1.5" OD x .095" 4130 Chrome Moly or 1018/1012 CDS/DOM.

GCR40: Firewalls

GCR41: Ballast

GCR42: Weight

GCR43: Floorboards

GCR44: Bumpers

Vehicles must have front and rear bumpers that stick out a minimum of 2" past the tires, front to back. Bumpers must be secured to the frame with a minimum diameter 1.5" OD x .095" wall thickness tubing.

GCR45: Mirrors

GCR46: Skid plates

GCR47: Storage

GCR48: Fenders

Stock front and rear fenders must be used.

#### GCR49: Chassis & body

##### CHASSIS

The OEM stock frame may be added to for strength and durability or replaced entirely. All frames must retain the stock appearance, configuration, design, width and length.

Overall width is limited to 88 inches as measured from outside of tire to outside of tire at ride height.

Maximum wheel base is 140 inches.

The wheel base must not exceed 8" over the factory dimension and can only be achieved through suspension components.

##### Body

The Factory front and rear fenders, grill assembly and hood must be used. The roof must be covered with sheet metal or aluminum with a minimum thickness of .060.

Vehicles must retain all body parts during the entire event excluding accidental damages.

#### GCR50: Hoses

#### GCR51: Identification markers

Black or white number plates with black or white numbers. 4"H front, 8"H sides, 6"H rear.

#### GCR52: Advertising on vehicles

#### GCR53: Workmanship

#### GCR54: Radio equipment

All vehicles are required to have a VHF type radio installed in the race vehicle along with their team radio frequency posted inside on roof area, passenger side. VORRA uses frequency 151.625 MHz and recommends installing this channel in the race vehicles.

#### GCR55: Scoring Transponders

## **PRO UNLIMITED UTV 2900-2999**

### **UNLIMITED UTV WITH LIMITED ENGINE**

1000cc Turbo or 2000cc Naturally Aspirated engine. No automotive engines. Minimum age for

Driver of a PRO UNLIMITED UTV is 14 years old at time of the event.

### **GENERAL REGULATIONS**

Class entrants shall comply with all class and applicable general regulations.

### **COMPETITION REGULATIONS**

This is an open class and all components will be considered open unless restrictions are placed

within these class rules.

### **SAFETY EQUIPMENT**

GCR1: Helmets

GCR2: Protective clothing

GCR3: Eye protection

GCR4: Head and Neck Restraint

GCR5: First aid kit

GCR6: Emergency Signaling Devices

GCR7: Horns

GCR8: Reflectors

GCR9: Fire Extinguisher

GCR10: Survival Supplies

### **SUSPENSION COMPONENTS**

GCR11: Shock absorbers & bump stops

Allowed two (2) shocks per wheel max.

GCR12: Secondary suspension



### GCR13: Wheels & tires

Maximum tire size of 35x11.00x15. Tire must be marketed as a 35" and labeled with size on side of tire.

Maximum wheel size is 15". All wheels will be required to have race vehicle number stamped or engraved near the valve stem including spare wheels.

### GCR15: Steering

### GCR16: Brakes

Turning or steering brakes are allowed.

## ELECTRICAL SYSTEM

Vehicles are required to have a Siren.

### GCR17: Ignition

### GCR18: Battery

Batteries may be relocated.

Acid filled batteries must be fully enclosed with a container capable of holding any fluid that may leak out of battery.

Batteries mounted inside the driver's compartment must be covered. No acid filled batteries allowed inside driver's compartment.

All vehicles must have a battery disconnect switch that shuts off all power to the vehicle.

### GCR19: Lights

#### Rear Facing Lights:

Vehicles must have two (2) working brake lights at all times.

Two (2) red tail lights and one (1) steady burn amber light are required to be wired directly to the battery cut-off switch. These lights must operate when the battery switch is placed in the "on" position. An inline fuse or connector is allowed.

MANDATORY Blue Strobe light required on all UTVs for safety. Approved lights must be a minimum of 3"x6" with a minimum of 12 LED's and a minimum of 16 watts. Must be

equivalent to either KC#1313 or ATCSAFETY-B. If the blue strobe light is not either of the listed lights, the approval of the blue flashing strobe light is at the discretion of the UTV technical inspector or race director.

This light should be wired to the ignition switch so it only operates when the ignition is turned on. The purpose of this light is to help other competitors recognize that they are approaching a UTV.

Contact All Terrain Concepts at 877-231-1859 or

Contact KC HiLites 888-689-5955

All lights must be mounted in a manner that is clearly visible from the rear of the vehicle without obstruction.

GCR20: Starter

GCR21: Fuel

GCR22: Fuel tanks

Safety fuel cells are required. Any fuel cell placed inside the driver compartment must have a fire wall that covers the fuel cell, filler neck and fuel lines.

Auxiliary fuel tanks are allowed as long as they are safety fuel cells.

GCR23: Fuel filler, vents & caps

Fuel filler must be separate from the driver's compartment. Fuel filler must be located as far away from the exhaust and engine as possible. Splash guards between the engine and exhaust are recommended. A splash guard is required when the filler neck is mounted close to the drivers to help prevent fuel from splashing into the cockpit. One TBolt style hose clamp is recommended at each connection. If standard hose clamps are used, two clamps will be required per connection. A secondary external discriminator valve is required and should be mounted in a visible location at no more than a 15 degree angle.

ENGINE TRANSMISSION & DRIVELINES

GCR24: Engine location & displacement

Limited to a maximum of 1200cc displacement for Turbo Engines and a maximum of 2000cc displacement for a Naturally aspirated.

GCR25: Engine replacement

GCR26: Transmission

Transmission type is open. Must have a functioning reverse gear.

GCR27: Throttles

GCR28: Exhaust

GCR29: Driveshafts

GCR30: Flywheel shields

GCR31: Fluid coolers

Any fluid coolers located inside or in front of driver's compartment must have a shield in place to prevent fluids from leaking back onto vehicle occupants.

All fluid lines passing through the driver's compartment must be shielded including steel braided lines.

GCR32: Auxiliary equipment

GCR33: Superchargers & turbochargers

Any Supercharger or Turbocharger is permitted.

## VEHICLE SAFETY EQUIPMENT

GCR34: Roll cages

Intrusion Bars

Required to have intrusion bars in the front windshield area. Intrusion bars can be configured in a single vertical bar, inverted V or V shape. The intrusion bar must be a minimum diameter of 1.5" OD with a minimum thickness of 0.120" wall for Seamless Mild steel 0.095" for 4130 Chrome Moly tubing. The maximum horizontal opening can be no larger than 30" at the widest point.

GCR35: Safety harness

GCR36: Safety nets

GCR37: Seating

Any racing seat may be used. Open to Single or Two seat vehicles.

#### GENERAL VEHICLE COMPONENTS

GCR38: Driver's compartment

GCR39: Doors & latches

Doors that open and close are not allowed.

Door openings must be completely covered with aluminum at a .060 thickness or greater.

Door area must have "X", "A", "V" or Ladder design bracing and all tubing must be a minimum 1.5" OD x .095" 4130 Chrome Moly or 1018/1012 CDS/DOM.

GCR40: Firewalls

GCR41: Ballast

GCR42: Weight

GCR43: Floorboards

GCR44: Bumpers

Vehicles must have front and rear bumpers that stick out a minimum of 2" past the tires, front to back. Bumpers must be secured to the frame with a minimum diameter 1.5" OD x .095" wall thickness tubing.

GCR45: Mirrors

GCR46: Skid plates

GCR47: Storage

GCR48: Fenders

GCR49: Chassis & body

#### CHASSIS

The OEM stock frame may be added to for strength and durability or replaced entirely.

Maximum wheel base is 140 inches.

Overall width is limited to 88 inches as measured from outside of tire to outside of tire at ride height.

#### BODY

Body is open. The roof must be covered with sheet metal or aluminum with a minimum thickness of .060.

GCR50: Hoses

GCR51: Identification markers

Black or white number plates with black or white numbers. 4"H front, 8"H sides, 6"H rear.

GCR52: Advertising on vehicles

GCR53: Workmanship

GCR54: Radio equipment

All vehicles are required to have a VHF type radio installed in the race vehicle along with their team radio frequency posted inside on roof area, passenger side. VORRA uses frequency 151.625 MHz and recommends installing this channel in the race vehicles.

GCR55: Scoring Transponders

#### **STOCK MOD S900-S999**

This is an open class and all components will be considered

open unless restrictions are placed within these class rules.

1000cc turbo engine or 2000cc naturally aspirated engine. No automotive engines.

Minimum age for Driver of a STOCK MOD UTV is 12 years old at time of the event.

#### GENERAL REGULATIONS

Class entrants shall comply with all class and applicable general regulations.

## COMPETITION REGULATIONS

This is a stock production-based class and all components will be considered stock unless stated within these class rules.

### SAFETY EQUIPMENT

GCR1: Helmets

GCR2: Protective clothing

GCR3: Eye protection

GCR4: Head and Neck Restraint

GCR5: First aid kit

GCR6: Emergency Signaling Devices

GCR7: Horns

GCR8: Reflectors

GCR9: Fire Extinguisher

GCR10: Survival Supplies

### SUSPENSION COMPONENTS

Front and rear suspensions must be original manufacturer design as delivered from the factory and must remain in original stock locations. Stock pivot points must be retained with reinforcement for strength allowed.

GCR11: Shock absorbers & bump stops

Only one Coil Over Shock allowed per wheel. Open to any manufacture shock and mounting location.

GCR12: Secondary suspension

Bump stops are permitted. Must be a solid type. No hydraulic or air bump stops.

GCR13: Wheels & tires

Maximum tire size of 35x11.00x15. Tire must be marketed as a 35" and labeled with size on side of tire.

Maximum wheel size is 15". All wheels will be required to have race vehicle number stamped or engraved near the valve stem including spare wheels.

#### GCR14: Fasteners

### STEERING & BRAKE COMPONENTS

#### GCR15: Steering

Power steering allowed

Any manufacturer steering wheel may be used.

#### GCR16: Brakes

Turning or steering brakes are allowed.

### ELECTRICAL SYSTEM

Vehicles are required to have a Siren.

#### GCR17: Ignition

All OEM engine electronics must be used including the stock ECM. ECM's may be flashed.

No aftermarket ECM's allowed.

#### GCR18: Battery

Batteries may be relocated.

Acid filled batteries must be fully enclosed with a container capable of holding any fluid that may leak out of battery.

Batteries mounted inside the driver's compartment must be covered. No acid filled batteries allowed inside driver's compartment.

All vehicles must have a battery disconnect switch that shuts off all power to the vehicle.

#### GCR19: Lights

Rear Facing Lights:

Vehicles must have two (2) working brake lights at all times.

Two (2) red tail lights and one (1) steady burn amber light are required to be wired

directly to the battery cut-off switch. These lights must operate when the battery switch is placed in the “on” position. An inline fuse or connector is allowed.

MANDATORY Blue Strobe light required on all UTVs for safety. Approved lights must be a minimum of 3”x6” with a minimum of 12 LED’s and a minimum of 16 watts. Must be equivalent to either KC#1313 or ATCSAFETY-B. If the blue strobe light is not either of the listed lights, the approval of the blue flashing strobe light is at the discretion of the UTV technical inspector or race director.

This light should be wired to the ignition switch so it only operates when the ignition is turned on. The purpose of this light is to help other competitors recognize that they are approaching a UTV.

Contact All Terrain Concepts at 877-231-1859 or

Contact KC HiLites 888-689-5955

All lights must be mounted in a manner that is clearly visible from the rear of the vehicle without obstruction.

GCR20: Starter

GCR21: Fuel

Fuel delivery system must be stock configuration. No aftermarket fuel controllers.

Any fuel injector, pump, filter or regulator may be used.

GCR22: Fuel tanks

OEM fuel tanks allowed. Aftermarket fuel tanks are allowed with a maximum of 15-gallon capacity. OEM & aftermarket tanks MUST be mounted & fill from the stock location.

Safety Fuel Cells are allowed. Any fuel cell placed inside the driver compartment must have a fire wall that covers the fuel cell, filler neck and fuel lines. Auxiliary Tanks are allowed with a maximum 15-gallon capacity. Auxiliary tank can remotely fill stock tank.

Auxiliary to stock tank fuel transfer must be controlled by a momentary switch, no on/off switch permitted. Red heads are allowed to connect to stock filler neck. No modifications



to OEM tank allowed.

GCR23: Fuel filler, vents & caps

ONLY FOR FUEL CELLS: Fuel filler must be separate from the driver's compartment.

Fuel filler must be located as far away from the exhaust and engine as possible. Splash guards between the engine and exhaust are recommended. A splash guard is required when the filler neck is mounted close to the drivers to help prevent fuel from splashing into the cockpit. One T- Bolt style hose clamp is recommended at each connection. If standard hose clamps are used, two clamps will be required per connection. A secondary external discriminator valve is required and should be mounted in a visible location at no more than a 15 degree angle.

ENGINE TRANSMISSION & DRIVELINES

GCR24: Engine location & displacement

Limited to a maximum of 1000cc displacement for Turbo Engines and a maximum of 2000cc displacement for a Naturally aspirated. No automotive engines.

GCR25: Engine replacement

GCR26: Transmission

Stock gearbox cases and clutch design must be used. Internal components are open. Must have a functioning reverse gear.

DIFFERENTIAL

Any front or rear differential may be used as long as it is available from the vehicle manufacture as a factory part. i.e. Polaris Razor uses Polaris part, Can-Am X3 uses Can-Am part etc.

GCR27: Throttles

Throttle body must be OEM stock. No modifications allowed.

GCR28: Exhaust

GCR29: Driveshafts

GCR30: Flywheel shields

GCR31: Fluid coolers

Any fluid coolers located inside or in front of driver's compartment must have a shield in place to prevent fluids from leaking back onto vehicle occupants.

All fluid lines passing through the driver's compartment must be shielded including steel braided lines.

GCR32: Auxiliary equipment

GCR33: Superchargers & turbochargers

No Superchargers permitted.

Turbo chargers must remain stock as delivered from the factory. No modifications.

#### INTERCOOLERS

Engines that use water to air intercoolers can change or move the radiator from the intercooler. The intercooler itself must remain stock with no additional intercooler being used or added.

Engines that use air to air intercoolers must remain OEM stock. Mounting location is open.

#### VEHICLE SAFETY EQUIPMENT

GCR34: Roll cages

Aftermarket bolt on cages are allowed. Aftermarket fully welded cages highly recommended.

#### NO STOCK CAGES ALLOWED

GCR34: Roll cages

#### Intrusion Bars

Required to have intrusion bars in the front windshield area. Intrusion bars can be configured in a single vertical bar, inverted V or V shape. The intrusion bar must be a minimum diameter of 1.5" OD with a minimum thickness of 0.120" wall for

Seamless Mild steel 0.095" for 4130 Chrome Moly tubing. The maximum horizontal opening can be no larger than 30" at the widest point.

GCR35: Safety harness

GCR36: Safety nets

GCR37: Seating

Any racing seat may be used but must remain in the approximate stock location.

Additional seat bracing may be required. Minimum of 2 seats.

#### GENERAL VEHICLE COMPONENTS

GCR38: Driver's compartment

GCR39: Doors & latches

Doors that open and close are allowed and are required to have a secondary latch to prevent

opening. Door openings must be completely covered with doors or side panels (aluminum at a

.060 thickness or greater).

Fully Welded Door area must have "X", "A", "V" or Ladder design bracing and all tubing must be a

minimum 1.5" OD x .095" 4130 Chrome Moly or 1018/1012 CDS/DOM.

GCR40: Firewalls

GCR41: Ballast

GCR42: Weight

GCR43: Floorboards

GCR44: Bumpers

Vehicles must have front and rear bumpers. It is highly recommended that the bumpers extend a minimum of 2" past the tires, front to back. Bumpers must be secured to the frame with a minimum diameter 1.5" OD x .095" wall thickness tubing.

GCR45: Mirrors

GCR46: Skid plates

GCR47: Storage

GCR48: Fenders

Stock front and rear fenders must be used.

GCR49: Chassis & body

## CHASSIS

The OEM stock frame may be added to for strength and durability or replaced entirely. All frames must retain the stock appearance, configuration, design, width and length.

Overall width is limited to 88 inches as measured from outside of tire to outside of tire at ride height.

The wheel base must not exceed 8" over the factory dimension and can only be achieved through suspension components.

## Body

Body is Open. The roof must be covered with sheet metal or aluminum with a minimum thickness of .060.

Vehicles must retain all body parts during the entire event excluding accidental damages.

GCR50: Hoses

GCR51: Identification markers

Yellow number plates with black numbers. 4"H front, 8"H sides, 6"H rear.

GCR52: Advertising on vehicles

GCR53: Workmanship

GCR54: Radio equipment

All vehicles are required to have a VHF type radio installed in the race vehicle along with their team radio frequency posted inside on roof area, passenger side. VORRA uses frequency 151.625 MHz and recommends installing this channel in the race vehicles.

GCR55: Scoring Transponders

### **PRO OPEN UTV 1800-1899**

Production UTV built with production 1000cc turbo engine or 2000cc naturally aspirated engine.

Vehicles built on production based UTV's that are manufactured by registered companies who issue VIN #'s. Vehicle must have been series produced in quantities of at least 1000 units in the same configuration prior to being allowed to race LEGACY in the Pro UTV class. Vehicles can be built from a two or four seat UTV chassis as long as it is sold to the general public as a Turbo or Naturally Aspirated production vehicle. Minimum age for Driver of a PRO UTV is 14 years old at time of the event.

### **GENERAL REGULATIONS**

Class entrants shall comply with all class and applicable general regulations.

### **COMPETITION REGULATIONS**

This is a stock production-based class and all components will be considered stock unless stated within these class rules.

### **SAFETY EQUIPMENT**

GCR1: Helmets

GCR2: Protective clothing GCR3: Eye protection

GCR4: Head and Neck Restraint GCR5: First aid kit

GCR6: Emergency Signaling Devices GCR7: Horns

GCR8: Reflectors GCR9: Fire Extinguisher

GCR10: Survival Supplies

### **SUSPENSION COMPONENTS**

Front and rear suspensions must be original manufacturer design as delivered from the factory and must remain in original stock locations. Stock pivot points must be retained with reinforcement for strength allowed.

GCR11: Shock absorbers & bump stops

Multiple Shocks allowed per wheel. Open to any manufacture shock and mounting location.

#### GCR12: Secondary suspension

Bump stops are permitted. Hydraulic or air bump stops allowed.

#### GCR13: Wheels & tires

Maximum tire size of 35x11.00x16. Tire must be marketed as a 35” and labeled with size on side of tire.

Maximum wheel size is 16”. All wheels will be required to have race vehicle number stamped or

engraved near the valve stem including spare wheels.

#### GCR14: Fastners

### STEERING & BRAKE COMPONENTS

#### GCR15: Steering

Power steering allowed

Any manufacturer steering wheel may be used.

#### GCR16: Brakes

Open to any aftermarket system.

Turning or steering brakes permitted.

### ELECTRICAL SYSTEM

Vehicles are required to have a Siren.

#### GCR17: Ignition

#### GCR18: Battery

Batteries may be relocated.

Acid filled batteries must be fully enclosed with a container capable of holding any fluid that may

leak out of battery.

Batteries mounted inside the driver's compartment must be covered. No acid filled batteries

allowed inside driver's compartment.

All vehicles must have a battery disconnect switch that shuts off all power to the vehicle.

#### GCR19: Lights

##### Rear Facing Lights:

Vehicles must have two (2) working brake lights at all times.

Two (2) red tail lights and one (1) steady burn amber light are required to be wired directly to the battery cut-off switch. These lights must operate when the battery switch is placed in the "on" position. An inline fuse or connector is allowed.

All lights must be mounted in a manner that is clearly visible from the rear of the vehicle without obstruction.

#### GCR20: Starter

#### GCR21: Fuel

#### GCR22: Fuel tanks

Safety fuel cells are required. Any fuel cell placed inside the driver compartment must have a fire wall that covers the fuel cell, filler neck and fuel lines.

Auxiliary fuel tanks are allowed as long as they are safety fuel cells.

#### GCR23: Fuel filler, vents & caps

Fuel filler must be separate from the driver's compartment. Fuel filler must be located as far away from the exhaust and engine as possible. Splash guards between the engine and exhaust are recommended. A splash guard is required when the filler neck is mounted close to the drivers to help prevent fuel from splashing into the cockpit. One T- Bolt style hose clamp is recommended at each connection. If standard hose clamps are used, two clamps will be required per connection. A secondary external discriminator valve is required and should be mounted in a visible location at no more than a 15 degree angle.

#### ENGINE TRANSMISSION & DRIVELINES

#### GCR24: Engine location & displacement

Limited to a maximum of 1000cc Turbo engine or a maximum of 2000cc Naturally Aspirated.

Turbo engines must be production based and use stock turbo; no aftermarket Turbos allowed.

Naturally Aspirated engines must be production based, no Turbo or Supercharge allowed.

All engines must use OEM Stock engine cases & cylinder heads. All other internal engine components are open.

UTV, Snowmobile, Motorcycle or ATV Engines allowed.

No Automotive engines.

Please email any questions or to get clarification.

GCR25: Engine replacement GCR26: Transmission

Stock gearbox cases and clutch design must be used. Internal components are open. Must have a functioning reverse gear.

DIFFERENTIAL

Open

GCR27: Throttles

GCR28: Exhaust

GCR29: Driveshafts

GCR30: Flywheel shields GCR31: Fluid coolers

Any fluid coolers located inside or in front of driver's compartment must have a shield in place to prevent fluids from leaking back onto vehicle occupants.

All fluid lines passing through the driver's compartment must be shielded including steel braided lines.

GCR32: Auxiliary equipment

GCR33: Superchargers & turbochargers

No Superchargers permitted.

Turbo chargers must remain stock as delivered from the factory. No modifications.



## INTERCOOLERS

Engines that use water to air intercoolers can change or move the radiator from the intercooler.

The intercooler itself must remain stock with no additional intercooler being used or added.

Engines that use air to air intercoolers must remain OEM stock. Mounting location is open.

## VEHICLE SAFETY EQUIPMENT

### GCR34: Roll cages

#### Intrusion Bars

Required to have intrusion bars in the front windshield area. Intrusion bars can be configured in a single vertical bar, inverted V or V shape. The intrusion bar must be a minimum diameter of 1.5" OD with a minimum thickness of 0.120" wall for Seamless Mild steel 0.095" for 4130 Chrome Moly tubing. The maximum horizontal opening can be no larger than 30" at the widest point.

### GCR35: Safety harness

### GCR36: Safety nets

### GCR37: Seating

Any race seat must be used and remain in the approximate stock location. Additional seat bracing may be required. Minimum of 2 seats.

## GENERAL VEHICLE COMPONENTS

### GCR38: Driver's compartment GCR39: Doors & latches

Doors that open and close are not allowed.

Door openings must be completely covered with aluminum at a .060 thickness or greater.  
Door

area must have "X", "A", "V" or Ladder design bracing and all tubing must be a minimum 1.5"

OD x .095" 4130 Chrome Moly or 1018/1012 CDS/DOM.

### GCR40: Firewalls

GCR41: Ballast

GCR42: Weight

GCR43: Floorboards

GCR44: Bumpers

Vehicles must have front and rear bumpers that stick out a minimum of 2" past the tires, front to back. Bumpers must be secured to the frame with a minimum diameter 1.5" OD x.095" wall

thickness tubing.

GCR45: Mirrors

GCR46: Skid plates

GCR47: Storage

GCR48: Fenders

Stock Front & Rear Fenders must be utilized. Minimum of 24 inches.

GCR49: Chassis & body CHASSIS

The OEM stock frame may be added to for strength and durability or replaced entirely. All frames must retain the stock appearance, configuration, design, width and length.

Overall width is limited to 88 inches as measured from outside of tire to outside of tire at ride height.

Maximum wheel base is 140 inches. Body

Open. The roof must be covered with sheet metal or aluminum with a minimum thickness of .060.

Vehicles must retain all body parts during the entire event excluding accidental damages.

GCR50: Hoses

GCR51: Identification markers

Black or white number plates with black or white numbers. 4"H front, 8"H sides, 6"H rear.

GCR52: Advertising on vehicles GCR53: Workmanship

#### GCR54: Radio equipment

All vehicles are required to have a VHF type radio installed in the race vehicle along with their

team radio frequency posted inside on roof area, passenger side. VORRA uses frequency 151.625 MHz and recommends installing this channel in the race vehicles.

#### GCR55: Scoring Transponders

### **PRO STOCK 2 U900-U999**

Production UTV built with production 1000cc Turbo or 2000cc N/A engine.

Vehicles built on production based UTV's (including electric vehicles) that are manufactured by registered companies who issue VIN #'s. Vehicle must have been series produced in quantities of at least 1000 units in the same configuration prior to being allowed to race VORRA in the Stock class.

Manufacturer's body, engine, transmission, drive train, chassis combination and seat configuration must be retained. Vehicles can be built from a 2 or 4 seat UTV chassis. Minimum age for Driver of a PRO STOCK 2 UTV is 12 years old at time of the event.

#### GENERAL REGULATIONS

Class entrants shall comply with all class and applicable general regulations.

#### COMPETITION REGULATIONS

This is a stock production-based class and all components will be considered stock unless stated within these class rules.

#### SAFETY EQUIPMENT

GCR1: Helmets

GCR2: Protective Clothing

GCR3: Eye

protection

GCR4: Head and Neck Restraint

GCR5: First aid kit

GCR6: Emergency Signaling Devices

GCR7: Horns

GCR8: Reflectors

GCR9: Fire Extinguisher

GCR10: Survival Supplies

#### SUSPENSION COMPONENTS

Front and rear suspensions must be original manufacturer design as delivered from the factory and must remain in original stock locations. Stock pivot points must be retained with reinforcement for strength allowed.

GCR11: Shock absorbers & bump stops

Only one Coil Over Shock allowed per wheel. Open to any manufacture shock and mounting location.

GCR12: Secondary suspension

Bump stops are permitted. Must be a solid type. No hydraulic or air bump stops.

GCR13: Wheels & tires

Maximum tire size of 35x11.00x15. Tire must be marketed as a 35" and labeled with size on side of tire.

Maximum wheel size is 15". All wheels will be required to have race vehicle number stamped or engraved near the valve stem including

spare wheels.

GCR14:Fasteners

## STEERING & BRAKE COMPONENTS

GCR15: Steering

Power steering allowed

Any manufacturer steering wheel may be used.

GCR16: Brakes

Turning or steering brakes are allowed.

## ELECTRICAL SYSTEM

Vehicles are required to have a Siren.

GCR17: Ignition

All OEM engine electronics must be used including the stock ECM.

ECM's may be flashed.

No aftermarket ECM's allowed.

GCR18: Battery

Batteries may be relocated.

Acid filled batteries must be fully enclosed with a container capable of holding any fluid that may leak out of battery.

Batteries mounted inside the driver's compartment must be covered. No acid filled batteries allowed inside driver's compartment.

All vehicles must have a battery disconnect switch that shuts off all power to the vehicle.

GCR19: Lights

Rear Facing Lights:

Vehicles must have two (2) working brake lights at all times.

Two (2) red tail lights and one (1) steady burn amber light are

required to be wired directly to the battery cut-off switch. These lights must operate when the battery switch is placed in the “on” position. An inline fuse or connector is allowed.

All lights must be mounted in a manner that is clearly visible from the rear of the vehicle without obstruction.

#### GCR20: Starter

#### GCR21: Fuel

Fuel delivery system must be stock configuration. No aftermarket fuel controllers. Any fuel injector, pump, filter or regulator may be used.

#### GCR22: Fuel tanks

OEM fuel tanks allowed. Aftermarket fuel tanks are allowed in the stock location. OEM & aftermarket tanks MUST be mounted & fill from the stock location. Safety Fuel Cells are allowed. Any fuel cell placed inside the driver compartment must have a fire wall that covers the fuel cell, filler neck and fuel lines. Maximum capacity of any fuel system 20-gallon. Red heads are allowed to connect to stock filler neck. No modifications to OEM tank allowed.

#### GCR23: Fuel filler, vents & caps

ONLY FOR FUEL CELLS: Fuel filler must be separate from the driver’s compartment. Fuel filler must be located as far away from the exhaust and engine as possible. Splash guards between the engine and exhaust are recommended. A splash guard is required when the filler neck is mounted close to the drivers to help prevent fuel from splashing into the cockpit. One T- Bolt style hose clamp is recommended at each connection. If standard hose clamps are used, two clamps will be

required per connection. A secondary external discriminator valve is required and should be mounted in a visible location at no more than a 15 degree angle.

## ENGINE TRANSMISSION & DRIVELINES

### GCR24: Engine location & displacement

Limited to a maximum of 1000cc displacement for Turbo engines and a maximum of 2000cc displacement for a Naturally Aspirated.

### GCR25: Engine replacement

### GCR26: Transmission

Stock gearbox cases and clutch design must be used. Internal components are open. Must have a functioning reverse gear. Must be CVT design, no manual transmissions allowed.

## DIFFERENTIAL

Any front or rear differential may be used as long as it is available from the vehicle manufacture as a factory part. i.e. Polaris Razor uses Polaris part, Can-Am X3 uses Can-Am part etc.

### GCR27: Throttles

Throttle body must be OEM stock. No modifications allowed.

### GCR28: Exhaust

### GCR29: Driveshafts

### GCR30: Flywheel shields

### GCR31: Fluid coolers

Any fluid coolers located inside or in front of driver's compartment must have a shield in place to prevent fluids from leaking back onto vehicle occupants.

All fluid lines passing through the driver's compartment must be shielded

including steel braided lines.

GCR32: Auxiliary equipment

GCR33: Superchargers & turbochargers

No Superchargers permitted.

Turbo chargers must remain stock as delivered from the factory. No modifications.

## INTERCOOLERS

Engines that use water to air intercoolers can change or move the radiator from the intercooler. The intercooler itself must remain stock with no additional intercooler being used or added.

Engines that use air to air intercoolers must remain OEM stock.

Mounting location is open.

## VEHICLE SAFETY EQUIPMENT

GCR34: Roll cages

Aftermarket bolt on cages are allowed. Aftermarket fully welded cages highly recommended. NO STOCK CAGES ALLOWED

Intrusion

Bars

Required to have intrusion bars in the front windshield area. Intrusion bars can be configured in a single vertical bar, inverted V or V shape.

The intrusion bar must be a minimum diameter of 1.5" OD with a minimum thickness of 0.120" wall for Seamless Mild steel 0.095" for 4130 Chrome Moly tubing. The maximum horizontal opening can be no larger than 30" at the widest point.

GCR35: Safety harness

GCR36: Safety nets



GCR37:

Seating

Any racing seat may be used but must remain in the approximate stock location. Additional seat bracing may be required. Minimum of 2 seats.

#### GENERAL VEHICLE COMPONENTS

GCR38: Driver's compartment

GCR39: Doors & latches

Doors that open and close are allowed and are required to have a secondary latch to prevent opening. Door openings must be completely covered with doors or side panels (aluminum at a .060 thickness or greater).

Fully Welded Door area must have "X", "A", "V" or Ladder design bracing and all tubing must be a minimum 1.5" OD x .095" 4130 Chrome Moly or 1018/1012 CDS/DOM.

GCR40: Firewalls

GCR41: Ballast

GCR42: Weight

GCR43: Floorboards

GCR44: Bumpers

Vehicles must have front and rear bumpers. It is highly recommended that the bumpers extend a minimum of 2" past the tires, front to back. Bumpers must be secured to the frame with a minimum diameter 1.5" OD x .095" wall thickness tubing.

GCR45: Mirrors

GCR46: Skid plates

GCR47: Storage

#### GCR48: Fenders

Stock front and rear fenders must be used.

#### GCR49: Chassis

& body CHASSIS

The OEM stock frame may be added to for strength and durability or replaced entirely. All frames must retain the stock appearance, configuration, design, width and length.

Overall width is limited to 80 inches as measured from outside of tire to outside of tire at ride height.

The wheel base must not exceed 8" over the factory dimension and can only be achieved through suspension components.

#### Body

Body is Open. The roof must be covered with sheet metal or aluminum with a minimum thickness of .060.

Vehicles must retain all body parts during the entire event excluding accidental damages.

#### GCR50: Hoses

#### GCR51: Identification markers

Black or white number plates with black or white numbers. 4"H front, 8"H sides, 6"H rear.

#### GCR52: Advertising on vehicles

#### GCR53:

Workmanship

#### GCR54: Radio equipment

All vehicles are required to have a VHF type radio installed in the race vehicle along with their team radio frequency posted inside on roof area,

passenger side. VORRA uses frequency 151.625 MHz and recommends installing this channel in the race vehicles.

GCR55: Scoring Transponders

### **SPORTSMAN UTV CLASS DEFINITION: 5900-5999**

This class was designed to capture the UTVs that do not fit the requirements to be in another class (i.e., stock UTV with long travel or aftermarket cage). The Sportsman class races will typically be shorter than other classes with trophies only, no payouts. Minimum age for driver in any UTV class is 12 years old, must be 12 by the date of the event. Co-driver minimum age is 18 with a minor driver, 12 with an adult drive.

#### **UTV ALL: SAFETY EQUIPMENT**

HELMETS: Full face helmets are mandatory. Helmets must be approved by one of the following with the appropriate approval decal attached; Snell SA2015 or SAH2015 / SA2020. Straps must have D-ring fasteners only. No snaps or Velcro will be permitted. Helmets must be free of defects; NO DAMAGE and in “like New” condition; no scratches or worn-out padding.

#### **UTV ALL: 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 be in “Like New” condition. No holes, rips, tears or be worn thin. The suits must also be free from any petroleum-based contaminants. All suits must be manufactured from fire resistant material and shall bear a minimum of an SFI 3.2A/5 or higher manufacturer’s certification label. Fire retardant gloves and footwear rated to the SFI 3.3 standard are very highly recommended. VORRA also 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. VORRA strongly recommends the use of either a fire-retardant balaclava rated to the SFI 3.3 specification, or a helmet skirt rated to the SFI 3.3/5 specification.

Undergarments:

The use of petroleum based and other synthetic blends of undergarments such as the athletic or compression style close-fit garments (commonly used for the cooling, moisture wicking, and quick drying features) are not permitted. Synthetic fibers such as nylon, elastane, and polyester melt when ignited and for this reason they will not be permitted. VORRA strongly recommends- the use of a fire-retardant long sleeve tops, and long bottom undergarments as well as fire retardant socks rated to the SFI 3.3 specification.

#### UTV ALL: EYE PROTECTION

Shatter resistant eye protection is required for all competitors in a VORRA Race event.

#### UTV ALL: NECK RESTRAINTS: Required

UTV ALL: FIRST AID KIT. The first aid kit must be easily accessible within the occupant's area without having to remove any body panels or equipment and must contain at least the following items:

- Two-4" Bandage Compress

- Two-2" Bandage Compress

- One-Triangular Bandage

- Eight-2"x 3" Adhesive Bandages

- Four-1" x 3.375" Adhesive Bandages

- Four- Antiseptic (Methylate, etc.)

- Two- Pairs of Latex Gloves.

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

- One-Eye Dressing Packet

- One-Ace Bandage

- One-Wire Splint (Compact)

- One-CPR Face Mask

#### UTV ALL: SURVIVAL SUPPLIES

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

#### UTV ALL: BREAKDOWN SAFETY DEVICES

Reflective devices must be at least 12 inches high and 12 inches long and be free standing (like trucker's breakdown triangles). For night races, two large glow sticks or two red reflective devices must be carried in the vehicle. Flares are not permitted. Good Samaritan points /time will be given for those who stop and help another racer in need.

#### UTV ALL: HORNS

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

#### UTV ALL: REFLECTORS

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.

#### UTV ALL: FIRE EXTINGUISHERS

Each vehicle must carry Two portable UL approved Fire Extinguishers ABC-class dry chemical type or equivalent Halon, AFFF Foam, Novec 1230, FE-36 fire extinguishers. Fire extinguishers must have a gauge and be fully charged. One must be easily accessible from inside of the vehicle (minimum 2.5-lb). An additional minimum 5-lb. ABC-class, dry chemical fire extinguisher or foam equivalent 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. Portable and on-board fire extinguishers must have a current (less than one year old) fire marshal's seal and attached label.

All vehicles not using a fuel cell must use a fire ball type system or a fire suppression type system. Fire ball systems must be mounted in a location near the engine area.

All other fire suppression such as Eliminator and such are at the racer's direction, and not mandatory or recommended.

#### UTV ALL: PITS:

All vehicles in the pits must comply with the 25mph speed limit. Time penalties or disqualification will be implemented if speed limit not adhered to.

No loose pets or unattended children allowed.

No drinking of alcohol during a VORRA sanctioned event.

All Fueling must have a manned fire extinguisher, NO EXCEPTIONS!

Fueling must take place on fueling mats.

All repairs must be performed in your area and not penetrate Pit Lane. Be courteous to others in the spirit of friendly competition.

All Fuelers must be wearing a fire suit or Fuel Apron and wearing a full-face helmet with a head sock. Helmet can be outdated.

#### UTV ALL: SUSPENSION COMPONENTS

##### SHOCK ABSORBERS

There must be at least one shock absorber per wheel in working condition at the start of the race. Shocks must be mounted in the original position from the factory. Unlimited UTV Class may change the shock mount locations.

##### UTV PRO/UNLIMITED: BUMP STOPS/ SECONDARY SUSPENSION

All bump stops are allowed. Secondary suspension includes Movable bump stops when they contact the suspension unit more than 4 inches before the end of the wheels upwards travel.

##### UTV ALL: WHEELS & TIRES

Snap-on hubcaps or Snap-on wheel covers of any type are not permitted. Tires will be visually checked for condition and must be considered reasonably safe by VORRA prior to competing.

Pro Stock UTV Maximum tire size is 33" and labeled with size on side of tire. Maximum wheel size is 15". All wheels will be required to have the race vehicle number stamped or engraved near the valve stem including spare wheels.

Pro UTV: Maximum tire size of 35x10.50x15. Tire must be marketed as a 35" and labeled with size on side of tire. Maximum wheel size is 15". All wheels will be required to have the race vehicle number stamped or engraved near the valve stem including spare wheels.

Each wheel on the vehicle including all spares must have the vehicle's number STAMPED or PAINT PEN on each wheel within 2 inches of the valve stem. The STAMPED/PAINT PEN number must be a minimum 1/4 inch tall and must be on the OUTSIDE OF THE WHEEL.

#### UTV ALL: 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. Zeus fittings can fasten body panels as well as roof panels.

#### UTV ALL: STEERING & BRAKE COMPONENTS

##### 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. VORRA UTV Tech must consider the steering reasonably safe before vehicle is permitted to compete.

##### 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 only permitted in Unlimited class.

## UTV ALL: ELECTRICAL SYSTEM

### 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 are not independently switched.

### 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 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.

### UTV ALL: LIGHTS

Rear Facing Lights: Vehicles must have two (2) working brake lights at all times. Two (2) red tail lights and one (1) steady burn amber light are required to be wired directly to the battery cut-off switch. These lights must operate when the battery switch is placed in the “on” position. An inline fuse or connector is allowed. MANDATORY Blue Strobe light required on all UTVs for safety. Approved lights must be a minimum of 3”x6” with a minimum of 12 LED’s and a minimum of 16 watts. Must be equivalent to either KC#1313 or ATCSAFETY-B. If the blue strobe light is not either of the listed lights, the approval of the blue flashing strobe light is at the discretion of the UTV technical inspector or race director. This light should be wired to the ignition switch so it only operates when the ignition is turned on. The purpose of this light is to help other competitors recognize that they are approaching a UTV. Contact All Terrain Concepts at 877-231-1859 or Contact KC HiLites 888-689-5955 All lights must be mounted in a manner that is clearly visible from the rear of the vehicle without obstruction

### UTV ALL: 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

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

#### UTV PRO/UNLIMITED: FUEL TANKS

Safety fuel cells are not required in all classes. You may now run in the pro class without a fuel cell. To run the Pro UTV class you must have a type of fire suppression system installed. A fireball will count as an acceptable fire suppression system.

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 VORRA. 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. Time penalty or disqualification will result.

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

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

#### General Information

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