Car Nº

Team Name:

1	Check - Dimensions	
а	Max length 2700 mm	
b	Max width 1100 mm	
С	Max height 1200 mm	
d	Wheel track min 600 mm	
е	Wheel bas Min 1000 mm	
f	Head RRPS i Min 300 mm wide at 150 mm from top	
	ii Min 50 mm above canopy	
	iii 20 mm foam above rider if closed vehicle	
	iv Bracing angle includes vertical line	
g	Shoulder region 500 mm wide and integral	
h	Shoulder belt mounts or guides Max 200 mm centres	
i	Room for number panel 360 mm high X 460 mm long	
2	Check - General	
а	Single seat recumbent, HP drive to rear wheel(s)	
b	No original bike, Go-Kart or motorbike frames	
С	Min of three full time load bearing wheels all with adj. brakes	
d	Two independent brake systems, mounted securely	
е	Brake controls away from moving parts and road	
f	No brake friction applied to tyres & no rope or cable steering	
g	Steering lock limitation over central travel, linkage damage,	
	tyre or wheel contact with vehicle parts (jamming avoidance)	
h	Speedo clearly visible to rider and operational	
i	Warning Device i Electric, in front of feet	
	ii Momentary switch, sound going loud	
	iii Air contact to get sound out of vehicle	
i	Batteries mounted securely - No liquid acid	
-	Floor pan able to stop rider's feet, legs, hands hitting road	
	Mirrors i One each side	
m	ii Flat or mildly convex with similar reflections	
n	iii Min area 18 cm2 (nom 5 cm diam) or Zefal Spy	
	Vehicle has no dangerous protrusions or features	
	Signage not offensive nor of illegal substances, alcohol, tobacco	
	Axle end recessed, flush, covered or shielded	
	Four strap seat belt harness with Certicate Label showing	
	Frontal design prevents easy penetrsation of another vehicle	
	Construction	
	Vehicle construction robust, strong and durable	
	Frame joints/mountings competently welded or attached	
	Composite materials fully cured, no unbounded fibres	
	Cockpit overhead protection	
u	i capable of deflecting vehicle	
	ii Min of two bars - no negative bends	
	ii Suitable effective width and no rear hinging	
	iv Hard shell vehicles minimum two layers	
	v Open cell foam as needed on bars or panels	
	vi Moveable bars, body panels suitable locking system	
	vii No hooks - No velcro as sole fastening system	
е	i Body/COP catches operable from inside and outside	
E	ii Δ As per appendix to mark non obvious catches	
	iii Team demonstrates body sections shutting with click	
f	Seat Belts i Not modified, mounted as intended	
1	ii Belt in good condition - not frayed, cut or restiched	
	iii Each point of harness mounted separately to chassis	
	iv Bolts/fittings as supplied or min Grafe 5 X 8 mm	
	v 2-3 threads showing above nuts [Nylok or spring washer]	
	vi Bolts mounted through the frame tags or sleeved tube	
	vii Seat or sub frame carrying belt mounts is attached to chasis	
	with strength equivalent to belt bolts	

The Tassie Energy HPV Challer	nge		
4 Rider Rollover Protection Structures (RRPS)			
a General			
i Integral to chassis/frame/shell H = Head; F = Front H	F		
ii Properly attached, suitable material, robust for purpose	F		
iii Hoop configuation, right angles to centre line	F		
iv Corners milmum 50 mm radius	F		
b Head RRPS			
i Long braced to chassis from highest point	Ш		
ii Removable bracing attached appropriately	Ш		
iii Hard shell without external roll bar strong enough	Ш		
c Front RRPS	Ш		
i Covers rider's knees	Ш		
ii Will protect rider's feet, knees, legs if inverted or on side	Ш		
iii Stabilised to prevent longitudinal collapse	\perp		
iv If bar braced: longitudinal at 10° min. inc. vert. line	\perp		
d Side impact protection from T-bone collision	\perp		
i Bars - panels - wheels forming enclosed cockpit	\vdash		
ii Protection for shoulders, torso, hips, legs to knees	\vdash		
iii Structure anchored to not move sideways	\vdash		
iv Capable of protecting rider from vehicle entry	\vdash		
v Rider will not contact road surface [especially elbows]			
e Forward Protection	$\overline{}$		
Will protect legs/feet in a collision, braced, integral to design	Ш		
f Bodywork	$\overline{}$		
i Cockpit free of projections [eg cable tie ends]	+		
ii inherently safe, allows ventilation and sufficient visibility			
g Chain Ring	\Box		
i Discs [covering teeth] both sides	+		
ii Chain tension side covered [channel, tube] from under seat	\vdash		
iii Max 3 mm clarance from discs to channel/tube	+		
h Rider safe from moving parts icl. Clothing entanglement	+		
i Hands protected from tyres and spokes j All guarding secure and safe	+		
5 Dynamic Brake and Steering Test	Ш		
a Rider able to move steering from lock to lock freely	П		
b Steering controls and wheels do not expose rider to injury	+		
c Rider able to exit vehicle unassisted			
d Good cockpit vision and rider can see ground 5 metres ahead	+		
e Shoulder strap mounts or guides level with shoulders	+		
f Straps will stay on shoulders	\forall		
a Seat helt and huckle positioning conforms with ADP	+		

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g Seat belt and buckle positioning conforms with ADR	
h Lap belt mounts not too far back	
i Excesive seat padding not used	
j Head RRPS min 100 mm above helmet for open top vehicle	
k Rider can fully turn head right and left	
I Helmet not compressing overhead foam	
m Head restraint check	
n Rider entirely within roll over protection from front and rear	
o Side impact protection includes rider's shoulders	
p Steering structure, frame, body min 300 mm to rider's face	

I, team manager, have personally checked the HPV mentioned above and do claim that all points have been checked and the HPV meets the standards as

t Vehicle stops within prescribed distance in controlled manner

outlined above.

q Cycle helmet AS/NZS 2063:2088 u Full face helmet if needed [with AS label] r Rider able to sight overtaking traffic in mirrors s Vehicle able to negotiate prescribed course

/ /20 Signed: Date: