



2015 NRC Scrutineering Form

Explanations, Regulations & Requirements

Ref	Regulation	Description
1. Safety Critical Items		
1.1 Helmets	SSR 163.8 FIA 8860-2004/2010 FIA 8858-2002/2010	Date validity, no mods, no damage, FHR Tether Anchors to FIA 8858-2002 Recognized Standards to FIA TL No 25
1.2 FHR Device (Frontal Head restraint)	SSR 163.11 FIA 8858-2002/2010	Comply to FIA TL No 29 Not required in NRC2
1.3 Protective Clothing	SSR 163.10 FIA 8856-2000	FIA Spec & include FIA or Nomex balaclava. FIA TL No 27 Local Nomex to incl long sleeve top, long johns & balaclava (FIA or Nomex) Gloves to FIA8856-2000 or SFI3.3 Gr 5
1.4 Safety Harness	SSR 163.2	FIA STD 8853/98 Valid only before "valid to" date
1.5 Safety Harness Cutters	SSR 163.13	Easily accessible by each crew member (safety harness secured!)
1.6 Safety Harness Anchors	FIA 253 Art 6.2	Fitted as per manufacturers instructions
1.7 Safety Cage	FIA 253 Art 8.1 b) FIA 253 Art 8.1 c) FIA 253 Art 8.3.4	I D Plate: Name of manufacturer, Homolog or certificate No, Series No. Layout as per homologation or FIA drawings. No modifications, changes, joints. Good quality welding around perimeter of tube.
1.8 Safety Cage Padding	FIA 253 Art 8.3.5	Adequate padding for crew where body & helmet could impact the roll cage. (Padding FIA STD 8857-2001 type A).
1.9 Fire Extinguishers	SSR 163.4 FIA 253 Art 7.3.6	The following Fire Extinguishers and Systems are permitted: A: Piped systems complying fully to FIA Appendix J 253 Art 7.2 B: A 2.4 litre AFFF or 2.5kg DCP extinguisher complying to FIA Appendix J Art 7.3. Alternatively a 2.5kg DCP extinguisher complying to SANS 1910. (DCP is Dry Chemical Powder). C: FireStryker 13B Extinguisher. All cars to be fitted (in easily accessible places) with the following fire extinguishers: Cars fitted with a piped system as per A above are required to carry 2 additional B extinguisher and 1 additional C extinguisher. Cars without a piped system as per A above are required to carry 2 B extinguishers and 1 C extinguisher. Type A and B extinguishers shall be securely mounted using a minimum of two metal straps with metal quick release fasteners.
1.10 Seats	SSR 163.12 FIA STD 8855-1999 &	10 Years from date of manuf, +2 years if authorized by manuf.

	8862/2009 FIA STD 8855/1999 FIA 253 Art 16 6)	5 Years from date of manuf +2years if authorized by manuf. Not required in NRC2 Max cushion thickness is 50mm
1.11 Seat Supports	FIA 253 Art 16	Mounting on original points, as per VO, as per DWG-253-65
1.12 Seat Cross Member	FIA 253 Art 16	Homologation ext & DWG 253-65B
1.13 Fuel Tank & Filler	FIA 253 Art 14 FIA 253 Art 14.1 FIA 253 Art 15	FIA Approved tanks Aging of tanks, bladder not more than 5 years from date of manuf, +2 years if certified by manuf. Leak-proof cover, easy access, requiring tools, to allow for date checking. Protection against fire (fire wall).
1.14 Fuel Lines & joints	FIA 253 Art 3.2	No joins in fuel & hydraulic lines in cockpit. Flexible lines must be braided & have threaded, crimped or self-sealing connectors. Pipes through bulkheads as per DWG 253-59 & 60
1.15 Main Isolator Switch	FIA 253 Art 13	Mains Isolator must cut all electrical circuits and must stop the engine. The electronic FE system must still be armed
1.16 Battery Mounting	FIA 255 Art 5.8.3	Dry battery protected by a cover. Wet Battery in a leak-proof plastic box with vent to outside cockpit Metal seat & metal clamps.
1.17 Medical Board	SSR 163.5	One Medical Board securely fitted
1.18 Safe Track Bracket & unit	SSR 163.6.1	Fitted bracket, easily accessible by crew, unit functional.
1.19 Medical Kit	SSR 163.8	One kit per car, contents as per list.
1.20 Windscreen laminated Glass	FIA 253 Art 11 SSR 163.1	Laminated Glass Comply to Road Ordinance
1.21 Side Windows Polycarbonate/Film	FIA 253 Art 11	Side windows may be polycarbonate (NRC) Shatterproof side windows must have a plastic film <100micron
1.22 Side Impact Bars/Foam	FIA 255 Art 5.7.3.4	If the side impact bars are removed, a side impact protection panel must be fitted
1.23 Fuel Tank Vent/Roll over valve	FIA 253 Art 14.5 FIA 253 Art 3.4	FIA homologated non-return valve in the filler neck Fuel tank ventilation must include: Gravity activated roll-over valve Float chamber valve Blow-off valve (max overpressure of 200mBar when float chamber valve is closed)
1.24 Ignition/ Fuel Pump cut	FIA 253 Art 3.3	Fuel pumps may only operate when the engine is running & during starting.
2. Safety Critical Items		
2.1 Warning Triangle	SSR 163.3	One warning triangle securely fitted
2.2 Spare Wheel Mounting	SSR 163.14	Securely mounted by "mechanical" systems
2.3 Jack/Tools Mounting	SSR 163.14 FIA 252 Art 7.3 FIA 255 Art 5.7.2.12	All spares & tools must be beneath or behind driver of navigator's seats. Only "mechanical" mounting systems. Jack must operate by hand only
2.4 Towing Eyes	FIA 253 Art 10	Front & Rear towing eyes, clearly visible, painted yellow, red, or orange.

2.5 Ballast secured/sealed	FIA 252 Art 2.2	Fixed to the floor, fixed by tools, visible & sealed by scrutineers.
2.6 Rear View/Side Mirrors	FIA 253 Art 9	Two external rear-view mirrors (90cm ²) Inside rear view mirror is optional.
2.7 Battery Cover	FIA 255 Art 5.8.3	Dry battery protected by a cover. Wet Battery in a leak-proof plastic box with vent to outside cockpit
2.8 Head Lights	SSR 163.1	Comply to Road Ordinance
2.9 Tail Lights	SSR 163.1	Comply to Road Ordinance
2.10 Brake Lights	SSR 163.1	Comply to Road Ordinance
2.11 Indicators	SSR 163.1	Comply to Road Ordinance
2.12 Hooter	FIA 252 Art 8.3	>97dB during 3sec measured 7m in front of the car
2.13 Helmets Net/Container	FIA 252 Art 7.3	Containers for helmets & tools must be made from non-flammable material
2.14 Windscreen wipers/washer	SSR 163.1	Comply to Road Ordinance Regulations
2.15 Windscreen Demister	FIA 255 Art 5.7.3.7	Original demister may be removed & replaced with electrical or similar system
2.16 Exhaust Exit	FIA 252 Art 3.6	Exhaust must exit within perimeter of the car, adequate protection to prevent burns
2.17 Bonnet Safety Pins	FIA 253 Art 5	Min 2 additional safety fasteners, original locking system must be inoperative.
2.18 Rear Door/Boot Safety Pins	FIA 253 Art 5	Min 2 additional safety fasteners, original locking system must be inoperative.
2.19 Mud Flaps	FIA 252 Art 7.7	See specs & dimensions Bottom of all flaps <10cm above ground
2.20 Protection of Brake/fuel Lines	FIA 253 Art 3.1, 3.2	External: Fuel & brake lines must be protected against damage Internal: Fuel and brake lines must be protected against risks of fire.
3. Non-safety items		
3.1 License Disc	SSR 163.1	Comply to Road Ordinance Regulations
3.2 Number Plates F & R	SSR 163.15	Rear number plate to Road Ordinance, Front to replicate & as large as possible.
3.3 Crew Names	SSR 193 9.1	60mm Helvetica White, first initial & surname
3.4 Crew Blood Groups	SSR 193 9.1	60mm Helvetica White
3.5 Car No Side Windows	SSR 193 9.2.2	25cm, reflective fluorescent orange
3.6 Car No Windscreen	SSR 193 9.3	Number yellow on Black background 150mm x 150mm
3.7 Car No Roof	SSR 193 9.2.2	Panel 40cm x 40cm, number 25cm, number read from rear of car.
3.8 Car No Rear Window	SSR 193 9.2.7	
3.9 Class Decal	SSR 193 9.2.4	Round 19cm, colour as per class
3.10 NRC Windscreen Decal	SSR 193 9.3	15cm wide, full width
3.11 Front Door Rally Panel	SSR 9.2.1 & 9.2.3	As per the SR's
3.12 Technical Passport	Rally SSR 's Part 5 Art 5.4	Dedicated TP per car, approved by TD.
FIA App J Art 1.4 It is the duty of each competitor to satisfy the scrutineers that his vehicle complies to the regulations.		