

V8 SUPERCARS OPERATIONS MANUAL 2012

DIVISION “A” – ADMINISTRATION RULES CONTENTS

<u>RULE No.</u>	<u>TITLE</u>	<u>PAGE No.</u>
A 1	PREAMBLE.....	A1
A 2	INTERPRETATION & DEFINITIONS.....	A2
A 3	APPLICATION & VARIATION OF RULES.....	A8
A 4	SUBMISSION TO RULES.....	A9
A 5	ENTRIES FOR MEETINGS / MEETINGS GENERALLY.....	A10
A 6	SUPPLEMENTARY / FURTHER REGULATIONS.....	A12
A 7	BULLETINS.....	A13
A 8	RESPONSIBILITIES OF COMPETITORS.....	A14
A 9	CALENDAR & FORMAT OF MEETINGS.....	A16
A 10	PERMANENT OFFICIALS.....	A17
<u>SCHEDULE A 1</u>	<u>– CALENDAR OF MEETINGS.....</u>	<u>A20</u>
<u>SCHEDULE A 2</u>	<u>– FORMAT OF VCS MEETINGS.....</u>	<u>A21</u>
<u>SCHEDULE A 3</u>	<u>– FORMAT OF DVS MEETINGS.....</u>	<u>A23</u>
<u>SCHEDULE A 4</u>	<u>– VCS ENTRY CRITERIA.....</u>	<u>A24</u>
<u>SCHEDULE A 5</u>	<u>– GROUPING CRITERIA.....</u>	<u>A25</u>

V8 SUPERCARS OPERATIONS MANUAL 2012

DIVISION "B" – JUDICIAL RULES CONTENTS

<u>RULE No.</u>	<u>TITLE</u>	<u>PAGE No.</u>
B 1	HEARINGS.....	B1
B 2	PROCEDURES FOR HEARINGS.....	B3
B 3	COMPLIANCE WITH HEARINGS	B4
B 4	PROTESTS.....	B6
B 5	APPEALS.....	B8
B 6	BREACHES OF THE RULES.....	B12
B 7	PENALTIES.....	B15
<u>SCHEDULE B 1 – TERMS OF REFERENCE – COURT OF APPEAL.....</u>		<u>B17</u>
<u>SCHEDULE B 2 – CODE OF DRIVING CONDUCT</u>		<u>B19</u>

V8 SUPERCARS OPERATIONS MANUAL 2012

DIVISION “C” – TECHNICAL RULES CONTENTS

<u>RULE No.</u>	<u>TITLE</u>	<u>PAGE No.</u>
C 1	GENERAL	
C 1.1	Technical Definition & Class.....	C1
C 1.2	Vehicle / Component Approval.....	C1
C 1.3	Amendments to the Formula.....	C1
C 1.4	Jurisdiction for Interpretation.....	C1
C 1.5	Repairs.....	C1
C 1.6	Responsibility for Safety.....	C1
C 1.7	Car Models.....	C2
C 1.8	Model Eligibility.....	C2
C 1.9	VSD.....	C2
C 2	COMPLIANCE	
C 2.1	General.....	C3
C 2.2	Examination for Eligibility.....	C3
C 2.3	Disputes.....	C3
C 2.4	Minor Non-Compliance.....	C3
C 3	SCRUTINEERING	
C 3.1	Targeted Scrutiny.....	C5
C 3.2	Onus on the Competitor.....	C5
C 3.3	Location of Targeted Scrutiny.....	C5
C 3.4	Equipment to be Scrutineered.....	C5
C 3.5	Additional Scrutineering.....	C5
C 3.6	Changes / Modifications to Cars.....	C5
C 3.7	Prohibition of Unsafe Cars.....	C6
C 3.8	On Track Incidents.....	C6
C 3.9	No Replacement Cars.....	C6
C 3.10	Prohibited Work.....	C6
C 3.11	Delegation by the CTM.....	C6
C 3.12	Accidents and Scrutineering.....	C6
C 4	CONSTRUCTION & MODIFICATION	
C 4.1	Minimum Weight.....	C7
C 4.2	Freedoms Permitted.....	C7
C 4.3	Damage Repairs.....	C7
C 4.4	Composite Materials Permitted.....	C7
C 4.5	Exotic Materials.....	C8
C 4.6	Manufacturing & Measuring Tolerances.....	C9
C 4.7	Vehicle Datums.....	C9
C 4.8	V8 Supercars Data Monitors.....	C9
C 4.9	Traction Control.....	C9

C 5	SAFETY EQUIPMENT	
C 5.1	Drivers Seat.....	C10
C 5.2	Safety Harness.....	C10
C 5.3	Window Nets.....	C10
C 5.4	Roll Over Protection Structure "ROPS".....	C10
C 5.5	Fire Extinguisher Systems.....	C12
C 6	BODYWORK	
C 6.1	Bodywork – General.....	C13
C 6.2	Bodywork – External.....	C13
C 6.3	Bodywork – Internal.....	C15
C 6.4	Modification for Mufflers.....	C16
C 6.5	Doors.....	C17
C 6.6	Windows.....	C17
C 6.7	Rear Vision Mirrors.....	C18
C 6.8	Tailshaft Loops.....	C18
C 6.9	Tow Hooks & Vehicle Recovery.....	C18
C 6.10	Additional Accessories.....	C19
C 6.11	V8 Supercars Roof Duct.....	C19
C 7	ENGINE	
C 7.1	General.....	C20
C 7.2	Specification, Availability and Transparency.....	C20
C 7.3	Cylinder Block.....	C24
C 7.4	Cylinder Head.....	C25
C 7.5	Pistons.....	C25
C 7.6	Connecting Rods.....	C26
C 7.7	Crankshaft.....	C26
C 7.8	Other Engine Components.....	C26
C 7.9	Inlet System.....	C26
C 7.10	Exhaust System.....	C27
C 7.11	Cooling System.....	C27
C 7.12	Engine Eligibility.....	C28
C 7.13	Cylinder Head Eligibility.....	C28
C 8	TRANSMISSION / DRIVELINE	
C 8.1	General.....	C29
C 8.2	Flywheel.....	C29
C 8.3	Clutch.....	C29
C 8.4	Gearbox.....	C30
C 8.5	Tailshaft.....	C32
C 8.6	Rear axle assembly.....	C32
C 9	SUSPENSION	
C 9.1	General.....	C34
C 9.2	Suspension Pivot Points.....	C34
C 9.3	Anti Roll Bars.....	C34
C 9.4	Shock Absorbers.....	C35
C 9.5	Suspension Adjustment.....	C36
C 9.6	Front Upright.....	C36
C 10	BRAKES & STEERING	

C 10.1	Brakes.....	C37
C 10.2	Steering.....	C39
C 11	WHEELS / WHEEL NUTS	
C 11.1	General.....	C40
C 11.2	Complete Wheel Dimensions.....	C40
C 11.3	Centre Lock Spindles and Wheel Nuts.....	C40
C 11.4	Control Wheel.....	C40
C 12	ELECTRICAL SYSTEM	
C 12.1	Master Isolation Switch.....	C41
C 12.2	Circuits.....	C41
C 12.3	Battery.....	C41
C 12.4	Alternator.....	C41
C 12.5	Lights.....	C41
C 12.6	Starter Motor.....	C42
C 12.7	Rain Light.....	C42
C 12.8	Computers on the Grid.....	C42
C 12.9	Electrically Heated Windscreens.....	C42
C 12.10	Fuel Pump Power Supply.....	C42
C 12.11	Electronic Data – Logging, Display & Telemetry.....	C42
C 12.12	Pit Stop Light.....	C42
C 13	FUEL SYSTEM	
C 13.1	Fuel Tank Requirements - General.....	C43
C 13.2	Fuel Tank Housing.....	C43
C 13.3	Filler / Vent Units.....	C44
C 13.4	Fuel Collector Pot.....	C44
C 13.5	Fuel Tank Vent.....	C44
C 13.6	Fuel Lines.....	C44
C 13.7	Fuel Cooling.....	C44
C 14	ENGINE CONTROL & DATA ACQUISITION SYSTEM (FULL UPDATE)	
C 14.1	General.....	C45
C 14.2	Engine Control.....	C45
C 14.3	Control ECU Loom.....	C47
C 14.4	Pit Lane Speed Limiter.....	C47
C 14.5	Rain Light.....	C47
C 14.6	Electronic Data (Logging, Display & Telemetry).....	C48
C 14.7	Signals to / from Cars.....	C49
C 15	ENGINE CONTROL & DATA ACQUISITION SYSTEM (MINIMAL UPDATE)	
C 15.1	General.....	C50
C 15.2	Engine Control.....	C50
C 15.3	Control ECU Loom.....	C52
C 15.4	Pit Lane Speed Limiter.....	C52
C 15.5	Rain Light.....	C52
C 15.6	V8 Supercars Data Monitor.....	C52
C 15.7	Electronic Data (Logging, Display & Telemetry).....	C54
C 15.8	Signals to / from Cars.....	C56
C16	CAR OF THE FUTURE	
C16.1	Eligible Vehicles.....	C57

<u>C16.2</u>	<u>V8 Supercar Control Chassis.....</u>	<u>C57</u>
<u>C16.3</u>	<u>Engines.....</u>	<u>C57</u>
<hr/>		
<u>SCHEDULE C 1</u>	<u>– GEARBOX & FINAL DRIVE SPECIFICATIONS.....</u>	<u>C58</u>
<u>SCHEDULE C 2</u>	<u>– CONTROL ECU LOOM.....</u>	<u>C59</u>
<u>SCHEDULE C 2A</u>	<u>– CONTROL ECU LOOM.....</u>	<u>C61</u>
<u>SCHEDULE C 3</u>	<u>– V8 SUPERCARS WHEEL NUT SPECIFICATION.....</u>	<u>C63</u>
<u>SCHEDULE C 4A</u>	<u>– COMPLETE WHEEL SPECIFICATION.....</u>	<u>C64</u>
<u>SCHEDULE C 4B</u>	<u>– V8 SUPERCAR CONTROL WHEEL.....</u>	<u>C65</u>
<u>SCHEDULE C 5</u>	<u>– MK II MONITOR LOOM SCHEMATIC.....</u>	<u>C66</u>
<u>SCHEDULE C 6</u>	<u>– WATTS LINKAGE SCHEMATIC.....</u>	<u>C67</u>
<u>SCHEDULE C 7</u>	<u>– DRIVERS SIDE IMPACT PROTECTION.....</u>	<u>C68</u>
<u>SCHEDULE C 8</u>	<u>– FRONT WINDSCREEN RETENTION.....</u>	<u>C69</u>
<u>SCHEDULE C 9</u>	<u>– FRONT WINDOW POLYCARBONATE INSERT RETENTION.....</u>	<u>C70</u>
<u>SCHEDULE C10</u>	<u>– ENGINE SUMP MOUNT.....</u>	<u>C71</u>
<u>SCHEDULE C11</u>	<u>– FRONT GUARD.....</u>	<u>C72</u>
<u>SCHEDULE C12</u>	<u>– ALCON CONTROL FRONT BRAKE ROTOR.....</u>	<u>C73</u>
<u>SCHEDULE C13</u>	<u>– ALCON CONTROL REAR BRAKE ROTOR.....</u>	<u>C74</u>
<u>SCHEDULE C14</u>	<u>– REAR DOOR SKINS.....</u>	<u>C75</u>
<u>SCHEDULE C15</u>	<u>– CONTROL ECU LOOM.....</u>	<u>C76</u>
<u>SCHEDULE C16</u>	<u>– COMPOSITE REAR QUARTER PANEL.....</u>	<u>C78</u>
<u>SCHEDULE C17</u>	<u>– DECLARATION OF CONFORMITY.....</u>	<u>C79</u>
<u>SCHEDULE C18</u>	<u>– FUEL TANK HOUSING.....</u>	<u>C80</u>
<u>SCHEDULE C19</u>	<u>– CONTROL PATRS.....</u>	<u>C81</u>

V8 SUPERCARS OPERATIONS MANUAL 2012

DIVISION “D” – SPORTING RULES CONTENTS

<u>RULE No.</u>	<u>TITLE</u>	<u>PAGE No.</u>
D 1	TESTING.....	D1
D 2	PIT BAY & GARAGE ALLOCATION.....	D6
D 3	SAFETY	
D 3.1	Use of the Circuit.....	D7
D 3.2	Drivers' Apparel & Seat Belts.....	D7
D 3.3	On Track Repairs.....	D7
D 3.4	Rain Light.....	D7
D 3.5	Pit Discipline.....	D8
D 3.6	Pit Crew Safety – Incompressible Jacks.....	D8
D 3.7	Signalling.....	D8
D 3.8	Driver Condition Policy.....	D8
D 3.9	Prohibited Substances.....	D8
D 4	BRIEFINGS.....	D9
D 5	PRACTICE.....	D10
D 6	QUALIFYING.....	D12
D 7	GRID DETERMINATION.....	D15
D 8	STARTS, RACES, TIMING & DRIVERS	
D 8.1	Starts.....	D17
D 8.2	Timing.....	D17
D 8.3	Multiple Drivers	D17
D 8.4	Driving Time at VCS Endurance Rounds.....	D18
D 8.5	Driver Identification at VCS Endurance Rounds.....	D18
D 9	STARTING PROCEDURE	
D 9.1	Sprint Events.....	D19
D 9.2	Endurance Events.....	D20
D 9.3	DVS Race Starts.....	D22
D 9.4	Race Starts by Safety Car.....	D23
D 10	STOPPING & RE-STARTING RACES.....	D25
D 11	SAFETY CAR PROCEDURES.....	D28
D 12	PIT STOPS	
D 12.1	Types.....	D31
D 12.2	Personnel.....	D31
D 12.3	Air Impact Tools and Pressure Vessels.....	D32
D 12.4	Pit Lane.....	D32
D 12.5	Procedures.....	D33
D 12.6	Securing Equipment.....	D34
D 12.7	Use of Equipment/Tools.....	D34
D 12.8	Safety.....	D35
D 13	FINISHING & RESULTS	
D 13.1	Crossing the Finishing Line.....	D36
D 13.2	Classification.....	D36
D 13.3	Dead Heat Finish.....	D37

	D 13.4	Effect of Protest.....	D37
	D 13.5	Declaration of Final Results.....	D37
	D 13.6	Issuing of Results.....	D37
D 14		PARC FERME.....	D38
D 15		PRIZES, TROPHIES & POINTSCORES	
	D 15.1	Prize Money.....	D40
	D 15.2	Series' Trophies.....	D40
	D 15.3	Series' Races to Count.....	D40
	D 15.4	Determination of Series Points.....	D40
	D 15.5	Determination of VCS Teams Championship.....	D41
	D 15.6	Determination of Fujitsu Privateers Cup.....	D41
D 16		PARITY.....	D42
D 17		WEIGHING OF CARS DURING SESSIONS.....	D43
D18		TYRES	
	D 18.1	General.....	D44
	D 18.2	Selection.....	D44
	D 18.3	Fitment.....	D45
	D 18.4	Replacement Tyres.....	D45
	D 18.5	Wet Weather Tyres.....	D45
	D 18.6	Tyre Allocation.....	D46
	D 18.7	Transfer and Disposal of Tyres.....	D47
	D 18.8	Test Tyres.....	D47
	D 18.9	Order and Supply.....	D47
D19			
	D 19.1	Engine Change - General.....	D49
D 20		IN CAR ITEMS	
	D 20.1	Radios.....	D50
	D 20.2	Cameras.....	D50
	D 20.3	Tools.....	D50
	D 20.4	Automatic Timing – Data 1 Transmitters.....	D50
D 21		COMMUNICATION TO TEAMS.....	D51
D 22		APPAREL REQUIREMENTS	
	D 22.1	Helmets.....	D52
	D 22.2	Apparel – Drivers.....	D52
	D 22.3	Apparel – Pit Crew.....	D52
	D 22.4	Apparel - Passengers During Rides.....	D53
	D 22.5	Apparel Enforcement.....	D53
D 23		MARKINGS ON CARS	
	D 23.1	Windscreen Numbers.....	D54
	D 23.2	VCS and DVS Series Identification.....	D54
	D 23.3	Series Identification Decals.....	D54
	D 23.4	Competition Numbers.....	D54
	D 23.5	Other Signage.....	D55
	D 23.6	Variation.....	D55

D <u>23.7</u>	V8 Supercar Transporter Identification.....	D55
D <u>24</u>	PERSONNEL LIMITS.....	D56
D <u>25</u>	TEAM ORDERS.....	D56
D <u>26</u>	ITEMS NOT PERMITTED AT A MEETING.....	D56
D <u>27</u>	EVENT LOGISTICS.....	D57
D <u>28</u>	GARAGES TO BE OPEN AND CARS NOT TO BE COVERED....	D58
D <u>29</u>	FUEL & REFUELLING	
D <u>29.1</u>	General.....	D59
D <u>29.2</u>	Safety.....	D60
D <u>29.3</u>	Refuelling Tower.....	D61
D <u>29.4</u>	Fuel Flow Restrictor.....	D62
D <u>29.5</u>	Use of Refuelling Towers.....	D63
D <u>29.6</u>	Fuel Rig Timing.....	D63
<u>SCHEDULE D 1</u>	– POINTSCORE SYSTEM FOR DVS.....	D64
<u>SCHEDULE D 2</u>	– POINTSCORE SYSTEM FOR VCS.....	D65
<u>SCHEDULE D 3</u>	– SIGNALLING.....	D66
<u>SCHEDULE D 4</u>	– AIR IMPACT TOOL AND REGULATOR REGISTER.....	D69
<u>SCHEDULE D 5</u>	– REFUELING EQUIPMENT	D70
<u>SCHEDULE D 6</u>	– MARKINGS ON CARS.....	D71
<u>SCHEDULE D 7</u>	- STOPPING / RESTARTING RACES ANNOUNCEMENTS...	D73

V8 SUPERCARS OPERATIONS MANUAL 2012

DIVISION “E” – OPERATIONS RULES CONTENTS

<u>RULE No.</u>	<u>TITLE</u>	<u>PAGE No.</u>
E 1	RIDES.....	E1
E2	MEDIA ACTIVITIES	
E 2.1	Public and Media Activities.....	E4
E 2.2	Non Attendance and Presentation.....	E4
E 2.3	Series’ Promotional Requirements.....	E4
E 2.4	Television	E5
E 2.5	Television Presentation.....	E5
E 2.6	Sponsors’ Presence.....	E5
E 2.7	Corporate Activities.....	E6
E 2.8	Pit Lane Walk.....	E6
E 2.9	Driver Autograph Sessions.....	E6
E 2.10	Season Launch.....	E6
E 3	COMPETITION NUMBERS	
E 3.1	Allocation and Register.....	E7
E 3.2	Application.....	E7
E 3.3	Conflict.....	E7
E 3.4	Reservation.....	E7
E 3.5	Change of Number.....	E7
E 4	TRANSFER OF CAR	
E 4.1	Notify V8 Supercars.....	E9
E 4.2	Notify CAMS.....	E9
E 4.3	Nomination of CAMS Log Book Numbers.....	E9
E 5	SERIES’ SPONSORS & CAR IDENTIFICATION	
E 5.1	VCS Identification.....	E10
E 5.2	DVS Identification.....	E10
E 5.3	Sponsors General.....	E10
E 6	V8 SUPERCAR TEAM PADDOCK	E11
E 7	WORKPLACE HEALTH AND SAFETY.....	E12
E 8	V8 SUPERCAR ACCREDITATION.....	E13

V8 SUPERCARS OPERATIONS MANUAL 2012

DIVISION "F" – FORMS CONTENTS

<u>RULE No.</u>	<u>TITLE</u>	<u>PAGE No.</u>
F1	FORMS - GENERAL.....	F1
F 1.1.1	Schedule B1 – Notice of Intention to Appeal Form.....	F2
F 1.1.2	Schedule B2 – Notice to Appeal Form.....	F3
F 1.1.3	Schedule B6 – Team Request for Incident Review.....	F4
F 1.1.4	Schedule D5 – Pre-Test Notification Form.....	F5
F 1.1.5	Rule E 1.4 – Disclaimer; Exclusion of Liability, Release and Assumption of Risk Passengers in Vehicle.....	F6
F 1.1.6	Rule E 1 – Corporate & Meeting Ride Car Inspection and Passenger Safety Checklist Instructions.....	F7
F 1.1.7	Rule E 1 – V8 Supercar Pre-Ride Activity Checklist.....	F8
F 1.1.8	Rule E 4.1.1 – Transfer Form; Notification of Transfer of a Car... F10	
F 1.1.9	Rule E 4.3.1 – V8 Supercar CAMS Log Book Nomination Form.... F11	
F 1.1.10	Rule C 7.2.16– Engine Component Specification / Usage Log.....F12	
F 1.1.11	Rule D 30.2.1.1 – Storage and handling of fuel in a partially closed environment auditing/check sheet	
