

**TCR TECHNICAL BULLETIN****31/03/2025**

The current Technical Bulletin is with immediate application, and valid until further notice (modifications in **bold**).

TCR Certified Car List:

<b>BRAND</b>	<b>MODEL</b>	<b>ECU Type*</b>
AlfaRomeo	Giulietta Veloce TCR	M
AlfaRomeo	Giulietta RF TCR	M
Audi	RS3 LMS SEQ	R
Audi	RS3 LMS DSG	R
Audi	RS3 LMS TCR	C
Cupra	TCR SEQ	R
Cupra	TCR DSG	R
Cupra	Leon Competicion TCR	C
Cupra	Leon VZ TCR	C
FIAT	Tipo TCR	M
Honda	Civic FK2 TCR	M
Honda	Civic FK7 TCR	M
Honda	Civic FK7 TCR	C
Honda	Civic FL5 TCR	C
Hyundai	i30 N TCR	M
Hyundai	i30 N TCR	C
Hyundai	Veloster N TCR	M
Hyundai	Elantra N TCR	C
Kia	Cee'd TCR	M
Lada	Vesta Sport TCR	M
Lada	Vesta TCR	M
Lada	Vesta NG TCR	C
Lynk&Co	03 TCR	M
Lynk&Co	03 TCR	C
Lynk&Co	03 FL TCR	C
MG**	5 XPOWER TCR	C
MG	6 XPOWER TCR	M
Opel (Holden / Vauxhall)	Astra TCR	M
Peugeot	308 TCR	M
Peugeot	308 Racing Cup	M
Peugeot	P51 308 TCR	C
Renault	Megane RS TCR	M
Subaru	WRX STI TCR	M
Toyota	Corolla GRS TCR	C
VW	Golf GTI TCR SEQ	R
VW	Golf GTI TCR DSG	R
* R: Road Car ECU; M: Motorsport ECU; C: Common ECU		
** Temporary Technical Form / Currently Under certification		

General Secretary of the Technical Department

Riccardo Alborno



**TCR BoP & Certified Cars (Modifications in bold):**

Brand	Model	ECU Type & Power Level	Target Racing Weight	Assigned Ballast	Minimum Racing Weight	Ground Clearance
Alfa-Romeo	Giulietta Veloce TCR	M5	1265 kg	- 10kg	1255 kg	70 mm
Alfa-Romeo	Giulietta RF TCR	M6	1265 kg	- 10kg	1255 kg	70 mm
Audi	RS3 LMS SEQ	R5	1265 kg	- 10kg	1255 kg	70 mm
Audi	RS3 LMS DSG	R6	1230 kg	+ 20kg	1250 kg	70 mm
Audi	RS3 LMS TCR	C5	1265 kg	- 10kg	1255 kg	70 mm
Cupra	TCR SEQ	R5	1265 kg	0kg	1265 kg	70 mm
Cupra	TCR DSG	R6	1230 kg	0kg	1230 kg	70 mm
Cupra	Leon Competición TCR	C5	1265 kg	- 10kg	1255 kg	70 mm
Cupra	Leon VZ TCR	C5	1265 kg	<b>- 20kg</b>	<b>1245 kg</b>	70 mm
Fiat	Tipo TCR	M5	1265 kg	- 10kg	1255 kg	70 mm
Honda	Civic FK2 TCR	M5	1265 kg	- 20kg	1245 kg	70 mm
Honda	Civic FK7 TCR	M5	1265 kg	+ 20kg	1285 kg	70 mm
Honda	Civic FK7 TCR	C5	1265 kg	+ 20kg	1285 kg	70 mm
Honda	Civic FL5 TCR	C5	1265 kg	+10kg	1275 kg	80 mm
Hyundai	i30 N TCR	M4	1265 kg	+ 30kg	1295 kg	80 mm
Hyundai	i30 N TCR	C4	1265 kg	+ 30kg	1295 kg	80 mm
Hyundai	Veloster N TCR	M4	1265 kg	+ 30kg	1295 kg	90 mm
Hyundai	Elantra N TCR	C4	1265 kg	<b>+ 20kg</b>	<b>1285 kg</b>	80 mm
KIA	Cee'd TCR	M5	1265 kg	- 10kg	1255 kg	70 mm
Lada	Vesta Sport TCR	M5	1265 kg	+ 40kg	1305 kg	80 mm
Lada	Vesta TCR	M5	1265 kg	+ 10kg	1275 kg	70 mm
Lada	Vesta NG TCR	C5	1265 kg	0kg	1265 kg	80 mm
Lynk&Co	03 TCR	M4	1265 kg	0kg	1265 kg	80 mm
Lynk&Co	03 TCR	C4	1265 kg	0kg	1265 kg	80 mm
Lynk&Co	03 FL TCR	C4	1265 kg	0kg	1265 kg	80 mm
MG	5 XPOWER TCR	C5	1265 kg	0kg	1265 kg	80 mm
MG	6 XPOWER TCR	M5	1265 kg	0kg	1265 kg	70 mm
Opel / Holden / Vauxhall	Astra TCR	M6	1265 kg	0kg	1265 kg	70 mm
Peugeot	308 TCR	M6	1265 kg	- 50kg	1215 kg	70 mm
Peugeot	308 Racing Cup	M6	1225 kg	- 30kg	1195 kg	60 mm
Peugeot	P51 308 TCR	C6	1265 kg	0kg	1265 kg	80 mm
Renault	Mégane RS TCR	M5	1265 kg	- 10kg	1255 kg	70 mm
Subaru	WRX STI TCR	M6	1265 kg	- 10kg	1255 kg	70 mm
Toyota	Corolla GRS TCR	C6	1265 kg	+ 10kg	1275 kg	70 mm
VW	Golf GTI TCR SEQ	R5	1265 kg	- 10kg	1255 kg	60 mm
VW	Golf GTI TCR DSG	R6	1230 kg	- 10kg	1220 kg	60 mm

\* R: Road Car ECU, M: Motorsport ECU, C: Common ECU; numbers 1 to 6 denominate power levels as per Technical Regulation



**BoP for ENDURANCE races only (Modifications in bold):**

Brand	Model	ECU Type & Power Level	Target Racing Weight	Assigned Ballast	Minimum Racing Weight	Ground Clearance
Alfa-Romeo	Giulietta Veloce TCR	M5	1210 kg	- 5kg	1205 kg	70 mm
Alfa-Romeo	Giulietta RF TCR	M6	1210 kg	- 5kg	1205 kg	70 mm
Audi	RS3 LMS SEQ	R5	1210 kg	- 5kg	1205 kg	70 mm
Audi	RS3 LMS DSG	R6	1185 kg	+ 10kg	1195 kg	70 mm
Audi	RS3 LMS TCR	C5	1210 kg	- 5kg	1205 kg	70 mm
Cupra	TCR SEQ	R5	1210 kg	0kg	1210 kg	70 mm
Cupra	TCR DSG	R6	1185 kg	0kg	1185 kg	70 mm
Cupra	Leon Competición TCR	C5	1210 kg	- 5kg	1205 kg	70 mm
Cupra	Leon VZ TCR	C5	1210 kg	<b>- 10kg</b>	<b>1200 kg</b>	70 mm
Fiat	Tipo TCR	M5	1210 kg	- 5kg	1205 kg	70 mm
Honda	Civic FK2 TCR	M5	1210 kg	- 10kg	1200 kg	70 mm
Honda	Civic FK7 TCR	M5	1210 kg	+ 10kg	1220 kg	70 mm
Honda	Civic FK7 TCR	C5	1210 kg	+ 10kg	1220 kg	70 mm
Honda	Civic FL5 TCR	C5	1210 kg	+ 5kg	1215 kg	80 mm
Hyundai	i30 N TCR	M4	1210 kg	+ 15kg	1225 kg	80 mm
Hyundai	i30 N TCR	C4	1210 kg	+ 15kg	1225 kg	80 mm
Hyundai	Veloster N TCR	M4	1210 kg	+ 15kg	1225 kg	90 mm
Hyundai	Elantra N TCR	C4	1210 kg	<b>+ 10kg</b>	<b>1220 kg</b>	80 mm
KIA	Cee'd TCR	M5	1210 kg	- 5kg	1205 kg	70 mm
Lada	Vesta Sport TCR	M5	1210 kg	+ 20kg	1230 kg	80 mm
Lada	Vesta TCR	M5	1210 kg	+ 5kg	1215 kg	70 mm
Lada	Vesta NG TCR	C5	1210 kg	0kg	1210 kg	80 mm
Lynk&Co	03 TCR	M4	1210 kg	0kg	1210 kg	80 mm
Lynk&Co	03 TCR	C4	1210 kg	0kg	1210 kg	80 mm
Lynk&Co	03 FL TCR	C4	1210 kg	0kg	1210 kg	80 mm
MG	5 XPOWER TCR	C5	1210 kg	0kg	1210 kg	80 mm
MG	6 XPOWER TCR	M5	1210 kg	0kg	1210 kg	70 mm
Opel / Holden / Vauxhall	Astra TCR	M6	1210 kg	0kg	1210 kg	70 mm
Peugeot	308 TCR	M6	1210 kg	- 25kg	1185 kg	70 mm
Peugeot	308 Racing Cup	M6	1185 kg	- 15kg	1170 kg	60 mm
Peugeot	P51 308 TCR	C6	1210 kg	0kg	1210 kg	80 mm
Renault	Mégane RS TCR	M5	1210 kg	- 5kg	1205 kg	70 mm
Subaru	WRX STI TCR	M6	1210 kg	- 5kg	1205 kg	70 mm
Toyota	Corolla GRS TCR	C6	1210 kg	+ 5kg	1215 kg	70 mm
VW	Golf GTI TCR SEQ	R5	1210 kg	- 5kg	1205 kg	60 mm
VW	Golf GTI TCR DSG	R6	1185 kg	- 5kg	1180 kg	60 mm

<sup>1</sup>Endurance Target Racing Weight is car's generic dry weight without driver.

<sup>2</sup>Endurance Minimum Weight is car's imposed minimum dry weight without driver.

**Agreed principles:**

Assigned Ballast for Endurance Races will be 50% of the Assigned Ballast for TCR Races. For any TCR Series or class with a participation of DSG cars over the 40% of the total number of cars on grid, the Target Racing Weight of the SEQ cars may be increased by the Series Promoter from 10 to 40 kg maximum. Promoters are requested to inform WSC in written form.



## Imposed parameters for certified software

### Alfa Romeo

Alfa Romeo	Giulietta Veloce TCR	
Engine		FPT
ECU Make (Type)		Life Racing (Motorsport)
Gearbox		Sadev
ECU Type & Power Level		M5
Calibration File		AL-FPT-M5-S-S_1.1.2.Irc
Calibration File (with ABS)		AL-FPT-M5-S-E_1.1.2.Irc
Checksum	crcHigh	42313
	crcLow	49756
Checksum (with ABS)	crcHigh	44909
	crcLow	49742

Alfa Romeo	Giulietta RF TCR	
Engine		FPT
ECU Make (Type)		Life Racing (Motorsport)
Gearbox		Sadev
ECU Type & Power Level		M6
Calibration File		AL-FPT-M6-S-S_1.1.2.Irc
Calibration File (with ABS)		AL-FPT-M6-S-E_1.1.2.Irc
Checksum	crcHigh	42953
	crcLow	55089
Checksum (with ABS)	crcHigh	45549
	crcLow	55075



**Audi, Cupra, VW**

<b>Audi</b>	<b>RS3 LMS SEQ</b>	
<b>Cupra</b>	<b>Cupra TCR SEQ</b>	
<b>VW</b>	<b>Golf GTI TCR SEQ</b>	
Engine		EA888Evo3
ECU Make (Type)		Continental (Roadcar)
Gearbox		Sadev
ECU Type & Power Level		R5
Calibration File		-
Checksum		5F6906259AJ

<b>Audi</b>	<b>RS3 LMS DSG</b>	
<b>Cupra</b>	<b>Cupra TCR DSG</b>	
<b>VW</b>	<b>Golf GTI TCR DSG</b>	
Engine		EA888Evo3
ECU Make (Type)		Continental (Roadcar)
Gearbox		DSG
ECU Type & Power Level		R6
Calibration File		-
Checksum		5F6906259L

<b>Audi</b>	<b>RS3 LMS TCR</b>	
<b>Cupra</b>	<b>Leon Competición TCR</b>	
Engine		EA888Evo4
ECU Make (Type)		TCR ECU (Common)
Gearbox		Hewland
ECU Type & Power Level		C5
Calibration File		<b>CU-EA888Evo4-C-H-S_3.0.0.clx</b>
Checksum	crcAPP	<b>0x1316AA95</b>
	crcPartSign	<b>0xE0613BD1</b>
	crcPartZero	<b>0x518CA0AD</b>
	crcPartOne	<b>0x7FA3D055</b>



Audi		RS3 LMS TCR
Engine		EA888Evo4
ECU Make (Type)		TCR ECU (Common)
Gearbox		Sadev
ECU Type & Power Level		C5
Calibration File		<b>CU-EA888Evo4-C-S-S_3.0.0.clx</b>
Checksum	crcAPP	<b>0x1316AA95</b>
	crcPartSign	<b>0xE0613BD1</b>
	crcPartZero	<b>0xCA93AC8</b>
	crcPartOne	<b>0x87651B28</b>

Cupra		Leon VZ TCR
Engine		EA888Evo4
ECU Make (Type)		TCR ECU (Common)
Gearbox		Hewland
ECU Type & Power Level		C5
Calibration File		<b>CU-EA888Evo4-C-H-S-VZ_3.0.0.clx</b>
Checksum	crcAPP	<b>0x1316AA95</b>
	crcPartSign	<b>0xE0613BD1</b>
	crcPartZero	<b>0xA1ED5925</b>
	crcPartOne	<b>0xB044424C</b>

Cupra		Leon VZ TCR
Engine		EA888Evo4
ECU Make (Type)		TCR ECU (Common)
Gearbox		Sadev
ECU Type & Power Level		C5
Calibration File		<b>CU-EA888Evo4-C-S-S-VZ_3.0.0.clx</b>
Checksum	crcAPP	<b>0x1316AA95</b>
	crcPartSign	<b>0xE0613BD1</b>
	crcPartZero	<b>0xC2CDCC05</b>
	crcPartOne	<b>0x4D383A34</b>



## Fiat

Fiat	Tipo TCR
Engine	ZAR949VP
ECU Make (Type)	MoTeC (Motorsport)
Gearbox	Sadev
ECU Type & Power Level	M5
Calibration File	FI-Tipo-M0-S-S_1.1.0.m1pkg



## Honda

Honda	Civic FK2 TCR	
Engine		K20CR
ECU Make (Type)		EFI (Motorsport)
Gearbox		Sadev
ECU Type & Power Level		M5
Calibration File		TCR-C2.7.98+7.5

Honda	Civic FK7 TCR	
Engine		K20CRE
ECU Make (Type)		MoTeC (Motorsport)
Gearbox		Sadev, Xtrac
ECU Type & Power Level		M5
Calibration File		HO-K20CRE-M-0-0_1.2.0.m1pkg

Honda	Civic FK7 TCR	
Engine		K20CRE
ECU Make (Type)		TCR ECU (Common)
Gearbox		Sadev, Xtrac
ECU Type & Power Level		C5
Calibration File		HO-K20CRE-C-X-S_1.3.0.clx
Checksum	crcAPP	0x93ED6C14
	crcPartSign	0xD7581A9B
	crcPartZero	0xBA27FF29
	crcPartOne	0xF8B178FD





Honda		Civic FL5 TCR
Engine		K20CRL5
ECU Make (Type)		TCR ECU (Common)
Gearbox		Sadev
ECU Type & Power Level		C5
Calibration File		HO-K20CRL5-C-S-S_3.0.0.clx
Checksum	crcAPP	0x1316AA95
	crcPartSign	0xE0613BD1
	crcPartZero	0xC8817F4
	crcPartOne	0xD24A665D



## Hyundai

Hyundai	i30 N TCR	
Hyundai	Veloster N TCR	
Engine	Theta2G4KHA	
ECU Make (Type)	Life Racing (Motorsport)	
Gearbox	Xtrac	
ECU Type & Power Level	M4	
Calibration File	HY-Theta2G4KHA-M4-X-S_1.1.2.lrc	
Calibration File (with ABS)	HY-Theta2G4KHA-M4-X-E_1.1.2.lrc	
Checksum	crcHigh	57087
	crcLow	50211
Checksum (with ABS)	crcHigh	64626
	crcLow	50197

Hyundai	i30 N TCR	
Engine	Theta2G4KHA	
ECU Make (Type)	TCR ECU (Common)	
Gearbox	Xtrac	
ECU Type & Power Level	C4	
Calibration File	HY-Theta2G4KHA-C-X-S_1-3-1.clx	
Checksum	crcAPP	0x6E74FF10
	crcPartSign	0x5A69C95F
	crcPartZero	0x88951EB1
	crcPartOne	0xBB3E4051



Hyundai	Elantra N TCR	
Engine		Theta2G4KHN
ECU Make (Type)		TCR ECU (Common)
Gearbox		Xtrac
ECU Type & Power Level		C4
Calibration File		HY-Theta2G4KHN-C-X-S_3.0.0.clx
Checksum	crcAPP	0x1316AA95
	crcPartSign	0xE0613BD1
	crcPartZero	0x28E34393
	crcPartOne	0xC0FA5F05



## KIA

KIA	Cee'd TCR
Engine	G4KH
ECU Make (Type)	MoTeC (Motorsport)
Gearbox	3mo
ECU Type & Power Level	M5
Calibration File	1502_KIA_TCR_100%_WSC_BoP_19_final



**Lada**

Lada		Vesta Sport TCR	
Engine			M5P404
ECU Make (Type)			Marelli (Motorsport)
Gearbox			Sadev
ECU Type & Power Level			M5
Calibration File			LA-M5P404-M-S-S_1.1.0.clx
Checksum	crcEEP1		39470
	crcEEP2		64745
	crcAPP1		19289
	crcAPP2		6949

Lada		Vesta TCR	
Engine			M5P404
ECU Make (Type)			Marelli (Motorsport)
Gearbox			Sadev
ECU Type & Power Level			M5
Calibration File			SRG_MMGEN_14X_12.10.1.3
Checksum	crcEEP		0xfc35a13a
	crcAPP		0x2bec88a

Lada		Vesta NG TCR	
Engine			M5P
ECU Make (Type)			TCR ECU (Common)
Gearbox			3mo
ECU Type & Power Level			C5
Calibration File			LA-M5P-C-3-S-16.47_3.0.0.clx
Checksum	crcAPP		0x1316AA95
	crcPartSign		0xE0613BD1
	crcPartZero		0x58EBBA02
	crcPartOne		0x4ECF69A3



Lada	Vesta NG TCR	
Engine		M5P
ECU Make (Type)		TCR ECU (Common)
Gearbox		3mo + VO323
ECU Type & Power Level		C5
Calibration File		LA-M5P-C-3-S-18.51_3.0.0.clx
Checksum	crcAPP	0x1316AA95
	crcPartSign	0xE0613BD1
	crcPartZero	0x6D9C856E
	crcPartOne	0x411FB243



## Lynk&Co

Lynk&Co	03 TCR	
Engine		B4204T27
ECU Make (Type)		MoTeC (Motorsport)
Gearbox		Xtrac
ECU Type & Power Level		M4
Calibration File		LynkCo 03 TCR Engine Custom ECU 97% v2.02

Lynk&Co	03 TCR	
Engine		B4204T27
ECU Make (Type)		TCR ECU (Common)
Gearbox		Xtrac
ECU Type & Power Level		C4
Calibration File		LY-B4204T27-C-X-S_3.0.0.clx
Checksum	crcAPP	0x1316AA95
	crcPartSign	0xE0613BD1
	crcPartZero	0x3E083821
	crcPartOne	0x46302573

Lynk&Co	03 FL TCR	
Engine		B4204T57
ECU Make (Type)		TCR ECU (Common)
Gearbox		Xtrac
ECU Type & Power Level		C4
Calibration File		LY-B4204T57-C-X-S_3.0.0.clx
Checksum	crcAPP	0x1316AA95
	crcPartSign	0xE0613BD1
	crcPartZero	0x7CCC6DB2
	crcPartOne	0xE964CAA7



**MG**

MG		5 XPOWER TCR
Engine		SAICNF2 HP
ECU Make (Type)		TCR ECU (Common)
Gearbox		Xtrac
ECU Type & Power Level		C5
Calibration File		MG-SAICNF2HP-C-X-S_1.1.0.clx

MG		6 XPOWER TCR
Engine		SAICNLE
ECU Make (Type)		Marelli (Motorsport)
Gearbox		Xtrac
ECU Type & Power Level		M5
Calibration File		MG-SAICNLE-M-S-S_1-1-0.clx
Checksum	crcEEP1	11388
	crcEEP2	42442
	crcAPP1	54219
	crcAPP2	29701





## Opel / Holden / Vauxhall

Opel / Holden / Vauxhall	Astra TCR	
Engine		OP-B20NFT
ECU Make (Type)		Marelli (Motorsport)
Gearbox		Sadev
ECU Type & Power Level		M6
Calibration File		OP-B20NFT-M6-S-S_1.1.0.clx
Checksum	crcAPP1	49229
	crcAPP2	49062
	crcEEP1	2945
	crcEEP2	60244



## Peugeot

Peugeot		308 TCR	
Engine			EP6FDTR
ECU Make (Type)			Marelli (Motorsport)
Gearbox			Sadev
ECU Type & Power Level			M6
Calibration File			PE-308-M6_2020-1-0.clx
Checksum	crcFirm1		38630
	crcFirm2		3096
	crcCalib1		42534
	crcCalib2		34464

Peugeot		308 Racing Cup	
Engine			EP6FDTR
ECU Make (Type)			Marelli (Motorsport)
Gearbox			Sadev
ECU Type & Power Level			M6
Calibration File			T9CUP_SP98_12.8.4.8_18S24_100%.pta
Checksum	crcAPP		0x5B17AD1B
	crcEEP		0xDEE2825D

Peugeot		P51 308 TCR	
Engine			EP6FDTRP51
ECU Make (Type)			TCR ECU (Common)
Gearbox			Holinger
ECU Type & Power Level			C6
Calibration File			PE-EP6FDTRP51-C-HO-S_3.0.0.clx
Checksum	crcAPP		0x1316AA95
	crcPartSign		0xE0613BD1
	crcPartZero		0x2AA5997D
	crcPartOne		0x6304A11B



## Renault

Renault	Mégane RS TCR
Engine	M5PTCE
ECU Make (Type)	Bosch (Motorsport)
Gearbox	3mo
ECU Type & Power Level	M5
Calibration File	RE-Megane-M5_2020-1-0.s19



## Subaru

Subaru	STI WRX TCR
Engine	EJ20
ECU Make (Type)	MoTeC (Motorsport)
Gearbox	Modena
ECU Type & Power Level	M6
Calibration File	Subaru_STI_TCR_2019_BoP_102



## Toyota

Toyota	Corolla GRS TCR	
Engine		8ARFTS
ECU Make (Type)		TCR ECU (Common)
Gearbox		Sadev
ECU Type & Power Level		C6
Calibration File		TO-8ARFTS-C-S-S_3.0.0.clx
Checksum	crcAPP	0x1316AA95
	crcPartSign	0xE0613BD1
	crcPartZero	0x8C48AAC9
	crcPartOne	0xD229997C

