

2019 ABU DHABI GRAND PRIX

28 November - 1 December 2019

From The FIA Formula One Technical Delegate Document 3

To The Stewards Date 28 November 2019

Time 14:00

Title Technical Delegate's Report

Description PU elements used per driver up to now

Enclosed 21 Brazilian GP 19 TDR1.pdf

Jo Bauer

The FIA Formula One Technical Delegate



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Technical Delegate's Report

The drivers entered in the 2019 Formula One Championship have used the below listed number of power unit elements during this season so far:

ICE Internal Combustion Engine MGU-H Motor Generator Unit – Heat ES Energy Store		•	TC MGU-K CE		Turbo Charger Motor Generator Unit – Kinetic Control Electronics			
Car		Driver	ICE	TC	MGU-H	MGU-K	ES	CE
4 Mercedes		Lewis Hamilton	3	3	3	2	2	2
7 Mercedes		Valtteri Bottas			3			2
05 Ferrari		Sebastian Vettel	3					3
16 Ferrari		Charles Leclerc	4		3			2
RBR Honda		Max Verstappen	5		4	3		3
RBR Honda		Alexander Albon	5	5	5	4		3
Renault		Daniel Ricciardo	5	4	4	4		4
Renault		Nico Hülkenberg	6	4	4			3
Haas F	errari							2
Haas Ferrari		Kevin Magnussen	3					3
McLaren Renault		Carlos Sainz	6		5	5	5	4
McLaren Renault		Lando Norris	4		4	4	4	4
Racing Point Mercedes		Sergio Perez	5	5	5	4	2	2
Racing Point Mercedes		Lance Stroll	4	4	4		1	1
Alfa Romeo Ferrari		Kimi Räikkönen	4	3	3			3
Alfa Romeo Ferrari		Antonio Giovinazzi	4	4	4			4
Toro Rosso Honda		Daniil Kvyat	7	7	7			3
Toro Rosso Honda		Pierre Gasly	7					3
Williams Mercedes		George Russell	3	3	3		3	3
William	ns Mercedes	Robert Kubica	4	4	4	2	2	2
	Car Mercee Ferrari Ferrari RBR H Renau Renau Haas F McLare Racing Alfa Ro Alfa Ro Toro R Willian	Car Mercedes Mercedes Mercedes Ferrari Ferrari RBR Honda RBR Honda Renault Renault Haas Ferrari Haas Ferrari McLaren Renault McLaren Renault Racing Point Mercedes Racing Point Mercedes Alfa Romeo Ferrari Alfa Romeo Ferrari Toro Rosso Honda Toro Rosso Honda	Car Mercedes Lewis Hamilton Watteri Bottas Sebastian Vettel Ferrari Charles Leclerc RBR Honda Max Verstappen RBR Honda Alexander Albon Renault Nico Hülkenberg Haas Ferrari Romain Grosjean Kevin Magnussen McLaren Renault Nas Ferrari Kevin Magnussen McLaren Renault Racing Point Mercedes Racing Point Mercedes Racing Point Mercedes Alfa Romeo Ferrari Alfa Romeo Ferrari Toro Rosso Honda Williams Mercedes George Russell	U-H Motor Generator Unit – Heat Energy Store Car Mercedes Lewis Hamilton Mercedes Valtteri Bottas Ferrari Sebastian Vettel Ferrari Charles Leclerc RBR Honda RBR Honda Renault Renault Nico Hülkenberg Haas Ferrari Romain Grosjean Haas Ferrari Kevin Magnussen McLaren Renault Racing Point Mercedes Racing Point Mercedes Rafe Romeo Ferrari Alfa Romeo Ferrari Alfa Romeo Ferrari Antonio Giovinazzi Toro Rosso Honda Pierre Gasly Williams Mercedes George Russell MCE MCE MCE MCE MCE MCE MCE M	U-H Motor Generator Unit – Heat Energy Store Car Mercedes Lewis Hamilton Mercedes Valtteri Bottas Ferrari Sebastian Vettel Ferrari Charles Leclerc ARBR Honda RBR Honda RBR Honda Renault Renault Haas Ferrari Romain Grosjean Haas Ferrari Kevin Magnussen McLaren Renault Racing Point Mercedes Racing Point Mercedes Rafe Romeo Ferrari Alfa Romeo Ferrari Alfa Romeo Ferrari Antonio Giovinazzi Toro Rosso Honda Pierre Gasly Williams Mercedes George Russell A Mercedes A Driver CE MGU-K CE MGU-K CE TC MGU-A Alla Romela A	U-H Motor Generator Unit – Heat Energy Store Car Driver Mercedes Lewis Hamilton Mercedes Valtteri Bottas Ferrari Sebastian Vettel Charles Leclerc Charles Leclerc Alax Verstappen RBR Honda RBR Honda Alexander Albon Renault Daniel Ricciardo Renault Nico Hülkenberg Haas Ferrari Romain Grosjean Haas Ferrari Kevin Magnussen MGU-K Motor Ge Control E MGU-H M	Heat Energy Store Car	Heat Energy Store Car