

2019 BRAZILIAN GRAND PRIX

14 - 17 November 2019

From	The FIA Formula One Technical Delegate	Document	3
To	The Stewards	Date	14 November 2019
		Time	12:00

Title Technical Delegate's Report

Description PU elements used per driver up to now

Enclosed 20 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	TC	Turbo Charger
MGU-H	Motor Generator Unit – Heat	MGU-K	Motor Generator Unit – Kinetic
ES	Energy Store	CE	Control Electronics

N°	Car	Driver	ICE	TC	MGU-H	MGU-K	ES	CE
44	Mercedes	Lewis Hamilton	3	3	3	2	2	2
77	Mercedes	Valtteri Bottas	3	3	3	2	2	2
05	Ferrari	Sebastian Vettel	3	3	3	2	2	3
16	Ferrari	Charles Leclerc	3	3	3	2	2	2
33	RBR Honda	Max Verstappen	5	4	4	3	3	3
23	RBR Honda	Alexander Albon	5	5	5	4	3	3
03	Renault	Daniel Ricciardo	5	4	4	4	3	4
27	Renault	Nico Hülkenberg	6	4	4	3	2	3
08	Haas Ferrari	Romain Grosjean	3	3	3	2	2	2
20	Haas Ferrari	Kevin Magnussen	3	3	3	2	2	3
55	McLaren Renault	Carlos Sainz	5	4	4	4	4	3
04	McLaren Renault	Lando Norris	4	4	4	4	4	4
11	Racing Point Mercedes	Sergio Perez	5	5	5	4	2	2
18	Racing Point Mercedes	Lance Stroll	4	4	4	2	1	1
07	Alfa Romeo Ferrari	Kimi Räikkönen	4	3	3	2	2	3
99	Alfa Romeo Ferrari	Antonio Giovinazzi	4	4	4	2	2	4
26	Toro Rosso Honda	Daniil Kvyat	7	7	7	6	3	3
10	Toro Rosso Honda	Pierre Gasly	7	5	5	5	3	3
63	Williams Mercedes	George Russell	3	3	3	2	3	3
88	Williams Mercedes	Robert Kubica	4	4	4	2	1	1