



## 2017 BRAZILIAN GRAND PRIX

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<b>From</b>	The FIA Formula One Technical Delegate	<b>Document</b>	4
<b>To</b>	The FIA Stewards of the Meeting	<b>Date</b>	09 November 2017
		<b>Time</b>	11:01

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**Title** Technical Delegate's Report  
**Description** PU elements used per driver up to now  
**Enclosed** 19 Brazilian GP 17 TDR1.pdf

**Jo Bauer**

**The FIA Formula One Technical Delegate**



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### Technical Delegate's Report

The drivers entered in the 2017 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	4	4	4	4	3	3
77	Mercedes	Valtteri Bottas	4	4	4	4	3	3
03	RBR TAG Heuer	Daniel Ricciardo	6	6	7	3	3	3
33	RBR TAG Heuer	Max Verstappen	6	5	6	3	4	4
05	Ferrari	Sebastian Vettel	5	5	5	4	4	4
07	Ferrari	Kimi Räikkönen	4	4	4	4	4	4
11	Force India Mercedes	Sergio Perez	4	4	4	4	2	2
31	Force India Mercedes	Esteban Ocon	4	4	4	4	3	3
19	Williams Mercedes	Felipe Massa	4	4	4	4	3	2
18	Williams Mercedes	Lance Stroll	4	4	4	4	2	2
14	McLaren Honda	Fernando Alonso	9	11	11	8	7	6
02	McLaren Honda	Stoffel Vandoorne	10	12	12	9	7	7
28	Toro Rosso	Brendon Hartley	7	6	7	3	5	5
10	Toro Rosso	Pierre Gasly	5	6	7	3	4	5
08	Haas Ferrari	Romain Grosjean	4	4	4	4	4	4
20	Haas Ferrari	Kevin Magnussen	4	4	4	4	4	4
27	Renault	Nico Hülkenberg	5	5	6	4	4	4
55	Renault	Carlos Sainz	5	6	6	3	4	4
09	Sauber Ferrari	Marcus Ericsson	4	4	4	4	4	4
94	Sauber Ferrari	Pascal Wehrlein	4	4	4	4	4	4