



Sander de Graaf

888-84 Baan Aiyara, Moo 7,
Soi 3,
Tambon Johor Amphoe
30310 Nakhon Ratchasima
Thailand

muffler.homologation@efra.ws
+66 649690718

Homologation Officer Muffler 1/8th and 1/10th IC

Thailand, October 22st 2019.

Procedure for EFRA Registration of Mufflers for 2020.

Any manufacturer, or distributor, who wishes to have a new muffler approved to be used at EFRA events must:

- First send a drawing in pdf or jpg to the muffler homologation officer. The drawing need to show tolerances in the various measurements. Remember some of the maximum measurements within EFRA have no tolerance, so 8.00mm for tailpipe diameter is max 8.00mm.
- After examination of the drawing the manufacturer needs to send 1 complete working sample + 1 internal cone and disc to the homologation officer.

The time schedule for EFRA Muffler Registration is as follows and these are **deadlines**, so **the sooner the better**: The first drawing must be received by EFRA 1st of January the latest.

Samples must be received by January 31st the latest. Please also remember to mark the parcel as **“SAMPLE”, with no commercial value**. All costs involved with this procedure must be paid by the manufacturer.

Payment for a muffler Registration must be received February 15th the latest.

The muffler will be checked and registrated between the 1st of December and 28th of February. This process does not include noise-tests, due to the number of variables that are responsible for the total amount of noise. Even changing the material(thickness) or adding a coating can make a change in the noise level, positive or negative. At the end the driver is responsible for his noise production and in case of a significant difference he may be requested by the race-director to change his muffler/manifold system or gearing.

If registrated the EFRA approval number will be sent to the manufacturer 28th of February the latest. Manufactures are requested to pay attention to the engravement and make sure this is good visible, also after cleaning the mufflers a number of times.

EFRA will publish a list of registrated mufflers 1st of March. These mufflers will also be forwarded to IFMAR, to be included in the IFMAR list.

Please also read EFRA rule app 8, the rule can be downloaded from our website: www.efra.ws

Each registrated muffler must have an unique EFRA number. The EFRA number must be visible at time of technical inspection. If the Homologation Officer suspects that a muffler has been modified after the registration he may anonymously purchase an example of the muffler for checking. If he finds that the muffler has been modified it will be immediately removed from the approved lists.

The **Registration will remain valid for a period of 2 years** from the date shown. However if the model is amended / changed then it will need to be re- submitted for approval. Every 2 years the muffler must be offered for a new registration period. A sample for verification could be asked by EFRA and needs to be submitted if required or asked for.

EFRA General Secretary
Willy Wuyts
Herentalsesteenweg, 20
2220 Heist op den Berg Belgium
Mob: +32477 947 109
secretary@efra.ws



Organisation Nr. 849400-6615 Sweden
www.efra.ws

Handelsbanken, Box 135,
S-601 03 Norrköping Sweden
EUR IBAN SE 21 6000 0000 0000 43 202 799
USD IBAN SE 18 6000 0000 0000 43 202 659
Swift-Code: HANDSESS
Paypal @paypal.ws

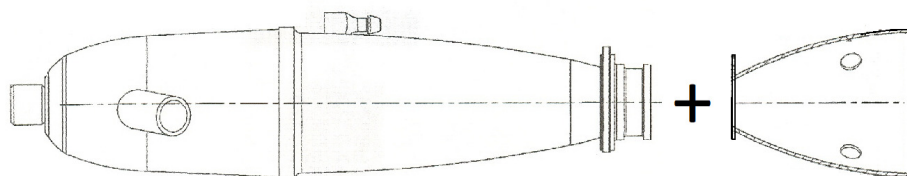
Registration fee is 120 Euros for a muffler and for a period of 2 years. EFRA associated members pay 60 Euros per muffler (50% discount).

On behalf of EFRA.

Sander de Graaf / EFRA Muffler Homologation Officer.

IMPORTANT:

Samples must be send to my address in Thailand, see top of this letter. 1 x muffler + 1 x cone/disc.



Here under you will find the list with mufflers and the date the registration expires. Every muffler valid till dec-19 (orange colored) will need a renewal of their registration. In case it is not renewed it will not be on the list for next year. Please also check your OEM names for changing or adding new names. OEM names can be added or removed every period of 2 years.

	1/8th MUFFLERS for 2019	type	valid till
EFRA9901	NovaRossi		Dec-19
EFRA2015	NovaRossi / R&B		Dec-19
EFRA2017	MAX		Dec-19
EFRA2023	SPM / Vega		Dec-20
EFRA2024	SPM / Vega		Dec-20
EFRA2034	Hipex		Dec-19
EFRA2041	Mielke / Maxima / RMV / Corally		Dec-19
EFRA2042	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ		Dec-19
EFRA2046	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		Dec-19
EFRA2052	NovaRossi		Dec-20
EFRA2058	Capricorn / XRD / DB ENGINE TECHNOLOGY /CRF		Dec-19
EFRA2060	SHengine		Dec-20
EFRA2068	Capricorn / XRD / DB ENGINE TECHNOLOGY	off road	Dec-19
EFRA2069	Hipex		Dec-19
EFRA2076	LRP/Nosram	off road	Dec-19
EFRA2083	Schepis Model , Boss, Sirio, Bliss		Dec-19
EFRA2089	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ		Dec-19
EFRA2094	MAX		Dec-19
EFRA2095	Hipex (low noise pipe)	on road	Dec-20
EFRA2098	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ		Dec-19
EFRA2099	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		Dec-19
EFRA2102	Schepis Model , Boss, Sirio, Bliss		Dec-19

EFRA2104	REDS Racing	off road	Dec-20
EFRA2106	HsiChia Co. Ltd / Weiken / Beta	off road	Dec-19
EFRA2107	Alpha Plus	off road	Dec-20
EFRA2108	Hipex		Dec-20
EFRA2109	LRP/Nosram	off road	Dec-19
EFRA2113	REDS Racing	on road	Dec-19
EFRA2114	CRF / Orion		Dec-19
EFRA2115	Hipex		Dec-19
EFRA2116	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		Dec-19
EFRA2120	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		Dec-19
EFRA2124	R&B		Dec-20
EFRA2130	Alpha/Argus		Dec-20
EFRA2131	FX	off road	Dec-20
EFRA2133	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		Dec-19
EFRA2134	Alpha / Argus	off road	Dec-19
EFRA2135	Hipex		Dec-19
EFRA2136	Shengine	off road	Dec-19
EFRA2139	Tesla/One		Dec-19
EFRA2141	ultima racing	off road	Dec-20
EFRA2142	ultima racing	off road	Dec-20
EFRA2143	REDS Racing	off road	Dec-20
EFRA2144	Mikrotek Engineering	off road	Dec-20
EFRA2145	Mikrotek Engineering	onroad	Dec-20
EFRA2146	Hipex	off road	Dec-20
EFRA2147	Maxima	off road	Dec-20
EFRA2149	CRF		Dec-20
EFRA2150	VPPPro - RS-2-P		Dec-19
EFRA2151	VPPPro - RS-4-P		Dec-19
EFRA2152	VPPPro - RS-5-P		Dec-19
EFRA2153	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON	off road	Dec-19
EFRA2154	OSEngines/Nemo Racing	off road	Dec-19
EFRA2155	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ	off road	Dec-19
EFRA2156	Flash Point RC	off road	Dec-19
EFRA2157	ASM		Dec-19
EFRA2158	SHengine	NEW	Dec-20
EFRA2159	Alpha Argus	NEW	Dec-20
EFRA2160	MSE	NEW	Dec-20
EFRA2161	Gimar	NEW	Dec-20
EFRA2163	Capricorn	NEW	Dec-20

	1/10th MUFFLERS for 2019	type	valid till
EFRA2654	Hipex	on road	Dec-19
EFRA2660	NovaRossi	on road	Dec-19

EFRA2669	Hipex	on road	Dec-19
EFRA2670	MAX	on road	Dec-19
EFRA2672	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ	on road	Dec-19
EFRA2673	Hipex / low noise	on road	Dec-20
EFRA2674	REDS Racing	on road	Dec-19
EFRA2679	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON	on road	Dec-19
EFRA2681	DB Engine	on road	Dec-20
EFRA2687	Tesla/One	on road	Dec-19
EFRA2688	Hipex	on road	Dec-20
EFRA2689	Mikrotek Engineering	on road	Dec-20
EFRA2690	OSEngines	on road	Dec-19
EFRA2691	Gimar	new	Dec-20
EFRA2692	Capricorn	new	Dec-20
EFRA2693	Capricorn	new	Dec-20
EFRA2694	Max power	new	Dec-20
EFRA2695	Hipex	new	Dec-20

INS Boxes for 2019			
EFRA-INS200101	Serpent	1/8th	1/10th
EFRA-INS200201	Picco box, also sold by R&B	1/8th	1/10th
EFRA-INS200401	Mielke / Mugen Seiki	1/8th	1/10th
EFRA-INS200701	NovaRossi	1/8th	1/10th
EFRA-INS200702	Mielke modified / Mugen Seiki	1/8th	1/10th
EFRA-INS200901	NovaRossi / R&B	1/8th	1/10th
EFRA-INS200902	Serpent / Xceed / Max / OS Speed /R&B / Brillant RC	1/8th	1/10th
EFRA-INS200903	modified NovaRossi (lower 200901)	1/8th	1/10th
EFRA-INS201001	Hobby Pro / Team C	1/8th	1/10th
EFRA-INS201101	Mielke	1/8th	1/10th
EFRA-INS201401	NovaRossi	1/8th	1/10th