



**EFRA 1:8 IC track section Chairman:**

Sander de Graaf  
Beekmansbos 53  
1971 BX IJmuiden  
Netherlands

Phone (Priv): +31 255 515720, (Fax): +31 255 515720  
Mobile: +31 6 53178658, Email: [eight.track@efra.ws](mailto:eight.track@efra.ws)

**EUROPEAN FEDERATION OF RADIO OPERATED MODEL AUTOMOBILES**

Sander de Graaf, Beekmansbos 53, 1971 BX IJmuiden, Netherlands

To ALL Muffler manufacturers

IJmuiden, November 10<sup>th</sup> 2013.

Dear Sportfriend,

At the last EFRA AGM some important decisions have been made regarding noise and the mufflers. The decision has been made to start measuring noise at the track site by means of a dBA meter connected to a Mylaps loop and a computer. The system will make a registration of every valid passing of a car and the "average" noise level of each car can be printed.

This system is now already used in Large scale for 2 years and was also used during the WC Large Scale in Lostalio.

For 2014 we will only use the system to inform every driver about his noise level, no penalties applicable. This will be the same as for 1/10th IC, 1/8th IC and 1/8th Off-road.

But in 2015 the system will also be used to give penalties in case of cars that make too much noise. The penalties will be set at the AGM of 2014.

It will not mean that we set our systems on a limit of 83 dBA from the beginning of 2015, but we will start beginning to set a limit where at least a number of cars will have to make a modification to stay under that "specific" limit and every year that limit will be set lower 1 or 2 dB's so that we will reach an acceptable level in a number of years.

The decision also has been made to start a new procedure for muffler registration. The old muffler homologation procedure had an almost unlimited life-time, making it difficult to change rules.

Already in 2011 we accepted a rule change where the mufflers will only be valid for 2 years.

With the new accepted rules it means that a large majority of the old mufflers is not valid anymore after december 2013.

If you as a manufacturer feels your muffler can make the specs in dBA for the next years you have to send in your muffler again for Registration to get it on the list of registered mufflers for a new period of 2 years. That new list will be available March 1st 2014.

On the list here under you can find the old muffler list with a new added column with the validation date.

Here you can see that almost 98% of the mufflers are not valid anymore after december 2013.

EFRA number	Manufacturer or brand name	type	valid till
EFRA9901	Novarossi		dec-13
EFRA2001	CRFrance		dec-13
EFRA2004	CRFrance		dec-13
EFRA2006	Novarossi		dec-13
EFRA2011	Mielke / Thunder Tiger / RMV / Graupner / MSE		dec-13
EFRA2012	BP		dec-13
EFRA2015	NovaRossi		dec-13
EFRA2017	Max Power		dec-13
EFRA2018	Max Power / RB / Mega / Xceed		dec-13
EFRA2020	R&B		dec-13

[www.efra.ws](http://www.efra.ws)

EFRA, General Secretary  
Willy Wuyts,  
Herentalsesteenweg 20,  
2220 Heist op den Berg, Belgium

Fax: +32 15241470  
Mobile: +32 477947109  
E-mail: [secretary@efra.ws](mailto:secretary@efra.ws)

International Bank Account Number  
IBAN: SE 21 6000 0000 0000 43 202 799  
Handelsbanken, Norrköping, Sweden  
Swift-Code: HANDSESS

EFRA2021	Schepis/Boss		dec-13
EFRA2022	Axe Rossi		dec-13
EFRA2023	SPM		dec-13
EFRA2024	SPM Off-road		dec-13
EFRA2029	Radiosistemi		dec-13
EFRA2030	Radiosistemi		dec-13
EFRA2031	Radiosistemi/JP		dec-13
EFRA2032	Radiosistemi		dec-13
EFRA2033	Picco / Mega / LRP / IDM		dec-13
EFRA2034	Technokit/RCE/Hipex		dec-13
EFRA2035	Thunder Tiger/Associated/Reedy		dec-13
EFRA2036	Max Power		dec-13
EFRA2037	ATS		dec-13
EFRA2039	Thunder Tiger/Associated/Reedy		dec-13
EFRA2040	AxeRossi		dec-13
EFRA2041	Mielke / Orcan / RMV / Xceed / MSE / Graupner / Ansmann / Thunder Tiger / Carson / Buggysport Racing / Nitrotec		dec-13
EFRA2042	OS Engines Mugen-Seiki / Ninja /S-Workz / JQ Products		dec-13
EFRA2043	OS Engines		dec-13
EFRA2045	R&B		dec-13
EFRA2046	Picco / Mega / LRP / IDM		dec-13
EFRA2047	Hong Nor		dec-13
EFRA2048	Radiosistemi		dec-13
EFRA2050	Axe Rossi		dec-13
EFRA2051	R&R Non Solo Racing		dec-13
EFRA2052	NovaRossi		dec-13
EFRA2053	GRP Gandini		dec-13
EFRA2054	GRP Gandini		dec-13
EFRA2055	GRP Gandini		dec-13
EFRA2056	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM		dec-13
EFRA2057	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM		dec-13
EFRA2058	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM		dec-13
EFRA2060	Shengine		dec-13
EFRA2061	Mielke / Xceed / MSE		dec-13
EFRA2062	Hongnor	buggy	dec-13
EFRA2063	LRP / NOSRAM	buggy	dec-13
EFRA2064	DI Monaco Model		dec-13
EFRA2065	Orion		dec-13
EFRA2066	Orion		dec-13
EFRA2067	EDAM		dec-13
EFRA2068	Capricorn		dec-13
EFRA2069	RCE/Hipex/Gimar		dec-13
EFRA2070	Mielke		dec-13
EFRA2071	Team Losi	buggy	dec-13
EFRA2072	Go Tech		dec-13
EFRA2073	MAX		dec-13
EFRA2074	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM		dec-13

EFRA3001	R&B		dec-13
EFRA3002	R&B		dec-13
EFRA3003	R&B		dec-13
EFRA3004	NovaRossi		dec-13
EFRA3005	NovaRossi		dec-13
EFRA3006	NovaRossi		dec-13
EFRA3007	NovaRossi		dec-13
EFRA3008	GRP		dec-13
EFRA3009	GRP		dec-13
EFRA3011	BP		dec-13
EFRA3012	Mielke / RMV / MSE / Orcan		dec-13
EFRA3013	SPM		dec-13
EFRA3014	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM		dec-13
EFRA3015	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM		dec-13
EFRA3016	Hongnor		dec-13
EFRA3017	Radio Sistemi		dec-13
EFRA3018	Radio Sistemi		dec-13
EFRA3019	Radio Sistemi		dec-13
EFRA3020	Schepis/Boss		dec-13
EFRA3021	Di Monaco		dec-13
EFRA3023	VP Racing		dec-13
EFRA3024	Max		dec-13
EFRA3025	OS		dec-13
EFRA3026	OS		dec-13
EFRA3027	OS		dec-13
EFRA3028	OS		dec-13
EFRA3029	Team Orion CRF		dec-13
EFRA3030	Team Orion CRF		dec-13
EFRA3031	Picco / Mega / LRP / IDM		dec-13
EFRA3032	Picco / Mega / LRP / IDM		dec-13
EFRA3033	SH/Golden Lion		dec-13
EFRA3034	RCE		dec-13
EFRA3035	RCE		dec-13
EFRA3036	JP		dec-13
EFRA3037	LRP 36220	buggy	dec-13
EFRA3038	LRP 36230 / NOSRAM	buggy	dec-13
EFRA3039	LRP 36240	buggy	dec-13
EFRA3043	OEM-EFRA3025		dec-13
EFRA3044	OEM-EFRA3026		dec-13
EFRA3045	OEM-EFRA3027		dec-13
EFRA3046	OEM-EFRA3028		dec-13
EFRA2075	Shengine / Dynamite / Horizon	buggy	dec-13
EFRA2076	LRP / NOSRAM	buggy	dec-13
EFRA2077	Ital Trading / EZ Power		dec-13
EFRA2078	Max		dec-13
EFRA2079	Max		dec-13
EFRA2080	Hong Nor	buggy	dec-13

EFRA2081	SSTech/Alpha/Dynamite	buggy	dec-13
EFRA2082	Grossi		dec-13
EFRA2083	Schepis / REDS / Boss		dec-13
EFRA2084	NovaRossi		dec-13
EFRA2085	Hudy / Xray	buggy	dec-13
EFRA2086	Dimonaco		dec-13
EFRA2087	RB	buggy	dec-13
EFRA2088	PR-RC.com	buggy	dec-13
EFRA2089	OS Engines / Mugen-Seiki / Ninja / S-Workz / JQ Products	buggy	dec-13
EFRA2090	SSTech/Alpha Plus	buggy	dec-13
EFRA2091	VP	buggy	dec-13
EFRA2092	RB	on road	dec-13
EFRA2093	Losi / LOSR8003	buggy	dec-13
EFRA2094	Max-power	on road	dec-13
EFRA2095	Hipex new low noise pipe	on road	dec-14
EFRA2096	Novarossi	buggy	dec-13
EFRA2097	R&B	buggy	dec-13
EFRA2098	OS Engines		dec-13
EFRA2099	Xceed, Vox, Idm, Sonic, Reds, Lrp, BlissRc	buggy	dec-13
EFRA2100	Hudy / Xray	buggy	dec-13
EFRA2101	Sworkz	buggy	dec-13
EFRA2102	BlissRc, Sirio, Boss and SM		dec-13
EFRA2103	Arrow/Go-Engine	buggy	dec-14
EFRA2104	REDS Racing	buggy	dec-14
EFRA2105	Global Hobbies	buggy	dec-14
EFRA2106	HsiChia Co. Ltd / Weiken	buggy	dec-14
EFRA2107	SST/Alpha Engines	buggy	dec-14
EFRA2108	RCE/Hipex		dec-14
EFRA2109	LRP	buggy	dec-14

**Mufflers 1/10th**

EFRA 2501	Mielke / Carson / Ansmann / RMV/ MSE		dec-13
EFRA2502	R&B		dec-13
EFRA2503	NovaRossi/Mega		dec-13
EFRA2504	Picco		dec-13
EFRA 2505	CR France		dec-13
EFRA2601	NovaRossi		dec-13
EFRA2602	Max power		dec-13
EFRA2603	Associated		dec-13
EFRA2604	R&B		dec-13
EFRA2606	RCCpower		dec-13
EFRA2607	Picco / Mega / LRP / IDM		dec-13
EFRA2608	Rossi, Axe		dec-13
EFRA2609	Mugen		dec-13
EFRA2610	Mielke		dec-13
EFRA2611	Sirio by LM		dec-13

EFRA2612	Sirio by LM		dec-13
EFRA2613	Habbecke		dec-13
EFRA2614	Schepis		dec-13
EFRA2615	Max		dec-13
EFRA2616	CR France		dec-13
EFRA2617	IDM		dec-13
EFRA2618	Technokit / Hipex / RCE		dec-13
EFRA2619	Picco		dec-13
EFRA2620	Radiosistemi		dec-13
EFRA2621	ATS		dec-13
EFRA2622	SPM		dec-13
EFRA2623	Team magic		dec-13
EFRA2624	Mielke / Orcan / Xceed / MSE		dec-13
EFRA2625	Team Magic		dec-13
EFRA2626	Mielke / Xceed		dec-13
EFRA2627	R&R Non Solo Racing		dec-13
EFRA2628	LRP		dec-13
EFRA2630	NovaRossi		dec-13
EFRA2631	GRP Gandini		dec-13
EFRA2632	GRP Gandini		dec-13
EFRA2633	GRP Gandini		dec-13
EFRA2634	Team Orion		dec-13
EFRA2635	Team Orion		dec-13
EFRA2636	Team Orion		dec-13
EFRA2637	Team Orion		dec-13
EFRA2638	Team Orion		dec-13
EFRA2639	Kyosho type A		dec-13
EFRA2640	Kyosho type B		dec-13
EFRA2641	Serpent Mega		dec-13
EFRA2642	Vantage		dec-13
EFRA2643	Fioroni		dec-13
EFRA2644	LRP		dec-13
EFRA2645	Graupner		dec-13
EFRA2646	Graupner		dec-13
EFRA2647	Orion		dec-13
EFRA2648	Capricorn		dec-13
EFRA2649	Max		dec-13
EFRA2650	EDAM		dec-13
EFRA2651	Picco / Mega / LRP / IDM		dec-13
EFRA2652	NovaRossi		dec-13
EFRA2653	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM		dec-13
EFRA2654	RCE/Hipex/GIMAR		dec-13
EFRA2655	SchepisModel/Boss/REDS		dec-13
EFRA2656	Orion		dec-13
EFRA2657	OS speed / Mugen		dec-13
EFRA2658	Sirio Orion CRF Boss SM REDS Werks KM Epic by LM		dec-13
EFRA3501	NovaRossi		dec-13

EFRA2659	R&B		dec-13
EFRA2660	NovaRossi		dec-13
EFRA2661	Os-engines		dec-13
EFRA2662	Capricorn		dec-13
EFRA2663	Mielke / Orcan		dec-13
EFRA2664	Max		dec-13
EFRA2665	Max		dec-13
EFRA2666	Max		dec-13
EFRA2667	Picco		dec-13
EFRA2668	R&B		dec-13
EFRA2669	Hipex		dec-13
EFRA2670	Max		dec-13
EFRA2671	BlissRc, Sirio, Boss and SM		dec-13
EFRA2672	OS		dec-13
EFRA2673	Hipex / RCE, low noise		dec-14

**NEW Procedure for old mufflers from the list of 2013.**

Anybody who want to have his muffler on the list again for the new season has to send 1 sample with EFRA number and a drawing to the muffler registration officer.

First send an email to: [muffler.homologation@efra.ws](mailto:muffler.homologation@efra.ws)

- Specify the mufflers you want to have registrated, give the old number.
- Also attach the drawings of the mufflers concerned.

**NEW Procedure for NEW mufflers.**

Anybody who want to have a new muffler registrated for the new season has to send 2 samples with a drawing to the muffler registration officer.

First send an email to: [muffler.homologation@efra.ws](mailto:muffler.homologation@efra.ws)

- Specify the mufflers you want to have registrated.
- Also attach the drawings of the mufflers concerned.

The deadline to send an email is January 20th 2014. After you have send an email you will get the adress to send in the mufflers (1 or 2 samples needed with a deadline to send them of February 5th) and you will receive an invoice for the new period (120,- euro per muffler, or 60,- euro per muffler for associated members for a period of 2 years).

For any questions please do not hesitate to send me and email.

Regards,

Sander de Graaf

EFRA 1/8<sup>th</sup> - 1/10<sup>th</sup> muffler registration officer.