Initial wait counter value.

Bit number	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ID																	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Reset 0x0000FFFF	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**

ID	R/W	Field	Value ID	Value	Description
A	RW	INITWAITVAL			Number of clock cycles to wait before sampling data from the noise source.

7.8.1.7.34 RNGCONTROL.DISABLEOSC[n] (n=0..1)

Address offset: 0x1038 + (n × 0x4)

Disable oscillator rings #n*32 to #((n+1)*32)-1.

Bit number	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ID	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Reset 0x00000000	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

ID	R/W	Field	Value ID	Value	Description
A	RW	DISABLEOSC			Disable oscillator rings #n*32 to #((n+1)*32)-1.

7.8.1.7.35 RNGCONTROL.SWOFFTMRVAL

Address offset: 0x1040

Switch off timer value.

Bit number	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ID																	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Reset 0x0000FFFF	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**

ID	R/W	Field	Value ID	Value	Description
A	RW	SWOFFTMRVAL			Number of clk cycles to wait before stopping the rings after the FIFO is full.

7.8.1.7.36 RNGCONTROL.CLKDIV

Address offset: 0x1044

Sample clock divider.

Bit number	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ID																									A	A	A	A	A	A	A	A
Reset 0x00000000	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

ID	R/W	Field	Value ID	Value	Description
A	RW	CLKDIV			Sample clock divider. The frequency at which the outputs of the rings are sampled is given by: Fs=Fpclk/(ClkDiv+1).

7.8.1.7.37 RNGCONTROL.AIS31CONF0

Address offset: 0x1048

AIS31 configuration register 0.