

**Table of ceasefire violations as of 28 November 2018<sup>1</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-4km SSW	Recorded	1	Projectile	E to W	N/K	27-Nov, 21:20
	1-2km SSW	Recorded	2	Projectile	NE to SW	N/K	28-Nov, 16:18
	1-2km SSW	Recorded	1	Projectile	In vertical flight	N/K	28-Nov, 16:18
	1-2km SSW	Recorded	2	Projectile	E to W	N/K	28-Nov, 16:19
	1-2km SSW	Recorded	1	Projectile	NE to SW	N/K	28-Nov, 16:33
	1-2km SSW	Recorded	3	Projectile	NE to SW	N/K	28-Nov, 16:34
	1-2km SSW	Recorded	3	Projectile	WNW to ESE	N/K	28-Nov, 16:34
	0.5-1.5km SSW	Recorded	1	Explosion	Airburst	N/K	28-Nov, 16:40
	1-2km SSW	Recorded	1	Projectile	E to W	N/K	28-Nov, 16:41
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	3-5km E	Recorded	8	Projectile	S to N	N/K	28-Nov, 02:31
	3-5km E	Recorded	1	Projectile	SW to NE	N/K	28-Nov, 02:32
	3-5km E	Recorded	1	Projectile	S to N	N/K	28-Nov, 02:32
	1-3km ESE	Recorded	2	Illumination flare	In vertical flight	N/K	28-Nov, 17:51
	1-3km ESE	Recorded	7	Projectile	S to N	N/K	28-Nov, 18:01
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km SE	Recorded	3	Explosion	Undetermined	N/K	27-Nov, 22:57
	2-4km SE	Recorded	2	Explosion	Undetermined	N/K	27-Nov, 23:00
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	27-Nov, 23:00
	100-800m E	Recorded	1	Projectile	SE to NW	N/K	27-Nov, 23:02
	200-800m ENE	Recorded	1	Explosion	Subsequent impact	N/K	27-Nov, 23:02
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	27-Nov, 23:02
	200-800m SE	Recorded	1	Projectile	SE to NW	N/K	27-Nov, 23:04
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	27-Nov, 23:04
	0.5-1km E	Recorded	1	Explosion	Undetermined	N/K	27-Nov, 23:04
	3-6km E	Recorded	1	Explosion	Undetermined	N/K	28-Nov, 05:10
0.5-1km E	Recorded	16	Projectile	N to S	N/K	28-Nov, 17:46	
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)							28-Nov, 00:21
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	
SMM camera at Prince Ihor Monument SE of Stanytsia Luhanska bridge (15km NE of Luhansk)					Assessed as outside the disengagement area		27-Nov, 23:49
	2-4km NNW	Recorded	1	Explosion		N/K	
SMM camera in Zolote (government-controlled, 60km W of Luhansk)					NNW to SSE (assessed as outside the disengagement area)		28-Nov, 16:44
	0.5-1km ENE	Recorded	1	Projectile		N/K	
2.2km SE of Avdiivka (government-controlled, 17km N of Donetsk)	1km SE	Heard	5	Shot		Small arms	28-Nov, 09:04

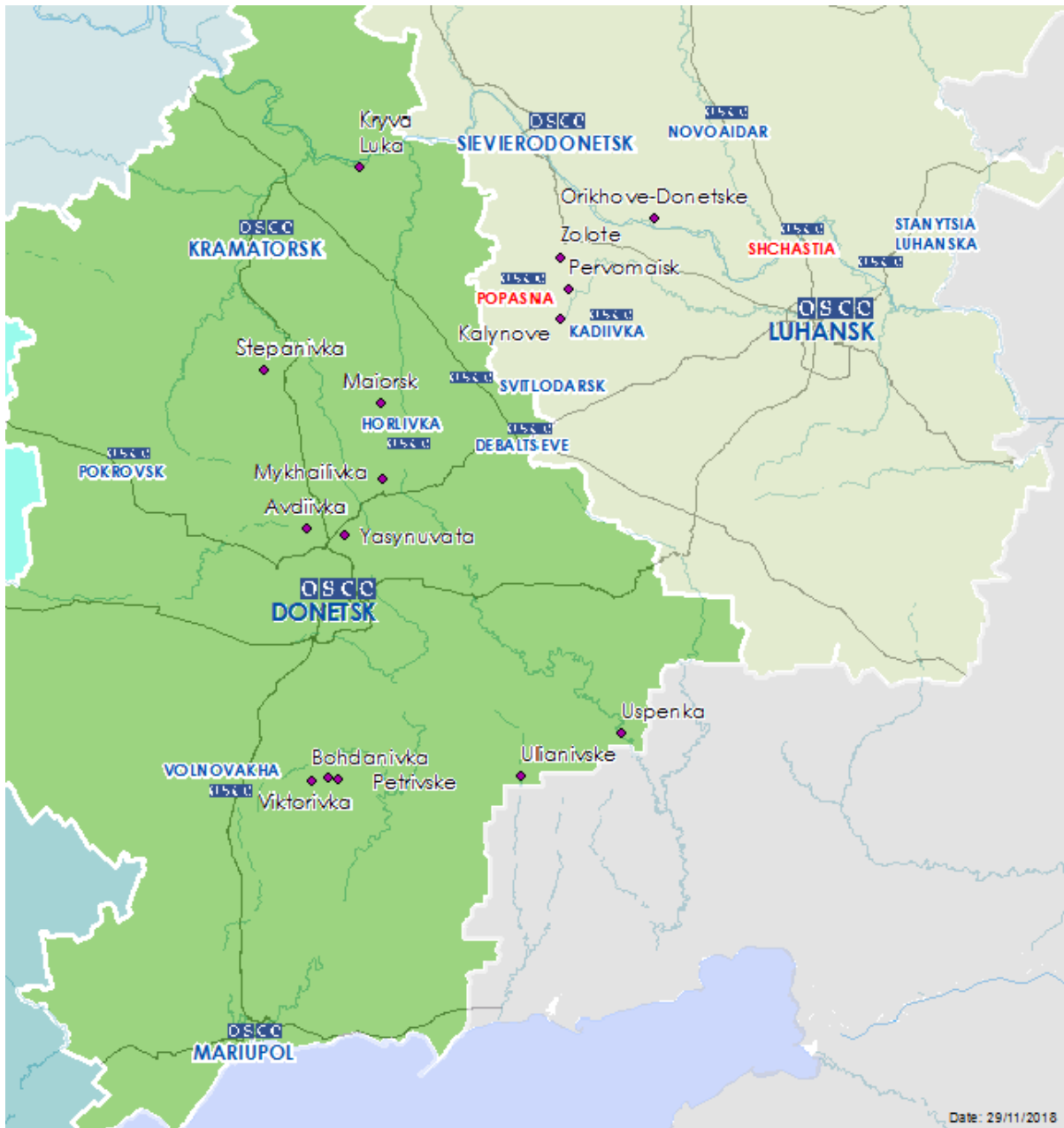
<sup>1</sup> The table only includes ceasefire violations directly observed by the SMM and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground, and are not always necessarily precise. When information is not known (indicated with an “N/K”), the SMM was unable to ascertain such information due to distance, weather conditions and/or other considerations. Ceasefire violations recorded by more than one patrol and assessed to be the same are entered only once.

About 2km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	8-10km W	Heard	6	Explosion	Undetermined	N/K	28-Nov, 14:15-14:36
Central railway station in Donetsk(non-government-controlled, 6km NW of Donetsk)	2km NW	Heard	5	Burst		Small arms	28-Nov, 09:18
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	2-3km SW	Heard	20	Explosion	Undetermined (assessed inside the disengagement area)	N/K	28-Nov, 10:30-10:34
	2-3km SW	Heard	4	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	28-Nov, 10:40-10:43
1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km NW	Heard	26	Shot		HMG	28-Nov, 09:40
	2-3km NW	Heard	17	Explosion	Undetermined	N/K	28-Nov, 09:46-09:50
	2-3km NW	Heard	1	Shot		HMG	28-Nov, 10:18
	2-3km NW	Heard	30	Shot		HMG	28-Nov, 10:23-10:30
	2-3km NNW	Heard	26	Shot		HMG	28-Nov, 10:33-10:35
	2-6km NNW	Heard	6	Explosion	Undetermined	N/K	28-Nov, 10:40-10:42
	5-6km NW	Heard	6	Explosion	Undetermined	N/K	28-Nov, 12:45-12:58
	2-3km NNW	Heard	33	Shot		HMG	28-Nov, 13:00-13:12
	N/K NNE	Heard	6	Burst		HMG	28-Nov, 11:35-10:25
Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-7km W	Heard	1	Explosion	Undetermined	N/K	27-Nov, 20:43
	10-12km W	Heard	1	Explosion	Undetermined	N/K	27-Nov, 21:20
	10-12km SW	Heard	1	Explosion	Undetermined	N/K	27-Nov, 21:53
	10-12km SW	Heard	1	Explosion	Undetermined	N/K	27-Nov, 22:56
	5-7km SW	Heard	5	Explosion	Undetermined	N/K	28-Nov, 11:50-12:01
	12-15km E	Heard	18	Explosion	Undetermined	N/K	28-Nov, 16:40-17:00
	6-8km E	Heard	25	Explosion	Undetermined	N/K	28-Nov, 17:00-17:30
	4-6km E	Heard		Shot and burst	Uncountable	Small arms	28-Nov, 17:20-17:30
	6-8km E	Heard	3	Explosion	Undetermined	N/K	28-Nov, 17:45-17:46
	4-6km E	Heard	7	Burst		HMG	28-Nov, 17:45
4-6km E	Heard	6	Burst		HMG	28-Nov, 17:55	
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km SW	Heard	1	Explosion	Undetermined	N/K	27-Nov, 18:43
	3-4km SW	Heard	3	Burst		HMG	27-Nov, 18:58
	3-4km SW	Heard	5	Burst		HMG	27-Nov, 19:07
	3-4km SW	Heard		Burst	Uncountable	HMG	27-Nov, 19:22-19:28
	4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 19:29-19:34
	4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 19:35-19:39
	4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 19:40-19:45
	4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov,

						19:46-19:51	
4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 19:52-19:57	
4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 19:58-20:03	
3-4km W	Heard	3	Burst	Undetermined	HMG	27-Nov, 20:15	
3-4km W	Heard	3	Explosion	Undetermined	N/K	27-Nov, 20:18	
3-4km SW	Heard	4	Burst	Undetermined	HMG	27-Nov, 20:18	
4-5km SW	Heard	10	Burst	Undetermined	HMG	27-Nov, 20:19	
4-5km SW	Heard	9	Burst	Undetermined	HMG	27-Nov, 20:20	
4-5km W	Heard	1	Explosion	Undetermined	N/K	27-Nov, 20:20	
3-4km SW	Heard	4	Burst	Undetermined	HMG	27-Nov, 20:21	
4-5km W	Heard	4	Explosion	Undetermined	N/K	27-Nov, 20:23	
3-4km SW	Heard	3	Burst	Undetermined	HMG	27-Nov, 20:24	
4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 20:26-20:31	
4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 20:32-20:37	
4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 20:38-20:43	
4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 20:44-20:49	
4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 20:50-20:55	
4-5km SW	Heard	3	Explosion	Undetermined	N/K	27-Nov, 20:55	
3-4km SW	Heard	3	Explosion	Undetermined	N/K	27-Nov, 21:02	
4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 21:35-21:40	
4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 21:41-21:46	
4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 21:47-21:52	
3-4km W	Heard	1	Burst	Uncountable	N/K	27-Nov, 21:52	
4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 21:54-22:00	
4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 22:01-22:06	
4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 22:07-22:12	
4-5km SW	Heard		Burst	Uncountable	HMG	27-Nov, 22:13-22:18	
4-5km W	Heard	1	Explosion	Undetermined	N/K	27-Nov, 23:57	
4-5km W	Heard	3	Burst	Undetermined	HMG	28-Nov, 00:05	
4-5km SSW	Heard	4	Burst	Undetermined	HMG	28-Nov, 00:05	
4-5km W	Heard	1	Explosion	Undetermined	N/K	28-Nov, 00:07	
4-5km SW	Heard	4	Burst	Undetermined	HMG	28-Nov, 00:07	
4-5km W	Heard	1	Explosion	Undetermined	N/K	28-Nov, 00:15	
4-5km W	Heard	2	Explosion	Undetermined	N/K	28-Nov, 00:19	
4-5km SW	Heard	3	Burst	Undetermined	HMG	28-Nov, 00:20	
4-5km SW	Heard		Burst	Uncountable	HMG	28-Nov, 00:45-00:47	
4-5km W	Heard	1	Explosion	Undetermined	N/K	28-Nov, 02:07	
4-5km SW	Heard		Burst	Uncountable	HMG	28-Nov, 02:10-02:15	
3-4km SW	Heard		Burst	Uncountable	HMG	28-Nov, 02:28-02:30	
E edge of Kamianka (government-controlled, 20km N of Donetsk)	2-3km NNE	Heard	1	Explosion	Undetermined	N/K	28-Nov, 10:50
NW edge of Oleksandrivsk (non-government-controlled, 10km	10km NNE	Heard	1	Explosion	Undetermined	N/K	28-Nov, 09:28

W of Luhansk)							
3.7km SW of Muratove (government-controlled, 51km NW of Luhansk)	4-5km SE	Heard	9	Explosion	Undetermined	N/K	28-Nov, 11:22-11:35
S outskirts of Smile (non-government-controlled, 31km NW of Luhansk)	10km SW	Heard	6	Explosion	Undetermined	N/K	28-Nov, 11:46-11:54
Putylyne (government-controlled, 44km NW of Luhansk)	13-15km NE	Heard	11	Explosion	Undetermined	N/K	28-Nov, 11:55-12:21
Putylyne (government-controlled, 44km NW of Luhansk)	8-10km SW	Heard	2	Explosion	Undetermined	N/K	28-Nov, 11:55-12:21
2km NW of Kapitanove (government-controlled, 49km NW of Luhansk)	4-5km N	Heard	4	Explosion	Undetermined	N/K	28-Nov, 12:19-12:29
W edge of Pervomaisk (non-government-controlled, 58km W of Luhansk)	8-10km NNE	Heard	91	Explosion	Undetermined	N/K	28-Nov, 13:10-14:00
	8-10km NNE	Heard	28	Burst		HMG	28-Nov, 13:10-14:00
SW edge of Molodizhne (non-government-controlled, 63km NW of Luhansk)	10-12km NNE	Heard	11	Explosion	Undetermined	N/K	28-Nov, 14:10-14:15
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	10-15km N	Heard	19	Explosion	Undetermined	N/K	28-Nov, 15:00-15:20
	10-15km N	Heard	3	Burst		HMG	28-Nov, 15:00-15:20
	10-15km W	Heard	2	Burst		IFV (BMP-2) cannon (30mm)	28-Nov, 15:10
	10-15km SW	Heard	4	Explosion	Undetermined	N/K	28-Nov, 15:15-15:20

### Map of Donetsk and Luhansk regions<sup>2</sup>



<sup>2</sup> The SMM is deployed to ten locations throughout Ukraine – Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Donetsk, Dnipro, Chernivtsi, Luhansk and Kyiv – as per Permanent Council Decision 1117 of 21 March 2014. This map of eastern Ukraine is meant for illustrative purposes and indicates locations mentioned in the report, as well as those where the SMM has offices (monitoring teams, patrol hubs, and forward patrol bases) in Donetsk and Luhansk regions. (In red: forward patrol bases from which SMM staff has temporarily relocated based on recommendations of security experts from participating States as well as SMM security considerations).