

**Table of ceasefire violations as of 28 February 2019<sup>1</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-5km SSE	Recorded	1	Muzzle flash		N/K	27-Feb, 17:22
	3-5km SSE	Recorded	1	Muzzle flash		N/K	27-Feb, 17:23
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	27-Feb, 17:23
	2-5km SSE	Recorded	1	Projectile	E to W	N/K	27-Feb, 17:27
	2-5km SSE	Recorded	11	Projectile	E to W	N/K	27-Feb, 17:30
	2-5km SSE	Recorded	9	Projectile	E to W	N/K	27-Feb, 17:31
	2-5km SSE	Recorded	6	Projectile	E to W	N/K	27-Feb, 17:33
	2-5km SSE	Recorded	3	Projectile	E to W	N/K	27-Feb, 17:36
	2-5km SE	Recorded	2	Muzzle flash		N/K	27-Feb, 17:36
	2-5km SSE	Recorded	6	Projectile	E to W	N/K	27-Feb, 17:37
	2-5km SSE	Recorded	8	Projectile	E to W	N/K	27-Feb, 17:38
	2-5km SE	Recorded	1	Muzzle flash		N/K	27-Feb, 17:38
	2-5km SE	Recorded	13	Projectile	E to W	N/K	27-Feb, 17:39
	2-5km SE	Recorded	2	Muzzle flash		N/K	27-Feb, 17:40
	2-5km SE	Recorded	1	Projectile	ENE to WSW	N/K	27-Feb, 17:40
	2-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	27-Feb, 17:41
	2-5km SSE	Recorded	3	Projectile	W to E	N/K	27-Feb, 17:41
	2-5km SSE	Recorded	8	Projectile	W to E	N/K	27-Feb, 17:42
	2-5km SE	Recorded	1	Projectile	ENE to WSW	N/K	27-Feb, 17:42
	2-5km SE	Recorded	2	Projectile	ENE to WSW	N/K	27-Feb, 17:48
	2-5km SE	Recorded	5	Projectile	ENE to WSW	N/K	27-Feb, 18:11
	2-5km SSE	Recorded	3	Projectile	WSW to ENE	N/K	27-Feb, 18:11
	2-5km SE	Recorded	7	Projectile	ENE to WSW	N/K	27-Feb, 18:25
	2-5km SE	Recorded	4	Projectile	ENE to WSW	N/K	27-Feb, 18:26
	2-5km SSE	Recorded	4	Projectile	WSW to ENE	N/K	27-Feb, 18:26
	2-5km SSE	Recorded	15	Projectile	WSW to ENE	N/K	27-Feb, 18:27
	2-5km SSE	Recorded	3	Projectile	WSW to ENE	N/K	27-Feb, 18:36
	2-5km SSE	Recorded	3	Projectile	WSW to ENE	N/K	27-Feb, 18:48
	2-5km SSE	Recorded	10	Projectile	ENE to WSW	N/K	27-Feb, 18:48
	2-5km SSE	Recorded	12	Projectile	WSW to ENE	N/K	27-Feb, 18:49
	2-5km SSE	Recorded	4	Projectile	ENE to WSW	N/K	27-Feb, 18:57
	2-5km SSE	Recorded	2	Projectile	WSW to ENE	N/K	27-Feb, 18:57
	2-5km SSE	Recorded	11	Projectile	WSW to ENE	N/K	27-Feb, 18:58
	2-5km SSE	Recorded	9	Projectile	ENE to WSW	N/K	27-Feb, 18:58
	2-5km SSE	Recorded	5	Projectile	ENE to WSW	N/K	27-Feb, 19:12
	2-5km SSE	Recorded	9	Projectile	ENE to WSW	N/K	27-Feb, 19:13
	2-5km SE	Recorded	1	Explosion	Undetermined	N/K	27-Feb, 19:13
	2-5km SSE	Recorded	4	Projectile	WSW to ENE	N/K	27-Feb, 19:13
	4-7km SSE	Recorded	3	Projectile	ENE to WSW	N/K	27-Feb, 19:17
	4-7km SSE	Recorded	1	Projectile	WNW to ESE	N/K	27-Feb, 19:17
	2-5km SSE	Recorded	4	Projectile	ENE to WSW	N/K	27-Feb, 19:18
	2-5km SSE	Recorded	3	Projectile	WSW to ENE	N/K	27-Feb, 19:18
2-5km SSE	Recorded	2	Projectile	ENE to WSW	N/K	27-Feb, 19:19	
2-5km S	Recorded	3	Projectile	WSW to ENE	N/K	27-Feb, 19:19	
2-5km SSE	Recorded	7	Projectile	ENE to WSW	N/K	27-Feb, 19:20	
2-4km S	Recorded	3	Projectile	WSW to ENE	N/K	27-Feb, 19:20	
2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	27-Feb, 19:21	
2-4km SSE	Recorded	5	Projectile	WSW to ENE	N/K	27-Feb, 19:22	
2-5km SSE	Recorded	2	Projectile	ENE to WSW	N/K	27-Feb, 19:29	
2-5km SSE	Recorded	10	Projectile	ENE to WSW	N/K	27-Feb, 19:30	
2-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	27-Feb, 19:31	

<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.

	2-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	27-Feb, 19:31
	2-5km SSE	Recorded	12	Projectile	ENE to WSW	N/K	27-Feb, 19:32
	2-5km SSE	Recorded	7	Projectile	WSW to ENE	N/K	27-Feb, 19:32
	2-5km SSE	Recorded	18	Projectile	ENE to WSW	N/K	27-Feb, 19:33
	2-5km SSE	Recorded	12	Projectile	ENE to WSW	N/K	27-Feb, 19:34
	2-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	27-Feb, 19:35
	2-5km SE	Recorded	7	Projectile	ENE to WSW	N/K	27-Feb, 19:35
	2-5km SE	Recorded	4	Projectile	ENE to WSW	N/K	27-Feb, 19:36
	2-5km SE	Recorded	2	Projectile	ENE to WSW	N/K	27-Feb, 19:37
	2-5km SE	Recorded	4	Projectile	ENE to WSW	N/K	27-Feb, 19:37
	2-5km SSE	Recorded	10	Projectile	ENE to WSW	N/K	27-Feb, 19:56
	2-5km SE	Recorded	20	Projectile	ENE to WSW	N/K	27-Feb, 19:56
	2-5km SE	Recorded	7	Projectile	WSW to ENE	N/K	27-Feb, 19:57
	2-5km SE	Recorded	9	Projectile	ENE to WSW	N/K	27-Feb, 19:57
	2-5km SSE	Recorded	5	Projectile	WSW to ENE	N/K	27-Feb, 19:58
	2-5km SE	Recorded	16	Projectile	ENE to WSW	N/K	27-Feb, 19:58
	2-5km SSE	Recorded	18	Projectile	WSW to ENE	N/K	27-Feb, 19:59
	2-5km SE	Recorded	15	Projectile	ENE to WSW	N/K	27-Feb, 19:59
	2-4km SSE	Recorded	6	Projectile	WSW to ENE	N/K	27-Feb, 20:00
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	27-Feb, 20:00
	2-5km SE	Recorded	6	Projectile	ENE to WSW	N/K	27-Feb, 20:12
	2-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	27-Feb, 20:13
	2-5km SE	Recorded	5	Projectile	ENE to WSW	N/K	27-Feb, 20:14
	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	27-Feb, 20:48
	2-4km SSE	Recorded	7	Projectile	WSW to ENE	N/K	27-Feb, 20:49
	2-4km SE	Recorded	8	Projectile	ENE to WSW	N/K	27-Feb, 20:49
	2-4km SE	Recorded	9	Projectile	ENE to WSW	N/K	27-Feb, 20:50
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	27-Feb, 21:01
	2-4km SE	Recorded	9	Projectile	SW to NE	N/K	27-Feb, 21:01
	2-4km SE	Recorded	4	Projectile	NE to SW	N/K	27-Feb, 21:04
	2-4km SE	Recorded	6	Projectile	NE to SW	N/K	27-Feb, 21:26
	2-4km SSE	Recorded	2	Projectile	NE to SW	N/K	27-Feb, 21:27
	2-4km SSE	Recorded	3	Projectile	SW to NE	N/K	27-Feb, 21:27
	2-4km SSE	Recorded	1	Projectile	SW to NE	N/K	27-Feb, 22:00
	2-4km SSE	Recorded	4	Projectile	SW to NE	N/K	27-Feb, 22:01
	2-4km SSE	Recorded	3	Projectile	SW to NE	N/K	27-Feb, 22:02
	2-4km SSE	Recorded	3	Projectile	SW to NE	N/K	27-Feb, 22:42
	2-4km SSE	Recorded	2	Projectile	NE to SW	N/K	27-Feb, 22:46
	2-4km SE	Recorded	6	Projectile	NE to SW	N/K	28-Feb, 00:13
	2-4km SE	Recorded	4	Projectile	NE to SW	N/K	28-Feb, 00:14
	2-4km SE	Recorded	4	Projectile	NE to SW	N/K	28-Feb, 00:19
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	28-Feb, 01:03
	2-4km SE	Recorded	5	Projectile	SW to NE	N/K	28-Feb, 01:13
	2-4km SE	Recorded	12	Projectile	SW to NE	N/K	28-Feb, 01:41
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	28-Feb, 01:47
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	28-Feb, 02:09
	2-4km SE	Recorded	3	Projectile	NE to SW	N/K	28-Feb, 02:27
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	28-Feb, 02:43
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	28-Feb, 02:55
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	28-Feb, 03:31
	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	28-Feb, 03:32
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	28-Feb, 04:01
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	28-Feb, 04:29
	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	28-Feb, 04:49
	2-3km SSE	Recorded	1	Projectile	NE to SW	N/K	28-Feb, 18:24
	2-3km SSE	Recorded	1	Projectile	WNW to ESE	N/K	28-Feb, 18:25
	1.5-3km SSW	Recorded	1	Projectile	WNW to ESE	N/K	27-Feb, 18:22
	1.5-3km SSW	Recorded	1	Projectile	E to W	N/K	27-Feb, 19:49
	1-1.5km SSW	Recorded	1	Projectile	WSW to ENE	N/K	27-Feb, 21:26
	1-2km SE	Recorded	1	Explosion	Impact	N/K	27-Feb, 21:26
	1-1.5km SSW	Recorded	1	Muzzle flash		N/K	27-Feb, 21:26
	1-2km SE	Recorded	1	Explosion	Impact	N/K	27-Feb, 21:27
	1-1.5km SSW	Recorded	1	Projectile	WSW to ENE	N/K	27-Feb, 21:27
	1-1.5km SSW	Recorded	1	Muzzle flash		N/K	27-Feb, 21:27
SMM camera at Donetsk Filtration Station (15km N of Donetsk)							

	1-2km SE	Recorded	1	Explosion	Impact	N/K	27-Feb, 21:28
	1-1.5km SSW	Recorded	1	Projectile	WSW to ENE	N/K	27-Feb, 21:28
	1-1.5km SSW	Recorded	1	Muzzle flash		N/K	27-Feb, 21:28
	1-2km SE	Recorded	1	Explosion	Impact	N/K	27-Feb, 21:52
	1-1.5km SSW	Recorded	1	Projectile	WSW to ENE	N/K	27-Feb, 21:52
	1-1.5km SSW	Recorded	1	Muzzle flash		N/K	27-Feb, 21:52
	1-2km S	Recorded	4		E to W	N/K	28-Feb, 00:43
	1-1.5km S	Recorded	1	Muzzle flash		N/K	28-Feb, 00:43
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Feb, 01:22
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	4-5km E	Recorded	2	Explosion	Undetermined	N/K	27-Feb, 18:17
	3-5km ESE	Recorded	1	Projectile	S to N	N/K	28-Feb, 04:07
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-3km S	Recorded	1	Explosion	Undetermined	N/K	28-Feb, 00:48
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-3km ENE	Recorded	5	Projectile	S to N	N/K	28-Feb, 18:06
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 25km NE of Mariupol)	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Feb, 17:59
	2-4km S	Recorded	2	Muzzle flash		N/K	28-Feb, 18:06
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Feb, 18:06
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Feb, 18:07
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Feb, 18:11
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	28-Feb, 18:15
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	28-Feb, 18:19
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	28-Feb, 18:21
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Feb, 18:25
Debaltseve (58km NE of Donetsk)	6-7km NW	Heard	23	Explosion	Undetermined	N/K	28-Feb, 03:30-05:30
	6-8km NW	Heard	3	Explosion	Undetermined	N/K	28-Feb, 17:10-17:20
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-5km SW	Heard	1	Explosion	Undetermined	N/K	28-Feb, 09:21
	4-6km SW	Heard	6	Explosion	Undetermined	N/K	28-Feb, 09:28-09:30
	3-5km SW	Heard	1	Shot		Small arms	28-Feb, 09:32
	4-6km SW	Heard	2	Explosion	Undetermined	N/K	28-Feb, 09:32
	5-8km WSW	Heard	3	Explosion	Undetermined	N/K	28-Feb, 09:37-09:42
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	28-Feb, 09:43
	4-5km WSW	Heard	2	Explosion	Undetermined	N/K	28-Feb, 09:44-09:45
	4-6km SW	Heard	2	Explosion	Undetermined	N/K	28-Feb, 09:58-09:59
	3-5km SW	Heard	3	Explosion	Undetermined	N/K	28-Feb, 10:02
	3-5km SW	Heard	21	Burst		HMG	28-Feb, 10:02
	4-6km SW	Heard	1	Explosion	Undetermined	N/K	28-Feb, 10:04
	6-8km SW	Heard	4	Explosion	Undetermined	N/K	28-Feb, 10:08-10:12
	2-4km SW	Heard	1	Explosion	Undetermined	N/K	28-Feb, 10:49
	1-2km SW	Heard	8	Shot		Small arms	28-Feb, 10:52-10:53
	1-2km SW	Heard	9	Burst	Undetermined	Small arms	28-Feb, 10:53-10:54
	1-2km SW	Heard	3	Shot		Small arms	28-Feb, 10:55
	2-3km SW	Heard	62	Explosion	Undetermined	N/K	28-Feb, 11:08-

							11:12
	2-3km SW	Heard	Uncountable	Burst	Overlapping	Small arms	28-Feb, 11:08-11:15
	3-4km SW	Heard	58	Explosion	Undetermined	N/K	28-Feb, 11:16-11:19
	3-4km SW	Heard	13	Burst		Small arms	28-Feb, 11:19-11:20
	2-3km SW	Heard	4	Shot		Small arms	28-Feb, 11:26
	2-4km SW	Heard	24	Explosion	Undetermined	N/K	28-Feb, 12:21-12:24
	2-4km SW	Heard	13	Explosion	Undetermined	N/K	28-Feb, 12:25-12:26
	2-4km SW	Heard	26	Explosion	Undetermined	N/K	28-Feb, 12:29-12:30
	1-2km SW	Heard	13	Shot			28-Feb, 14:00-14:03
About 2km NNW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-5km W	Heard	70	Burst		Small arms	28-Feb, 10:30-10:32
	2-4km SW	Heard	18	Explosion	Undetermined	N/K	28-Feb, 10:32-10:37
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	1-2km SSW	Heard	2	Shot	Assessed as outside the disengagement area	Small arms	28-Feb, 10:06
	1-2km SSW	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	28-Feb, 10:15
About 3km NE of central railway station in Donetsk (non-government-controlled, 6km NNW of Donetsk city centre)	2-3km WNW	Heard	5	Explosion	Undetermined	N/K	28-Feb, 10:10-10:12
	2km W	Heard	1	Explosion	Undetermined	N/K	28-Feb, 10:16
About 8km NE of central railway station in Donetsk (non-government-controlled, 9km N of Donetsk city centre)	1-2km NNW	Heard	Uncountable	Burst	Overlapping	Small arms	28-Feb, 11:20-11:22
About 9km ENE of central railway station in Donetsk (non-government-controlled, 9km NE of Donetsk city centre)	1-2km W	Heard	Uncountable	Explosion	Overlapping	N/K	28-Feb, 11:39-11:42
	1-2km W	Heard	Uncountable	Burst	Overlapping	Small arms	28-Feb, 11:39-11:42
About 1km SW of Dokuchaievsk (non-government-controlled, 30km SW of Donetsk)	1km NW	Heard	37	Shot		Small arms	28-Feb, 10:37
Dokuchaievsk (non-government-controlled, 30km SW of Donetsk)	2-3km W	Heard	1	Explosion	Undetermined	N/K	28-Feb, 11:05
Staromykhailivka (non-government-controlled, 15km W of Donetsk)	2-3km W	Heard	1	Explosion	Undetermined	N/K	28-Feb, 12:10
1km NNW of	4-5km NNW	Heard	1	Explosion	Undetermined	N/K	28-Feb, 12:00

Pyshchevyk (government-controlled, 25km NE of Mariupol)							
About 1km W of Verkhnohyrokiyske (formerly Oktiabr, non-government-controlled, 29km NE of Mariupol)	1-2km WNW	Heard	20	Shot		Small arms	28-Feb, 12:25
Horlivka (non-government-controlled, 39km NE of Donetsk)	5-8km SW	Heard	35	Explosion	Undetermined	N/K	28-Feb, 05:00-05:08
	3-5km SW	Heard	8	Shot		Small arms	28-Feb, 05:20-05:21
	5-8km SW	Heard	1	Explosion	Undetermined	N/K	28-Feb, 05:45
	5-8km SW	Heard	2	Explosion	Undetermined	N/K	28-Feb, 05:50
	5-8km SW	Heard	3	Explosion	Undetermined	N/K	28-Feb, 05:56
	5-8km NW	Heard	11	Explosion	Undetermined	N/K	28-Feb, 05:56-06:00
	5-8km NW	Heard	6	Explosion	Undetermined	N/K	28-Feb, 06:23
	5-8km NW	Heard	4	Explosion	Undetermined	N/K	28-Feb, 17:23
NW edge of Horlivka (non-government-controlled, 39km NE of Donetsk)	2-4km NW	Heard	3	Explosion	Undetermined	N/K	28-Feb, 10:52
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km E	Heard	27	Burst		Small arms	27-Feb, 19:51-19:53
	2-3km E	Heard	10	Burst		Small arms	27-Feb, 20:34
	2-3km E	Heard	4	Burst		Small arms	27-Feb, 20:51
	2-3km E	Heard	23	Burst		Small arms	27-Feb, 20:57-20:59
	2-3km E	Heard	14	Shot		Small arms	27-Feb, 20:57-21:00
	2-3km E	Heard	10	Burst		Small arms	27-Feb, 21:02
	2-3km E	Heard	21	Burst		Small arms	27-Feb, 21:15-21:17
	2-3km E	Heard	6	Burst		Small arms	27-Feb, 21:41
	2-3km E	Heard	6	Burst		Small arms	27-Feb, 23:07
	2-3km SW	Heard	9	Shot		Small arms	27-Feb, 23:08
About 300m N of Troitske (government-controlled, 43km N of Donetsk)	2-3km SE	Heard	2	Explosion	Undetermined	N/K	28-Feb, 11:28-11:30
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	5-6km SW	Heard	30	Explosion	Undetermined	N/K	28-Feb, 11:10-11:15
	5-6km SW	Heard	20	Explosion	Undetermined	N/K	28-Feb, 11:15-11:20
	5-6km SW	Heard	10	Explosion	Undetermined	N/K	28-Feb, 11:34
	5-6km SW	Heard	50	Explosion	Undetermined	N/K	28-Feb, 11:43-11:46
	5-6km SW	Heard	3	Explosion	Undetermined	N/K	28-Feb, 11:51
	2-4km SE	Heard	4	Explosion	Undetermined	N/K	28-Feb, 12:25
	2-4km SE	Heard	3	Explosion	Undetermined	N/K	28-Feb, 13:10
	2-4km SE	Heard	1	Explosion	Undetermined	N/K	28-Feb, 13:42

## 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).