## Table of ceasefire violations as of 17 May 2019<sup>1</sup>

SMM	Event						
position	location	Means	No.	Observation	Description	Weapon	Date, time
SMM	location	Wicans	110.	Obscivation	Description	vvcapon	Date, time
camera in							
Berezove							
(government-							
controlled,							
31km SW of							
Donetsk)	1-2km SE	Recorded	2	Projectile	NE to SW	N/K	17-May, 10:29
2 oneton)	5-8km SSE	Recorded	1	Explosion	Undetermined	N/K	16-May, 20:28
	3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	16-May, 20:54
	5-8km SSE	Recorded	1	Explosion	Undetermined	N/K	16-May, 20:56
	5-8km SSE	Recorded	1	Explosion	Undetermined	N/K	16-May, 20:57
	3-5km SSE	Recorded	7	Projectile	ENE to WSW	N/K	16-May, 21:06
	3-5km SSE	Recorded	4	Projectile	ENE to WSW	N/K	16-May, 21:08
	3-5km SSE	Recorded	11	Projectile	ENE to WSW	N/K	16-May, 21:09
	1-2km SSE	Recorded	4	Projectile	WNW to ESE	N/K	16-May, 21:51
	3-5km SSE	Recorded	2	Projectile	WSW to ENE	N/K	16-May, 21:53
	3-5km SSE	Recorded	4	Projectile	WSW to ENE	N/K	16-May, 21:54
				Projectile			
	3-5km SSE	Recorded Recorded	4		WSW to ENE	N/K N/K	16-May, 21:56
	5-8km SSE		1	Explosion	Undetermined	_	16-May, 21:58
	3-5km SSE	Recorded	3	Projectile	ENE to WSW	N/K	16-May, 23:01
	9-11km	D 1.1		D 1 41	NINIE ( CCVV	NI/IZ	16 14 22 07
	SSE	Recorded	1	Projectile	NNE to SSW	N/K	16-May, 23:07
	9-11km	D 1.1		T 1 '	TT 1	NT/TZ	1634 22.07
	SSE	Recorded	1	Explosion	Undetermined	N/K	16-May, 23:07
a	3-5km SSE	Recorded	1	Projectile	NE to SW	N/K	16-May, 23:08
SMM .	3-5km SSE	Recorded	5	Projectile	NE to SW	N/K	16-May, 23:10
camera in	3-5km SSE	Recorded	1	Projectile	NE to SW	N/K	16-May, 23:13
Chermalyk	3-5km SSE	Recorded	3	Projectile	ENE to WSW	N/K	16-May, 23:17
(government-	3-5km SSE	Recorded	5	Projectile	ENE to WSW	N/K	16-May, 23:21
controlled, 31km NE of	3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	16-May, 23:23
Mariupol)	3-5km SSE	Recorded	3	Projectile	ENE to WSW	N/K	16-May, 23:28
Mariupor)	3-5km SSE	Recorded	3	Projectile	ENE to WSW	N/K	16-May, 23:46
	1-3km SE	Recorded	1	Projectile	NW to SE	N/K	17-May, 00:47
	9-11km S	Recorded	2	Projectile	WSW to ENE	N/K	17-May, 01:18
	3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	17-May, 01:24
	3-5km SSE	Recorded	5	Projectile	ENE to WSW	N/K	17-May, 01:28
	3-5km SE	Recorded	13	Projectile	WSW to ENE	N/K	17-May, 01:42
	3-5km SE	Recorded	28	Projectile	WSW to ENE	N/K	17-May, 01:43
	1-3km S	Recorded	1	Projectile	W to E	N/K	17-May, 01:44
	9-11km						
	SSE	Recorded	1	Projectile	NNW to SSE	N/K	17-May, 02:10
	9-11km						
	SSE	Recorded	3	Projectile	N to S	N/K	17-May, 02:11
	9-11km						
	SSE	Recorded	2	Projectile	NNW to SSE	N/K	17-May, 02:12
	9-11km						
	SSE	Recorded	2	Projectile	N to S	N/K	17-May, 02:13
	9-11km						
	SSE	Recorded	1	Projectile	N to S	N/K	17-May, 02:14
	3-5km SSE	Recorded	3	Projectile	ENE to WSW	N/K	17-May, 23:46
	0.3-1km S	Recorded	1	Projectile	SSE to NNW	N/K	16-May, 20:56

<sup>&</sup>lt;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.

	0.7-1km S	Recorded	9	Projectile	E to W	N/K	16-May, 20:59
	0.7-1km S	Recorded	2	Projectile	E to W	N/K	16-May, 21:03
	0.3-1km S	Recorded	1	Projectile	S to N	N/K	16-May, 21:04
SMM	0.3-1km S	Recorded	1	Projectile	WSW to ENE	N/K	16-May, 21:04
camera at	0.3-1km S	Recorded	3	Projectile	S to N	N/K	16-May, 21:05
Donetsk	0.7-1km S	Recorded	2	Projectile	ENE to WSW	N/K	16-May, 21:05
Filtration	0.3-1km S	Recorded	2	Projectile	SSE to NNW	N/K	16-May, 21:06
Station	0.5-1km S	Recorded	10	Projectile	W to E	N/K	16-May, 21:07
(15km N of	0.5-1km S	Recorded	1	Explosion	Impact	N/K	16-May, 21:07
Donetsk)	0.3-1km S	Recorded	3	Projectile	NW to SE	N/K	16-May, 21:07
	0.3-1km S	Recorded	1	Projectile	SSE to NNW	N/K	16-May, 21:07
	0.3-1km						
	SSW	Recorded	2	Projectile	WNW to ESE	N/K	16-May, 21:08
	0.5-1km						
	SSW	Recorded	7	Projectile	W to E	N/K	16-May, 21:08
	0.5-1km S	Recorded	1	Explosion	Impact	N/K	16-May, 21:08
	0.5-1km		_				1.11
	SSW	Recorded	1	Projectile	SSE to NNW	N/K	16-May, 21:12
	0.3-1km	D 1.1	2	D . 1 11	NIW CE	NI/IZ	17.14 02.52
	SSW	Recorded	2	Projectile	NW to SE	N/K	17-May, 02:53
	0.5-1km SSW	Recorded	2	Projectile	WNW to ECE	N/K	17 May 02.57
SMM	4-6km E	Recorded	1	Muzzle flash	WNW to ESE	N/K	17-May, 02:57 16-May, 23:13
camera	4-6km E	Recorded	1	Explosion	Undetermined	N/K	16-May, 23:13
1.5km NE of	4-6km E	Recorded	3	Projectile	N to S	N/K	17-May, 02:11
Hnutove	4-6km E	Recorded	2	Projectile	N to S	N/K	17-May, 02:11
(government-	4-6km E	Recorded	2	Projectile	N to S	N/K	17-May, 02:12
controlled,	4 OKHI E	Recorded		Trojectne	11100	11/12	17 May, 02.13
20km NE of							
Mariupol)	4-6km E	Recorded	1	Projectile	N to S	N/K	17-May, 02:14
SMM							
camera at							
entry-exit							
checkpoint in							
Pyshchevyk							
(government-controlled,							
25km NE of							
Mariupol)	1-3km SSE	Recorded	3	Projectile	ENE to WSW	N/K	16-May, 23:03
SE part of	1-2km SE	Heard	1	Explosion	Undetermined	N/K	17-May, 09:50
Avdiivka				1			17-May, 12:23-
(government-	2-3km SE	Heard	7	Explosion	Undetermined	N/K	12:35
controlled,				•			17-May, 12:23-
17km N of	2-3km SE	Heard	4	Burst		HMG	12:35
Donetsk)	1-2km SE	Heard	1	Explosion	Undetermined	N/K	17-May, 15:10
About 2.4km							
NE of							
Proletarskyi							
district (non-							
government-							
controlled,	1						
13km SE of Donetsk city	2-3km						17-May, 09:53-
centre)	NNE	Heard	71	Shot		HMG	17-May, 09:55- 10:47
Trudivski	1-2km NW	Heard	1	Explosion	Undetermined	N/K	17-May, 12:21
area (non-	1 ZRIII I VV	110010	1	Zapiosion	Shacterininea	1 1/ 12	17 171ay, 12.21
government-							
controlled,							
15km SW of							
Donetsk city							
	1-2km SW	Heard	1	Explosion	Undetermined	N/K	17-May, 12:34
centre)							17-May, 09:28-
About 1km	2-3km						
About 1km NW of the	NNW	Heard	3	Explosion	Undetermined	N/K	09:52
About 1km NW of the railway	NNW 3-4km SW	Heard Heard	3	Explosion Explosion	Undetermined Undetermined	N/K N/K	09:52 17-May, 09:31
About 1km NW of the	NNW						

_	1		i	1	1	1	1
(non-							
government-							
controlled,							
16km NE of							
Donetsk)							
Hnutove							
(government-							
controlled,	0.01					G 11	
20km NE of	2-3km		2	CI.		Small	17.34 00.45
Mariupol)	NNE	Heard	2	Shot		arms	17-May, 09:45
Lebedynske							
(government-							
controlled,						C11	17 M 11.06
16km NE of	2-3km ESE	Heard	20	Shot		Small	17-May, 11:26- 11:29
Mariupol)	2-3KIII ESE	пеаги	20	Shot		arms	11:29
Naberezhne							
(non-							
government- controlled,							
33km NE of						Small	
Mariupol)	2-4km SSE	Heard	14	Shot		arms	17-May, 13:48
Horlivka	2-4KIII 55E	Hearu	14	Shot		arms	17-May, 15.48
(non-	7-9km S	Heard	65	Explosion	Undetermined	N/K	06:25
government-	7-7KIII 5	Ticaru	0.5	Explosion	Ondetermined	14/15	17-May, 06:50-
controlled,	7-9km S	Heard	8	Explosion	Undetermined	N/K	06:52
39km NE of	7-7KIII 5	Ticaru	- 0	Explosion	Ondetermined	14/15	17-May, 07:24-
Donetsk)	7-9km S	Heard	8	Explosion	Undetermined	N/K	07:30
About 2km	7-7KIII 5	Ticaru	0	Explosion	Ondetermined	11/10	07.50
N of							
Kamianka							
(government-							
controlled,							
20km N of							
Donetsk)	2-3km W	Heard	1	Explosion	Undetermined	N/K	17-May, 08:37
About 500m	2-3km E	Heard	1	Explosion	Undetermined	N/K	17-May, 08:54
NE of	2-3km E	Heard	1	Explosion	Undetermined	N/K	17-May, 09:12
Kamianka	2-3km NE	Heard	1	Explosion	Undetermined	N/K	17-May, 09:28
(government-	2-3km NE	Heard	1	Explosion	Undetermined	N/K	17-May, 09:39
controlled,	2-3km N	Heard	1	Explosion	Undetermined	N/K	17-May, 09:51
20km N of	2 5111111	1100110	-	Ziipiosion	Charteninica	1,112	17 11243, 05101
Donetsk)	2-3km E	Heard	10	Burst		HMG	17-May, 10:52
SMM	3-5km ESE	Recorded	3	Projectile	NNW to SSE	N/K	16-May, 21:14
camera on N	3-5km ESE	Recorded	2	Projectile	In vertical flight	N/K	17-May, 01:42
edge of				_			-
Popasna							
(government-							
controlled,							
69km W of							
Luhansk)	3-5km ESE	Recorded	2	Projectile	In vertical flight	N/K	17-May, 01:43
					S to N (assessed as		
					outside the		
	3-5km E	Recorded	1	Projectile	disengagement area)	N/K	16-May, 21:41
					In vertical flight		
					(assessed as outside		
SMM	4.51.5		_	<b>.</b>	the disengagement		1
camera in	4-6km S	Recorded	6	Projectile	area)	N/K	16-May, 21:54
Zolote					In vertical flight,		
(government-					approximately 300		
controlled,					rounds (assessed as		
60km W of	4.61 665	n , ,	_	D.	outside the	NI/IZ	16 M 21 77
Luhansk)	4-6km SSE	Recorded	9	Burst	disengagement area)	N/K	16-May, 21:55
					WSW to ENE		
					(assessed as inside		
	2 21-m CE	Dacard - J	1	Drojectil-	the disengagement	NI/W	16 May 22:25
	2-3km SE 2-3km SE	Recorded Recorded	1	Projectile Projectile	area) WSW to ENE	N/K N/K	16-May, 23:25
I	∠-JKIII <b>S</b> E	Recorded	1	Projectile	WOW WEINE	1 <b>N/ IX</b>	16-May, 23:29

		l			(assessed as inside		
					the disengagement		
					area) WSW to ENE		
					(assessed as inside		
					the disengagement		
	2-3km SE	Recorded	1	Projectile	area)	N/K	17-May, 00:00
					In vertical flight (assessed as inside		
					the disengagement		
	3-5km ESE	Recorded	3	Projectile	area)	N/K	17-May, 00:00
					In vertical flight,		
					approximately 20 rounds (assessed as		
					inside the		
	3-5km ESE	Recorded	3	Burst	disengagement area)	N/K	17-May, 00:01
					WSW to ENE		•
					(assessed as inside		
	2-3km ESE	Recorded	1	Projectile	the disengagement area)	N/K	17-May, 00:01
	2-3KIII ESE	Accolucu	1	Tiojectile	WSW to ENE	1 1/ 1%	17-1v1ay, 00.01
					(assessed as inside		
					the disengagement		
	2-3km SE	Recorded	2	Projectile	area)	N/K	17-May, 00:04
					In vertical flight, approximately 10		
					rounds (unable to		
					assess whether		
					inside or outside the		
	3-5km ESE	Recorded	1	Burst	disengagement area)	N/K	17-May, 00:05
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	16-May, 19:00- 19:02
	3 3km SE	Ticara		Expression	Chacterininea	17/12	16-May, 22:40-
	3-5km SE	Heard	15	Burst		HMG	23:00
	2.51 .05	** 1	22	G1		Small	16-May, 22:40-
	3-5km SE	Heard	22	Shot		arms	23:00 16-May, 23:23-
	5-7km ENE	Heard	18	Explosion	Undetermined	N/K	17 May, 01:10
	, , , , , , , , , , , , , , , , , , , ,						16-May, 23:23-
	3-5km SE	Heard	90	Burst		HMG	17 May, 01:10
	2.51 .05	77 1	220	G1 ·		Small	16-May, 23:23-
	3-5km SE	Heard	220	Shot		arms	17 May, 01:10 17-May, 01:40-
	3-5km SE	Heard	47	Burst		HMG	02:00
						Small	17-May, 01:40-
	3-5km SE	Heard	120	Shot		arms	02:00
	2.51 .05	77 1		D (		III	17-May, 02:07-
	3-5km SE	Heard	55	Burst		HMG Small	02:47 17-May, 02:07-
	3-5km SE	Heard	107	Shot		arms	02:47
							17-May, 02:07-
	5-10km S	Heard	35	Explosion	Undetermined	N/K	02:47
	8-10km SSE	Haard	10	Evalorion	Undetermined	NI/IZ	17-May, 02:07- 02:47
N edge of Popasna (government- controlled, 69 km W of Luhansk)	SSE	Heard	18	Explosion	Undetermined	N/K	17-May, 03:11-
	3-5km SE	Heard	80	Burst		HMG	03:27
						Small	17-May, 03:11-
	3-5km SE	Heard	175	Shot		arms	03:27
	3-5km NE	Heard	30	Explosion	Undetermined	N/K	17-May, 07:03- 07:50
	J-JKIII IVE	ricara	30	Lapiosion	ondetermined	11/11	17-May, 07:03-
	3-5km E	Heard	113	Explosion	Undetermined	N/K	07:50
	2.51.5					37/77	17-May, 07:03-
	3-5km S	Heard	87	Explosion	Undetermined	N/K	07:50
	3-5km SE	Heard	257	Explosion	Undetermined	N/K	17-May, 07:03- 07:50
I	o cambe	1 110010			- Industrialiou	1	07.00

1	1	ı	I	l	1	l	1 17 M 07 02 1
	3-5km SE	Heard	105	Burst		N/K	17-May, 07:03- 07:50
	6-9km E	Heard	59	Explosion	Undetermined	N/K	17-May, 17:20- 17:40
	6-9km E	Heard	102	Burst		N/K	17-May, 17:20- 17:40
	6-9km S	Heard and saw	1	Explosion	Undetermined	N/K	17-May, 17:20- 17:40
E edge of	7-10km SE	Heard	5	Explosion	Undetermined	N/K	17-May, 09:57-
Popasna (government-	7-10km SE	Heard	4	Burst		HMG	10:04 17-May, 09:57-
controlled, 69 km W of	3-5km ESE	Heard	4	Explosion	Undetermined	N/K	10:04 17-May, 09:57-
Luhansk) 2km S of							10:04
Muratove (government- controlled,							
51km NW of Luhansk)	3-5km S	Heard	7	Evaluation	Undetermined	IFV (type N/K)	17-May, 09:49- 10:02
3km SE of	3-3KIII S	пеан	/	Explosion	Ondetermined	IN/K)	10.02
Hirske (government- controlled,							
63km W of							17-May, 09:55-
Luhansk) W edge of	8-9km SE	Heard	5	Explosion	Undetermined	N/K	10:02
W edge of Pervomaisk							
(non-							
government-					Undetermined		
controlled,					(unable to assess if		
58km W of	4.61.31	TT 1		F 1 .	inside or outside	NI/IZ	17.14 10.02
Luhansk)	4-6km N	Heard	2	Explosion	disengagement area)	N/K	17-May, 10:03
1.5km N of Kalynove							
(non-							
government-							
controlled,							
60km W of	2-3km					Small	
Luhansk)	WSW	Heard	9	Shot		arms	17-May, 11:26
N edge of	8-10km						17-May, 11:56-
Sentianivka	NW	Heard	23	Explosion	Undetermined	N/K	12:09
(formerly							
Frunze, non-							
government- controlled,							
44km W of	8-10km						17-May, 11:56-
Luhansk)	NW	Heard	10	Burst		HMG	12:09
1km W of							
Zolote-							
2/Karbonit							
(government-							
controlled,	10.10-						
62km W of	10-12km	II1	_	E1	II. data	NI/IZ	17-May, 12:35-
Luhansk)	SE	Heard	2	Explosion	Undetermined	N/K	12:37

## 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).