

Table of ceasefire violations as of 16 November 2017¹

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-7km NW	Heard and saw 6 (outgoing) explosions	Artillery (type N/K)	15 November, 22:03-22:06
		Heard and saw 25 (outgoing) explosions		15 November, 22:07-22:28
	10-12km SSW	Heard and saw 4 (outgoing) explosions		15 November, 22:23-22:26
	5-7km SSE	Heard 5 undetermined explosions	N/K	15 November, 22:37-22:40
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1.5kmS	Recorded 3 projectiles from E to W	N/K	15 November, 17:54
		Recorded 5 projectiles from E to W		15 November, 17:56
		Recorded 2 undetermined explosions		15 November, 17:57
		Recorded 28 projectiles from E to W		15 November, 17:58-18:00
		Recorded 2 undetermined explosions		
		Recorded 2 projectiles from W to E		15 November, 18:02
		Recorded 30 projectiles from E to W		15 November, 18:03
		Recorded 4 projectiles from E to W		15 November, 18:04
		Recorded 5 projectiles from E to W		15 November, 18:08
		Recorded 1 undetermined explosion		15 November, 18:09
		Recorded 4 projectiles from E to W		15 November, 18:10
		Recorded 1 projectile from W to E		15 November, 18:33
		Recorded 1 undetermined explosion		15 November, 18:44
		Recorded 2 projectiles from E to W		15 November, 18:44
		Recorded 2 projectiles from E to W		15 November, 18:45
		Recorded 3 projectiles from E to W		15 November, 18:46
		Recorded 1 undetermined explosion		15 November, 18:47
		Recorded 5 projectiles from E to W		15 November, 19:06
		Recorded 1 undetermined explosion		15 November, 19:10
		Recorded 1 projectile from E to W		15 November, 19:11
		Recorded 1 projectile from E to W		15 November, 19:14
		Recorded 1 projectile from S to N		15 November, 19:15
		Recorded 1 projectile from E to W		15 November, 19:16
		Recorded 3 projectiles from E to W		15 November, 19:17
		Recorded 2 projectiles from E to W		15 November, 19:18
		Recorded 1 undetermined explosion		15 November, 20:05
		Recorded 1 undetermined explosion		15 November, 20:06
		Recorded 4 undetermined explosions		15 November, 20:07
		Recorded 1 tracer from E to W		15 November, 20:34
		Recorded 1 undetermined explosion		15 November, 21:58
		Recorded 1 projectile from E to W		15 November, 23:34
		Recorded 1 tracer from W to E		16 November, 00:15
		Recorded 1 undetermined explosion		16 November, 00:47
		Recorded 3 undetermined explosions		15 November, 00:48
		Recorded 22 projectiles from E to W		16 November, 00:49
		Recorded 16 projectiles from E to W		16 November, 00:50
		Recorded 6 projectiles from E to W		16 November, 00:51
		Recorded 6 projectiles from E to W		16 November, 00:52
		Recorded 8 projectiles from E to W		16 November, 00:55
		Recorded 8 projectiles from E to W		
Recorded 1 undetermined explosion				
Recorded 1 projectile from W to E				

¹ 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.

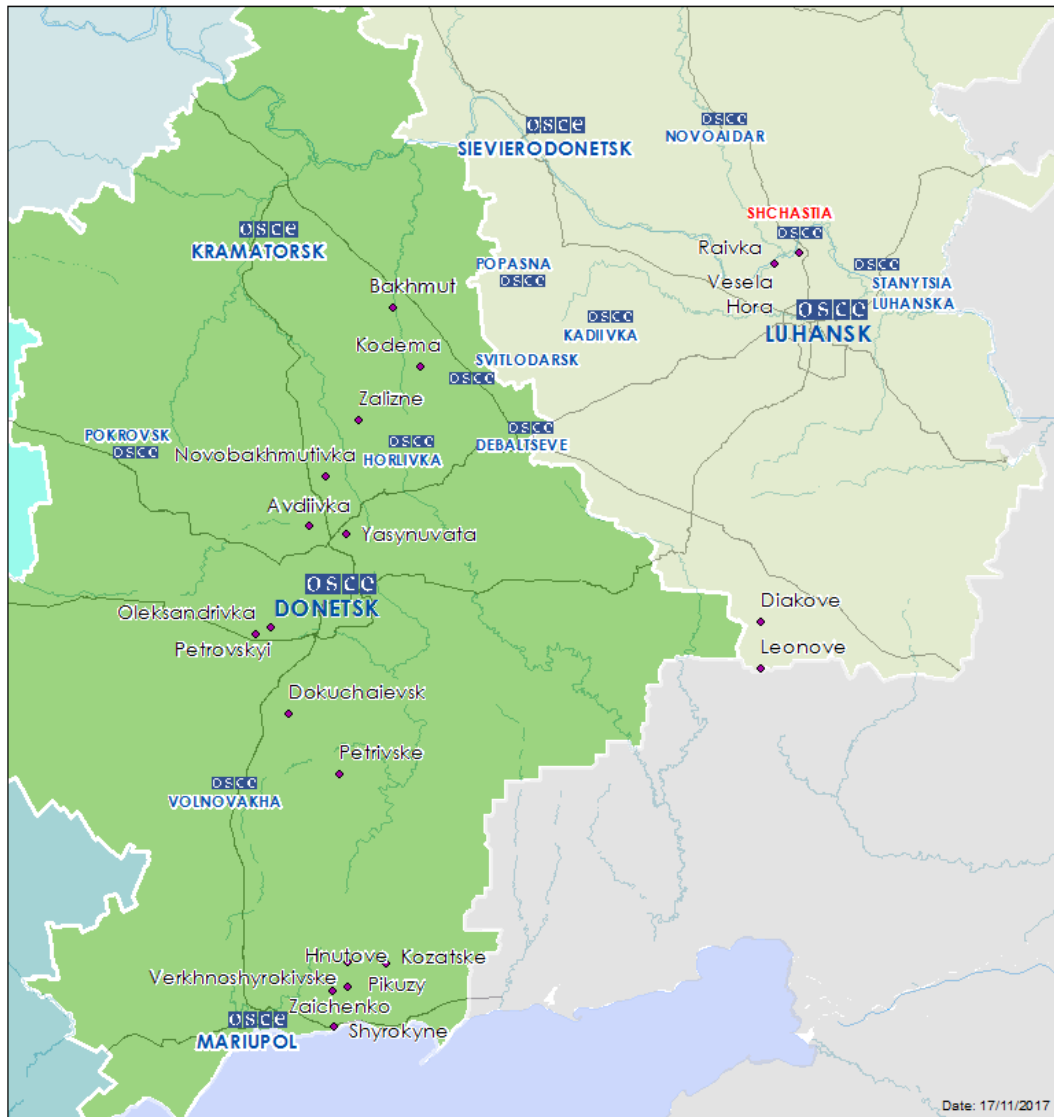
		Recorded 6 projectiles from E to W	Artillery (type N/K)	16 November, 00:56
		Recorded 1 undetermined explosion		16 November, 00:57
		Recorded 1 airburst		16 November, 01:00
		Recorded 2 projectiles from E to W		16 November, 01:12
		Recorded 1 undetermined explosion		16 November, 01:13
		Recorded 2 undetermined explosions		16 November, 02:01
		Recorded 2 undetermined explosions		16 November, 02:02
		Recorded 1 undetermined explosion		16 November, 02:03
		Recorded 2 projectiles from E to W		16 November, 02:04
		Recorded 1 projectile from E to W		16 November, 02:06
		Recorded 1 undetermined explosion		16 November, 02:10
		Recorded 1 undetermined explosion		16 November, 02:14
		Recorded 1 projectile from S to N		16 November, 02:31
		Recorded 6 muzzle flashes		16 November, 02:34
		Recorded 1 undetermined explosion		16 November, 02:35
		Recorded 10 muzzle flashes		16 November, 02:36
		Recorded 5 projectiles from S to N		16 November, 02:37
		Recorded 2 projectiles E to W		16 November, 02:42
		Recorded 3 undetermined explosions		16 November, 02:43
		Recorded 2 tracers from S to N		16 November, 02:44
		Recorded 4 undetermined explosions		16 November, 02:46
		Recorded 3 projectiles from S to N		16 November, 03:04
		Recorded 1 undetermined explosion		16 November, 04:00
		Recorded 1 undetermined explosion		16 November, 04:01
		Recorded 1 undetermined explosion		16 November, 04:02
		Recorded 1 undetermined explosion		16 November, 06:56
		Recorded 1 undetermined explosion		16 November, 06:57
		Recorded 1 undetermined explosion		16 November, 06:58
		Recorded 1 explosion (impact)		16 November, 08:08
		Recorded 5 projectiles from E to W		16 November, 17:32
SMM camera in Shyrokyne (20km E of Mariupol)	5-8km N	Recorded 3 illumination flares in vertical flight	N/K	15 November, 17:34
		Recorded 7 illumination flares in vertical flight		15 November, 17:36
		Recorded 8 illumination flares in vertical flight		15 November, 17:37
		Recorded 2 projectiles from E to W		15 November, 18:11
		Recorded 1 projectile from W to E		15 November, 21:36
		Recorded 9 tracers from W to E		15 November, 21:37
		Recorded 1 tracer from E to W		15 November, 21:38
		Recorded 15 tracers from E to W		15 November, 21:39
		Recorded 6 tracers from E to W		15 November, 21:50
		Recorded 4 tracers from W to E		15 November, 21:55
		Recorded 1 projectile from E to W		15 November, 21:56
		Recorded 1 tracer from W to E		15 November, 21:58
		Recorded 1 projectile from W to E		15 November, 22:00
		Recorded 1 undetermined explosion		15 November, 22:01
		Recorded 1 tracer from W to E		15 November, 22:02
		Recorded 10 tracers from E to W		15 November, 22:09
		Recorded 5 tracers from E to W		15 November, 22:14
		Recorded 4 tracers from E to W		15 November, 22:17
		Recorded 6 tracers from E to W		15 November, 22:17
		Recorded 8 tracers from W to E		16 November, 02:01
		Recorded 7 tracers from E to W		16 November, 02:03
		Recorded 5 tracers from E to W		16 November, 02:03
		Recorded 1 tracer from E to W		16 November, 02:40
		Recorded 8 tracers from E to W		16 November, 02:42
		Recorded 2 tracers from W to E		16 November, 02:42
		Recorded 2 projectiles from E to W		16 November, 02:59
		Recorded 10 tracers from E to W		16 November, 03:01
		Recorded 1 tracer from E to W		16 November, 04:00
		Recorded 9 projectiles from E to W		16 November, 17:15

		Recorded 2 projectiles from W to E		16 November, 17:28
		Recorded 2 projectiles from W to E		16 November, 17:41
		Recorded 1 projectile from W to E		16 November, 17:42
		Recorded 1 undetermined explosion		16 November, 18:28
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	4-6km ESE	Recorded 10 tracers from S to N	N/K	15 November, 21:47
SMM camera in Petrivske (“DPR”-controlled, 41km S of Donetsk)	0.8-1km WSW	Recorded 7 tracers in flight from SW to NE (assessed as inside the disengagement area)	N/K	14 November, 20:29
	0.3-0.5km S	Recorded 2 tracers in flight from E to W (assessed as outside the disengagement area)		14 November, 21:38
	1-3km SSW	Recorded 13 tracers in flight from W to E (unable to assess whether inside or outside the disengagement area)		14 November, 23:39
		Recorded 15 tracers in flight from W to E (unable to assess whether inside or outside the disengagement area)		15 November, 00:47
	1-2km SSW	Recorded 11 tracers in flight from W to E (unable to assess whether inside or outside the disengagement area)		15 November, 02:55
	1km S	Recorded 1 projectile in flight from N to S (unable to assess whether inside or outside the disengagement area)		15 November, 04:52
	2-3km SSW	Recorded 17 tracers in flight from W to E (unable to assess whether inside or outside the disengagement area)		
		Recorded 3 projectiles in flight from N to S (unable to assess whether inside or outside the disengagement area)		
0.1-0.3km SW	Recorded 3 tracers in flight from E to W (assessed as outside the disengagement area)			
Railway station in Yasynuvata (“DPR”-controlled, 16km N of Donetsk)	10-15km NW	Heard 9 undetermined explosions	N/K	16 November, 10:54-11:12
	10-15km N	Heard 10 undetermined explosions		
	10-15km W	Heard 5 undetermined explosions		
	2-5km W	Heard 25 bursts	Small arms	16 November, 11:20-11:30
		Heard 18 shots		
	2-5km W	Heard 8 undetermined explosions	N/K	16 November, 11:36-12:00
		Heard 20 undetermined explosions		
	10-15km NW	Heard 50 undetermined explosions		
	3-5km W	Heard 5 undetermined explosions	HMG	16 November, 12:05-12:28
		Heard at least 5 shots	Small arms	
		Heard at least 10 shots		
	5-8km NW	Heard 8 undetermined explosions	N/K	16 November, 12:05-12:28
	2-5km NW	Heard 6 shots	Small arms	
	5-8km NW	Heard 5 undetermined explosions	N/K	
	2-5km NW	Heard 4 shots	Small arms	16 November, 13:00-13:13
	5-8km NW	Heard 2 undetermined explosions	N/K	
	10-15km NW	Heard 7 undetermined explosions		
3-5km W	Heard 2 undetermined explosions			
10-15km NW	Heard 4 undetermined explosions			
3-5km W	Heard 1 undetermined explosion	Small arms		
	Heard 1 shot	N/K	16 November, 14:35	
Heard 1 undetermined explosion				
SW edge of Yasynuvata (“DPR”-controlled, 16km NE)	10-15km NW	Heard at least 58 undetermined explosions	N/K	16 November, 10:10-10:20

of Donetsk)				
SW edge of Avdiivka (government-controlled, 17km N of Donetsk)	5-7km NW	Heard 4 explosions (outgoing)	N/K	16 November, 10:10-10:25
		Heard 8 explosions (outgoing)		
		Heard 9 explosions (outgoing)		
		Heard 25 explosions (outgoing)		
		Heard 3 bursts	HMG	16 November, 10:33-10:56
	3-5km W	Heard 40 bursts		
	5-7km NW	Heard 10 undetermined explosions	N/K	16 November, 11:08-11:25
	3-5km SE	Heard 2 undetermined explosions		
	5-7km NW	Heard 5 undetermined explosions		
	1-2km NE	Heard 1 undetermined explosion		
	2-4km ESE	Heard 2 undetermined explosions		
		Heard 5 shots	HMG	16 November, 11:30-11:53
	5-7km NW	Heard 22 undetermined explosions	N/K	16 November, 12:07
	2-4km ESE	Heard 2 undetermined explosions		
		Heard 1 undetermined explosion		
	5-7km NW	Heard 1 undetermined explosion	HMG	16 November, 12:19-12:29
2-4km W	Heard 6 bursts			
5-7km NW	Heard 2 undetermined explosions	N/K	16 November, 12:35-13:05	
3-5km SE	Heard 3 undetermined explosions			
	Heard 1 undetermined explosion			
Petrivske (“DPR”-controlled, 41km S of Donetsk)	3-10km NNW	Heard 28 undetermined explosions (assessed as outside the disengagement area)	N/K	16 November, 09:50-10:05
		Heard uncountable overlapping (assessed as outside the disengagement area)	HMG/small arms	
Dokuchaievsk (“DPR”-controlled, 30km SW of Donetsk)	3-6km WSW	Heard 6 undetermined explosions	N/K	16 November, 12:28-12:41
	2-4km WSW	Heard uncountable overlapping bursts	HMG	
	2-5km WSW	Heard 1 undetermined explosion	N/K	16 November, 13:14
Oleksandrivka (“DPR”-controlled, 20km SW of Donetsk)	1.5-2km W	Heard 4 bursts	HMG	16 November, 09:20-09:27
		Heard 3 shots		
		Heard 1 burst		
		Heard uncountable overlapping bursts		
		Heard uncountable overlapping bursts		
		Heard uncountable overlapping shots	IFV (BMP-1) cannon (73mm)	16 November, 09:38-09:39
2-7km N	Heard 4 undetermined explosions	N/K	16 November, 09:47-09:52	
2-4km N	Heard 7 undetermined explosions			
Trudivski area in Petrovskiyi district (“DPR”-controlled, 15km SW of Donetsk city centre)	1-1.5km SW	Heard 1 undetermined explosion	N/K	16 November, 14:50-14:55
	1km S	Heard 1 burst	Small arms	
Khibodariivka (government-controlled, 65km SW of Donetsk)	N/K W	Heard 14 undetermined explosions (assessed as live-fire exercises)	N/K	16 November, 09:40-09:50
	N/K N	Heard 2 undetermined explosions (assessed as live-fire exercises)		
2km SW of Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K ENE	Heard 1 shot	Small arms	16 November, 11:59
		Heard 4 bursts		16 November, 12:02
	N/K NNE	Heard 5 bursts	HMG	16 November, 14:50
1km NNW of entry-exit checkpoint in Pyshevyk (government controlled, 25km NE of Mariupol)	1-2km NE	Heard 2 undetermined explosions	N/K	16 November, 12:20

1km N of Zaichenko (“DPR” controlled, 26km NE of Mariupol)	2-3km WNW	Heard at least 40 shots	Small arms	16 November, 13:01
	N/K NW	Heard 6 bursts	HMG	16 November, 13:05
	3-4km NW	Heard 3 undetermined explosions	N/K	16 November, 13:08-13:16
	7-8km SSE	Heard 1 undetermined explosion		16 November, 13:18-13:30
	N/K SSE	Heard 10 bursts	IFV (BMP-2) cannon (30mm)	
		Heard 1 burst	HMG	
NW edge of Horlivka (“DPR”-controlled, 39km NE of Donetsk)	6-8km SW	Heard 11 undetermined explosions	N/K	16 November, 10:10
		Heard 12 undetermined explosions		16 November, 10:12
		Heard 4 undetermined explosions		16 November, 10:16
		Heard 10 undetermined explosions		16 November, 10:20
		Heard 2 undetermined explosions		16 November, 10:24
		Heard 2 undetermined explosions		16 November, 10:27
	5-7km SW	Heard 20 undetermined explosions		16 November, 10:41-10:51
		Heard 10 undetermined explosions		16 November, 11:06-11:08
		Heard 20 undetermined explosions		16 November, 11:19-11:35
Novobakhmutivka (government-controlled, 28km N of Donetsk)	15km W	Heard 10 undetermined explosions (assessed as live-fire exercises)	N/K	16 November, 11:40-11:45
		Heard 5 explosions (outgoing) (assessed as live-fire exercises)	Mortar (82mm)	16 November, 11:48
		Heard 1 burst (assessed as live-fire exercises)	HMG	
		Heard 4 undetermined explosions (assessed as live-fire exercises)	N/K	16 November, 11:49
Keramik (government-controlled, 28km NW of Donetsk)	3km NW	Heard 2 explosions (outgoing) (assessed as live-fire exercises)	Tank (N/K type)	16 November, 13:02
		Heard 2 explosions (impacts) (assessed as live-fire exercises)		16 November, 13:03
		Heard 1 undetermined explosion (assessed as live-fire exercises)	N/K	16 November, 13:05
N edge of Popasna (government-controlled, 69km W of Luhansk)	8-11km SSW	Heard 16 undetermined explosions	Artillery (type N/K)	15 November, 22:08-22:23
E edge of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	4-7km SSE	Heard 30 undetermined explosions (assessed as outside the disengagement area)	N/K	16 November, 06:23-06:45
100m N of Stanytsia Luhanska bridge (government-controlled, 16km NE of Luhansk)	3-4km SE	Heard 1 undetermined explosion (assessed as outside the disengagement area)	N/K	16 November, 09:40
Vesela Hora (“LPR”-controlled, 16km N of Luhansk)	10-12km WSW	Heard 10 undetermined explosions	Mortar (type N/K)	16 November, 12:20-13:00

Map of Donetsk and Luhansk regions²



² 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 base from which SMM staff has temporarily relocated since 27 September 2016 based on recommendations of security experts from participating States.)