

**Table of ceasefire violations as of 17 November 2017<sup>1</sup>**

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	4-6km E	Recorded 1 projectile from S to N	N/K	17 November, 16:47
		Recorded 1 projectile from S to N		17 November, 16:52
		Recorded 4 projectiles from S to N		17 November, 17:41
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1.5km S	Recorded 1 undetermined explosion	N/K	16 November, 18:31
		Recorded 2 projectiles from E to W		16 November, 18:32
		Recorded 1 undetermined explosion		16 November, 18:33
		Recorded 2 undetermined explosions		16 November, 18:34
		Recorded 1 projectile from E to W		16 November, 18:36
		Recorded 1 projectile from W to E		
		Recorded 1 undetermined explosion		16 November, 18:37
		Recorded 8 projectiles from E to W		
		Recorded 1 undetermined explosion		16 November, 18:38
		Recorded 4 projectiles from E to W		16 November, 18:40
		Recorded 1 undetermined explosion		
		Recorded 4 projectiles from E to W		16 November, 18:43
		Recorded 4 projectiles from E to W		
		Recorded 7 projectiles from E to W		16 November, 18:44
		Recorded 1 projectile from W to E		
		Recorded 1 undetermined explosion		16 November, 18:45
		Recorded 2 undetermined explosions		
		Recorded 1 undetermined explosion		16 November, 18:46
		Recorded 7 projectiles from E to W		
		Recorded 1 undetermined explosion		16 November, 18:47
		Recorded 1 undetermined explosion		16 November, 19:02
		Recorded 1 projectile from S to N		
		Recorded 1 undetermined explosion		16 November, 19:36
		Recorded 1 undetermined explosion		16 November, 19:39
		Recorded 21 projectiles from E to W		17 November, 16:06
		Recorded 2 undetermined explosions		17 November, 16:07
		Recorded 23 projectiles from E to W		
		Recorded 2 undetermined explosions		17 November, 16:09
		Recorded 22 projectiles from E to W		17 November, 16:10
		Recorded 1 undetermined explosion		17 November, 16:11
		Recorded 1 projectiles from E to W		17 November, 16:15
		Recorded 1 undetermined explosion		17 November, 17:11
		Recorded 1 undetermined explosion		17 November, 17:12
		Recorded 2 undetermined explosions		17 November, 17:13
		Recorded 1 undetermined explosion		17 November, 17:14
		Recorded 1 tracer from E to W		17 November, 17:15
		Recorded 1 undetermined explosion		17 November, 17:16
		Recorded 1 tracer from E to W		
		Recorded 2 undetermined explosions		17 November, 17:18
		Recorded 1 undetermined explosion		17 November, 17:21
Recorded 1 undetermined explosion	17 November, 17:23			
Recorded 9 tracers from E to W	17 November, 17:32			
Recorded 1 tracer from W to E				
Recorded 1 undetermined explosion	17 November, 17:33			
Recorded 1 undetermined explosion				
Recorded 1 tracer from E to W	17 November, 17:40			

<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.

		Recorded 2 undetermined explosions	17 November, 17:41
		Recorded 1 undetermined explosion	17 November, 17:43
		Recorded 1 undetermined explosion	17 November, 17:53
		Recorded 1 undetermined explosion	17 November, 18:04
		Recorded 2 undetermined explosions	17 November, 18:05
		Recorded 1 undetermined explosion	17 November, 18:08
		Recorded 1 undetermined explosion	17 November, 18:12
		Recorded 1 undetermined explosion	17 November, 18:24
SMM camera in Shyrokyne (20km E of Mariupol)	5-8km N	Recorded 1 undetermined explosion	16 November, 18:38
		Recorded 5 projectiles from E to W	16 November, 18:50
		Recorded 2 undetermined explosions	16 November, 18:59
		Recorded 3 projectiles from E to W	16 November, 19:14
		Recorded 2 undetermined explosions	16 November, 19:16
		Recorded 2 illumination flares in vertical flight	16 November, 19:51
		Recorded 1 tracer from W to E	16 November, 20:09
		Recorded 15 tracers from W to E	16 November, 20:13
		Recorded 4 tracers from E to W	16 November, 20:14
		Recorded 1 tracer from SW to NE	16 November, 20:20
		Recorded 1 undetermined explosion	16 November, 20:27
		Recorded 6 tracers from SE to NW	16 November, 20:28
		Recorded 1 projectile from W to E	16 November, 20:44
		Recorded 1 tracer from E to W	16 November, 20:56
		Recorded 10 tracers from W to E	16 November, 20:58
		Recorded 1 tracer from SW to NE	16 November, 21:49
		Recorded 1 tracer from SW to NE	16 November, 21:51
		Recorded 9 projectiles from SE to NW	16 November, 21:56
		Recorded 1 tracer from W to E	16 November, 21:57
		Recorded 1 tracer from W to E	16 November, 22:14
		Recorded 1 projectile from W to E	16 November, 22:58
		Recorded 1 undetermined explosion	16 November, 23:01
		Recorded 1 projectile from E to W	16 November, 23:27
		Recorded 3 tracers from E to W	16 November, 23:28
		Recorded 1 projectile SE to NW	16 November, 23:42
		Recorded 3 tracers from SE to NW	16 November, 23:43
		Recorded 1 tracer from SE to NW	17 November, 00:00
		Recorded 6 tracers from SE to NW	17 November, 00:07
		Recorded 1 undetermined explosion	17 November, 00:30
		Recorded 6 tracers from E to W	17 November, 00:55
		Recorded 3 tracers from E to W	17 November, 01:50
		Recorded 2 tracers from SE to NW	17 November, 01:56
		Recorded 2 tracers from SE to NW	17 November, 02:10
		Recorded 10 tracers from SE to NW	17 November, 02:12
		Recorded 3 tracers from NW to SE	17 November, 02:13
		Recorded 10 tracers from SE to NW	17 November, 02:49
		Recorded 1 tracer from SE to NW	17 November, 03:04
		Recorded 1 tracer from SE to NW	17 November, 03:21
		Recorded 6 tracers from SE to NW	17 November, 03:30
		Recorded 9 tracers from E to W	17 November, 03:34
		Recorded 1 tracer from E to W	17 November, 03:36
		Recorded 3 tracers from E to W	17 November, 03:53
		Recorded 5 tracers from E to W	17 November, 04:01
		Recorded 1 tracer from E to W	17 November, 04:08
		Recorded 8 tracers from W to E	17 November, 04:44
		Recorded 3 tracers from W to E	17 November, 16:24
		Recorded 1 tracer from E to W	17 November, 16:25
Recorded 1 projectile from W to E	17 November, 16:26		
Recorded 10 projectiles from W to E			
Recorded 1 projectile from E to W			
Recorded 3 projectiles from W to E			

		Recorded 1 airburst		17 November, 16:31	
		Recorded 1 projectile from W to E		17 November, 16:39	
		Recorded 1 projectile from W to E		17 November, 16:40	
		Recorded 1 projectile from E to W			
		Recorded 2 projectiles from W to E		17 November, 16:50	
		Recorded 1 projectile from E to W		17 November, 16:51	
		Recorded 1 undetermined explosion		17 November, 16:54	
		Recorded 1 undetermined explosion		17 November, 17:23	
		Recorded 2 undetermined explosions		17 November, 17:52	
		Recorded 1 undetermined explosion		17 November, 18:15	
		Recorded 1 undetermined explosion		17 November, 18:22	
SMM camera in Petrivske ("DPR"-controlled, 41km S of Donetsk city centre)	3km SW	Recorded 1 undetermined explosion (unable to assess whether inside or outside the disengagement area)	N/K	14 November, 16:36	
	1-2km SW	Recorded 13 tracers from W to E (unable to assess whether inside or outside the disengagement area)			
		Recorded 7 tracers from W to E (unable to assess whether inside or outside the disengagement area)			
	2-3km SW	Recorded 27 tracers from W to E (unable to assess whether inside or outside the disengagement area)		14 November, 18:25-18:26	
		Recorded 2 illumination flares in vertical flight (unable to assess whether inside or outside the disengagement area)			
	2-3km SSW	Recorded 7 tracers from W to E (unable to assess whether inside or outside the disengagement area)		14 November, 18:30	
	0.5-1km S	Recorded 1 projectile from NW to SE (unable to assess whether inside or outside the disengagement area)		14 November, 18:40	
	2-3km SSW	Recorded 10 tracers from W to E (unable to assess whether inside or outside the disengagement area)			
	0.5-1km S	Recorded 1 projectile from N to S (unable to assess whether inside or outside the disengagement area)		14 November, 19:09	
	1-2km WSW	Recorded 7 tracers from SW to NE (unable to assess whether inside or outside the disengagement area)		14 November, 19:10	
		Recorded 7 tracers from W to E (unable to assess whether inside or outside the disengagement area)			
	2-3km SSW	Recorded 21 tracers from E to W (unable to assess whether inside or outside the disengagement area)			
	1-2km S	Recorded 3 projectiles from NE to SW (unable to assess whether inside or outside the disengagement area)			
Recorded 3 tracers from NE to SW (unable to assess whether inside or outside the disengagement area)					
2-3km SW	Recorded 7 tracers from W to E (unable to assess whether inside or outside the disengagement area)	14 November, 19:15			
2.6km WNW of the railway station in Yasynuvata ("DPR"-controlled, 16km NE of Donetsk)	10-15km NW	Heard 2 undetermined explosions	N/K		17 November, 09:09-09:11
	1-3km W	Heard 8 undetermined explosions			17 November, 11:36-11:40
SW edge of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SE	Heard 2 undetermined explosions	N/K		17 November, 09:30-09:53
	1-2km E	Heard 1 explosion (outgoing)			
	4-5km SE	Heard 1 explosion (subsequent impact)			
	2-3km SE	Heard 2 undetermined explosions		17 November, 11:23	

		Heard 14 shots Heard 5 bursts	Small arms	17 November, 11:50-12:25  17 November, 12:25-13:00	
	1-2km E	Heard 1 explosion (outgoing)	N/K		
	4-5km SE	Heard 1 explosion (subsequent impact)			
	1-2km SE	Heard 36 bursts Heard 64 shots	Small arms		
	2-3km SE	Heard 17 bursts Heard 21 shots			
	1-2km SE	Heard 1 explosion (outgoing)	N/K		
	4-5km SE	Heard 1 subsequent explosion (impact)			
	2-3km SE	Heard 2 undetermined explosions			
Oleksandrivka (“DPR”-controlled, 20km SW of Donetsk)	2-4km N	Heard 2 undetermined explosions	N/K	17 November, 09:08	
Donetsk central railway station (“DPR”-controlled, 6km NW of Donetsk city centre)	4-8km NE	Heard 1 undetermined explosion	N/K	17 November, 13:28	
1km NNW of Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K NNE	Heard 10 bursts	HMG	17 November, 09:15	
	2km NE	Heard 2 explosions (outgoing)	Mortar (type N/K)	17 November, 09:30	
	N/K E	Heard 2 subsequent explosions (impacts)			
	N/K NNE	Heard 1 burst	Small arms	17 November, 09:35	
	2km NE	Heard 2 explosions (outgoing) Heard 1 explosion (outgoing)	Mortar (type N/K)	17 November, 09:38	
				17 November, 09:40	
	N/K E	Heard 1 subsequent explosion (impact)	N/K	17 November, 10:10	
	N/K NNE	Heard 1 undetermined explosions		17 November, 13:34	
N/K NE	Heard 1 undetermined explosion				
2km SW of Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K SE	Heard 2 undetermined explosions	N/K	17 November, 09:59	
		Heard 1 shot Heard 3 shots	Small arms		
		Heard 1 burst Heard 2 bursts	Small arms HMG	17 November, 10:03-10:08	
		Heard 3 undetermined explosions Heard 10 shots	N/K Small arms		
		Heard 2 undetermined explosions	N/K	17 November, 10:15-10:17	
		N/K ESE		Heard 1 undetermined explosion Heard 1 undetermined explosion	
		N/K SE	Heard 1 burst Heard 1 shot Heard 12 bursts	HMG Small arms HMG	17 November, 10:34 17 November, 10:38 17 November, 11:09-11:15
	N/K E		Heard 1 undetermined explosion Heard 2 bursts Heard 3 bursts	N/K Small arms HMG	17 November, 10:02
			1km NE	Heard 1 explosion (outgoing)	
		Chermalyk (government-controlled, 31km NE of Mariupol)	2-3km ESE	Heard 17 shots Heard 3 bursts	
	1-2km ESE		Heard 3 undetermined explosion	N/K	17 November, 10:48-11:00
	2km SE		Heard 22 shots	Small arms	
1-2km ESE	Heard 3 bursts	17 November, 11:03			
Zoria (government-controlled, 22km NE of Mariupol)	N/K S	Heard 5 undetermined explosions	N/K	17 November, 11:53-12:00	
2km SE of Lebedynske (government-controlled, 15km NE of Mariupol)	3-4km NE	Heard 12 shots Heard 1 burst Heard 8 shots Heard 3 burst	Small arms	17 November, 12:45-12:47	
		Heard 25 shots		17 November, 13:10	
				17 November, 13:21-13:48	
		N/K NNE		Heard 1 undetermined explosion	N/K
	N/K NE	Heard 1 undetermined explosion		17 November, 13:29	

2.5km SSE of Lomakyne (government-controlled, 15km NE of Mariupol)	N/K SE	Heard 3 undetermined explosion	N/K	17 November, 13:55
Horlivka (“DPR”-controlled, 39km NE of Donetsk)	7-10km SW	Heard 1 undetermined explosion	N/K	16 November, 18:25
	3-5km SW	Heard 4 bursts (3-5 shots per burst)	Small arms	16 November, 18:35
	7-10km SW	Heard 4 undetermined explosion	N/K	16 November, 19:05
		Heard 1 undetermined explosion		16 November, 19:18
	3-5km SW	Heard 5 burst (3-5 shots per burst)	Small arms	16 November, 19:45
7-10km SW	Heard 1 undetermined explosion	N/K	16 November, 20:00	
	Heard 4 undetermined explosion		16 November, 20:27	
NW edge of Horlivka (“DPR”-controlled, 39km NE of Donetsk)	6-8km SW	Heard 9 undetermined explosions	N/K	17 November, 11:29-11:31
		Heard 3 undetermined explosions		17 November, 11:30
		Heard 1 undetermined explosion		17 November, 11:44
Midna Ruda (government-controlled, 69km NE of Donetsk).	5-8km NNW	Heard 1 explosion (outgoing)	N/K	17 November 11:30
Svitlodarsk (government-controlled, 57km north-east of Donetsk)	6-8km E	Heard 5 undetermined explosions	N/K	16 November, 21:20-21:25
		Heard 1 undetermined explosion		16 November, 22:32
		Heard 1 undetermined explosion		16 November, 22:46
	10km ENE	Heard 6 undetermined explosions		16 November, 23:43
SE outskirts of Holubivske (“LPR”-controlled, 51km W of Luhansk)	10-15km NE	Heard 29 undetermined explosions	N/K	17 November, 09:18-09:35
		Heard 11 bursts	HMG	
		Heard 17 shots	Small arms	
Holubivske (“LPR”-controlled, 51km W of Luhansk)	10-15km NE	Heard 13 undetermined explosions	N/K	17 November, 11:27-11:37
	10-15km W	Heard 3 undetermined explosions	N/K	17 November, 12:47-12:48
	6-10km NNW	Heard 3 undetermined explosions	N/K	17 November, 13:21-13:29
Shymshynivka (“LPR”-controlled, 27km SW of Luhansk)	20-25km N	Heard 8 undetermined explosions	N/K	17 November, 09:25-09:35
3km N of Pervomaisk (“LPR”-controlled, 58km W of Luhansk)	5-8km W	Heard 2 undetermined explosions (assessed as outside the disengagement area)	N/K	17 November, 11:30
4km NW of Almazna (“LPR”-controlled, 55km W of Luhansk)	12-15km NW	Heard 1 undetermined explosion	N/K	17 November, 11:32
NE edge of Kruta Hora (“LPR”-controlled, 16km NW of Luhansk)	3km W	Heard 1 shot	Small arms	17 November, 12:04
NW edge of Orikhove (government-controlled, 57km NW of Luhansk)	3-4km SW	Heard 1 undetermined explosion	N/K	17 November, 12:44
	6-7km SW	Heard 2 undetermined explosions	N/K	17 November, 12:44
	5km S	Heard 3 undetermined explosions	Recoilless gun (SPG-9) or rocket-propelled grenade (RPG)	17 November, 14:07-14:17
N edge of Popasna (government-controlled, 69km W of Luhansk)	2-3km S	Heard 2 explosions (outgoing)	N/K	17 November, 12:44
NE edge of Kalynove-Borshchuvate (“LPR”-controlled, 61km W of Luhansk)	3km W	Heard 1 explosion (outgoing)	N/K	17 November, 12:45

