

**Table of ceasefire violations as of 29 November 2016<sup>1</sup>**

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
Horlivka (“DPR”-controlled, 39km NE of Donetsk city centre)	4-6km WNW	Heard 3 explosions (impacts)	N/K	28 November, 18:05
		Heard 5 bursts	HMG	28 November, 18:15
		Heard 2 explosions (impacts)	N/K	28 November, 19:10
		Heard 10 bursts	HMG	28 November, 19:25-19:35
		Heard 2 bursts		28 November, 20:35
		Heard 3 bursts		28 November, 21:02
		Heard 3 explosions (impacts)	N/K	28 November, 21:08-21:09
		Heard 5 bursts	HMG	28 November, 21:10
		Heard 3 bursts		28 November, 21:17
		Heard 2 explosions (impacts)	N/K	28 November, 21:25
Heard 15 bursts	HMG	28 November, 22:30-22:35		
Park Inn Hotel (“DPR”-controlled, Donetsk city centre)	7-10km NE	Heard 2 undetermined explosions	N/K	28 November, 19:22
		Heard 13 undetermined explosions		28 November, 19:26-19:30
		Heard 2 undetermined explosions		28 November, 19:43-19:44
		Heard 1 undetermined explosion		28 November, 19:51
		Heard 1 undetermined explosion		28 November, 20:13
		Heard 10 undetermined explosions		28 November, 20:21-20:27
		Heard 1 undetermined explosion		28 November, 22:17
		Heard 5 undetermined explosions		28 November, 23:36-23:40
		Heard 1 undetermined explosion		29 November, 03:00
		Heard 1 undetermined explosion		29 November, 03:01
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	4-6km ESE	Recorded 1 tracer round in flight from NW to SE	N/K	28 November, 19:24
		Recorded 1 tracer round in flight from NW to SE		28 November, 20:02
	4-6km SE	Recorded 1 explosion (impact)		28 November, 21:00
		Recorded 1 indirect rocket-assisted projectile in flight from SW to NE		28 November, 21:03
		Recorded 1 indirect rocket-assisted projectile in flight from SW to NE		28 November, 21:05
		Recorded 3 indirect rocket-assisted projectiles in flight from SW to NE		28 November, 21:10
		Recorded 2 indirect rocket-assisted projectiles in flight from SW to NE		28 November, 21:12
		Recorded 1 indirect rocket-assisted projectile in flight from SW to NE		28 November, 21:13
	4-5km SE	Recorded 1 explosion (impact)		28 November, 21:19
	4-6km SE	Recorded 9 indirect rocket-assisted projectiles in flight from SW to NE		28 November, 21:36-21:41
		Recorded 1 indirect rocket-assisted projectile in flight from SW to NE		28 November, 21:47
		Recorded 1 indirect rocket-assisted projectile in flight from SW to NE		28 November, 21:49
		Recorded 1 indirect rocket-assisted projectile in flight from SW to NE		28 November, 23:13
		Recorded 1 indirect rocket-assisted		28 November, 23:52

<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.

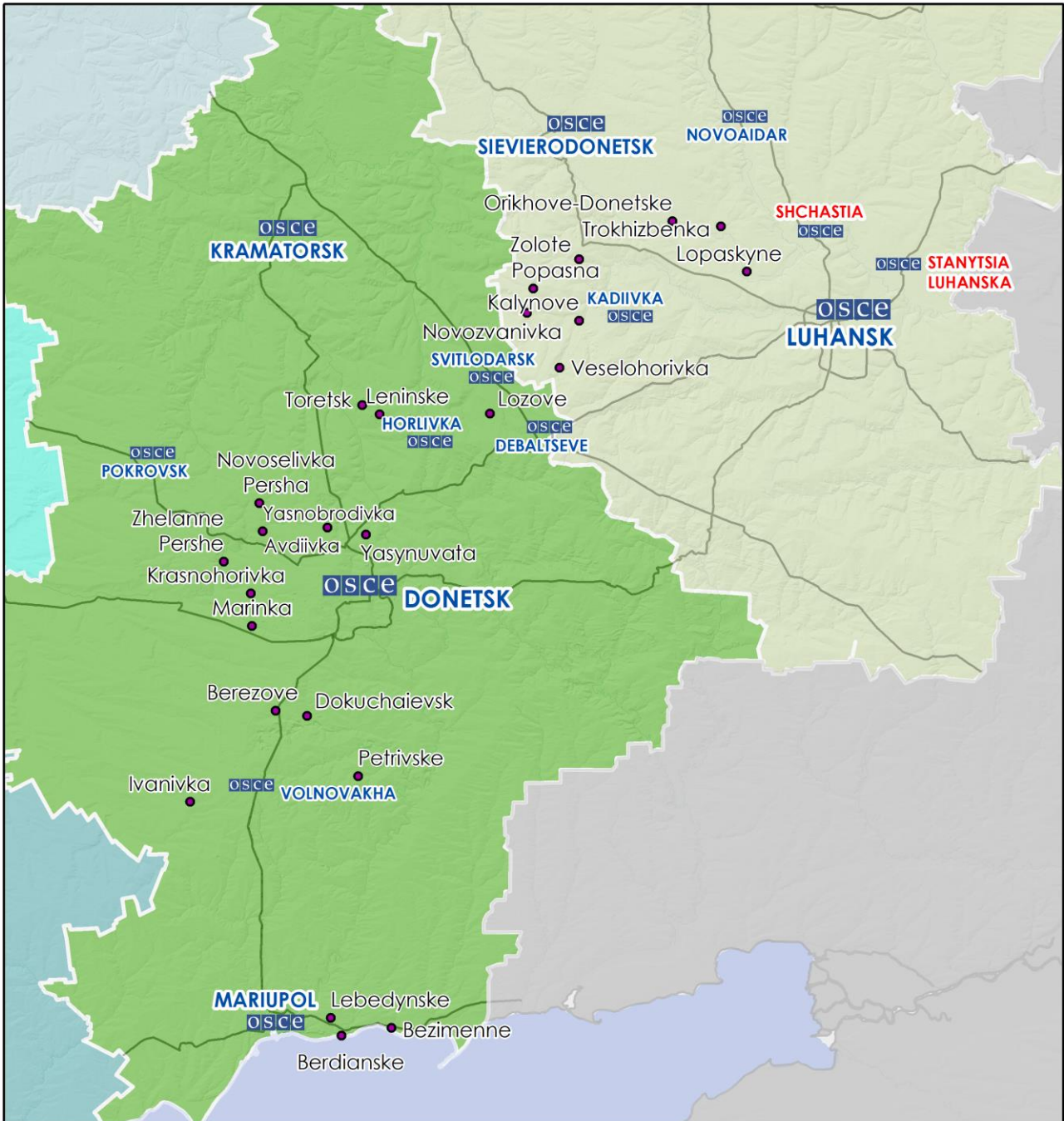
		projectile in flight from N to SSE		
	4-6km ESE	Recorded 3 tracer rounds in flight from SW to NE		29 November, 01:19
		Recorded 1 tracer round in flight from N to S (recorded also by Oktiabr mine camera)		29 November, 02:47
		Recorded 1 tracer round in flight from W to E		29 November, 02:51
	4-6km SE	Recorded 1 tracer round in flight from N to S		29 November, 03:04
		Recorded 1 tracer round in flight from NW to SE (was recorded also by Oktiabr mine camera)		29 November, 03:05
		Recorded 1 tracer round in flight from N to S		29 November, 03:15
	3-4km ESE	Recorded 1 illumination flare		29 November, 03:48
	4-6km ESE	Recorded 1 tracer round in flight from N to S		29 November, 06:05
		Recorded 2 undetermined projectiles in flight from S to N	N/K	29 November, 16:19
		Recorded 1 undetermined projectile in flight from SW to NE		29 November, 16:25
		Recorded 1 undetermined projectile in flight from NE to SW		29 November, 16:27
		Recorded 15 undetermined projectiles in flight from SW to NE		29 November, 16:27
		Recorded 2 undetermined explosions		29 November, 16:31
		Recorded 1 airburst		29 November, 16:31
	4-6km SE	Recorded 1 illumination flare		
	4-6km ESE	Recorded 1 undetermined explosion		29 November, 17:10
		Recorded 15 undetermined projectiles in flight from SW to NE		29 November, 17:35
		Recorded 4 undetermined projectiles in flight from SW to NE		29 November, 17:38
		Recorded 5 undetermined projectiles in flight from SW to NE		29 November, 17:39
		Recorded 3 undetermined projectiles in flight from SW to NE		29 November, 17:41
		Recorded 1 undetermined projectile in flight from NE to SW		29 November, 17:41
	4-6km SE	Recorded 1 undetermined explosion	N/K	29 November, 17:41
		Recorded 7 undetermined projectiles in flight from SW to NE		29 November, 17:43
		Recorded 2 undetermined projectiles in flight from SW to NE		29 November, 17:47
		Recorded 1 undetermined projectiles in flight from SW to NE		29 November, 17:48
		Recorded 1 undetermined explosion		29 November, 17:48
		Recorded 2 undetermined projectiles in flight from SW to NE		29 November, 17:50
		Recorded 5 undetermined projectiles in flight from NE to SW		29 November, 17:50
		Recorded 3 undetermined projectiles in flight from SW to NE		29 November, 17:56
		Recorded 2 undetermined explosions		29 November, 18:00
		Recorded 2 undetermined projectiles in flight from NE to SW		29 November, 18:15
SMM camera in Shyrokyne (20km E of Mariupol)	N/K NNE	Recorded 1 burst of tracer rounds (4 shots) in flight from ESE to WNW	Small arms	28 November, 21:04
		Recorded 1 burst of tracer rounds (4 shots) in flight from ESE to WNW		28 November, 21:09
		Recorded 1 burst of tracer rounds (6 shots) in flight from WNW to ESE		28 November, 21:57
	N/K N	Recorded 2 explosions (impacts)	N/K	29 November, 13:36

SMM camera at Okhtiabr mine” (9km NW of Donetsk city centre)	N/K NE	Recorded 1 undetermined explosion		29 November, 16:23	
	3-5km NE	Recorded 1 airburst	N/K	28 November, 21:09	
		Recorded 5 airbursts		28 November, 21:50	
		Recorded 6 airbursts		28 November, 21:54	
		Recorded 5 airbursts		28 November, 21:59	
		Recorded 1 illumination flare		28 November, 22:11	
6-8km NE	Recorded 1 tracer round in flight from N to S			29 November, 06:07	
Yasynuvata (“DPR”- controlled, 16km NE of Donetsk)	2-4km NW	Heard 5 undetermined explosions	N/K	29 November, 09:13	
	2-3km NW	Heard 4 bursts	Small arms	29 November, 09:15	
	2-4km W	Heard 2 undetermined explosions	N/K	29 November, 09:17	
		Heard 2 undetermined explosions		29 November, 09:20	
		Heard 4 bursts	HMG	29 November, 09:22	
	2-4km NW	Heard 5 undetermined explosions	N/K	29 November, 09:28	
	2-4km W	Heard 2 undetermined explosions		29 November, 09:37	
	2-3km W	Heard 32 undetermined explosions			29 November, 09:44- 09:55
		Heard 15 bursts	HMG	29 November, 09:55	
		Heard 12 undetermined explosions	N/K	29 November, 10:05	
	2-3km NW	Heard 8 single shots	Small arms	29 November, 10:09	
	5-7km W	Heard 13 undetermined explosions	N/K	29 November, 10:13	
		Heard 4 bursts	HMG		
	3-4km WSW	Heard 9 undetermined explosions	N/K	29 November, 10:18- 10:21	
	3-4km W	Heard 31 undetermined explosions		29 November, 10:22- 10:25	
	2-5km W	Heard 4 undetermined explosions		29 November, 10:31	
	5-7km W	Heard 2 undetermined explosions		29 November, 10:35	
	2-5km W	Heard 15 undetermined explosions		29 November, 10:36- 10:40	
	2-7km W	Heard 23 undetermined explosions		29 November, 10:42- 10:50	
	3-5km W	Heard 3 bursts		HMG	29 November, 10:44
		Heard 9 undetermined explosions		N/K	29 November, 10:52
	5-7km W	Heard 1 undetermined explosion			29 November, 10:56
	2-7km W	Heard 11 undetermined explosions			29 November, 11:03- 11:07
	3-5km SW	Heard 2 bursts	HMG	29 November, 11:19	
	2-3km N	Heard 5 undetermined explosions	N/K	29 November, 11:31	
	2-3km NW	Heard 2 undetermined explosions		29 November, 11:53	
	5-7km W	Heard 8 undetermined explosions		29 November, 12:36	
	2-3km W	Heard 3 undetermined explosions		29 November, 12:39	
	1-2km W	Heard 4 bursts	Small arms	29 November, 12:40	
		Heard 18 single shots		29 November, 12:42	
	2-3km W	Heard 5 undetermined explosions	N/K	29 November, 12:45- 12:57	
	5-7km W	Heard 22 undetermined explosions		29 November, 12:58	
	2-3km NW	Heard 2 undetermined explosions			
2-3km SW	Heard 2 undetermined explosions				
2-3km W	Heard 8 single shots	Small arms	29 November, 13:00		
2-3km NNW	Heard 2 undetermined explosions	N/K			
5-7km W	Heard 6 undetermined explosions		29 November, 13:01		
3-5km N	Heard 2 undetermined explosions		29 November, 13:04		
3-5km NW	Heard 8 bursts	HMG	29 November, 13:07		
	Heard 2 undetermined explosions	N/K			
2-3km W	Heard 7 undetermined explosions	HMG	29 November, 13:09- 13:16		
	Heard 8 bursts				
	Heard 5 bursts				
	Heard 23 single shots	Small arms	29 November, 13:17		
	Heard 2 bursts				
	Heard 14 single shots				
Heard 2 bursts	HMG	29 November, 13:20			
3-5km NW	Heard 3 undetermined explosions	N/K	29 November, 13:22		

	1-2km W	Heard 11 single shots	Small arms	29 November, 13:25
		Heard 15 single shots		HMG
		Heard 3 bursts	Small arms	
		Heard 6 single shots		HMG
		Heard 10 single shots	Small arms	
		Heard 10 bursts		HMG
	3-5km W	Heard 6 single shots	Small arms	
		Heard 4 bursts (20-30 shots)	HMG	
	2-3km W	Heard 3 undetermined explosions	N/K	29 November, 13:44
		Heard 3 single shots	Small arms	
		Heard 2 bursts (20-30 shots)	HMG	
	5-7km NW	Heard 2 undetermined explosions	N/K	29 November, 13:50
	2-3km W	Heard 5 bursts (20-30 shots)	HMG	29 November, 13:52
	3-5km W	Heard 3 undetermined explosions	N/K	29 November, 13:55
	2-3km W	Heard 25 single shots	Small arms	29 November, 14:00
		Heard 2 bursts (20-30 shots)	HMG	
	5-7km N	Heard 2 undetermined explosions	N/K	29 November, 14:05
3-5km NW	Heard 23 single shots	Small arms	29 November, 14:10	
1-2km NW	Heard 12 single shots		29 November, 14:15	
2-3km N	Heard 1 undetermined explosion		N/K	29 November, 14:17
2-3km W	Heard 5 undetermined explosions	29 November, 14:26		
	Heard 3 undetermined explosions			
Kyivskiy district ("DPR"-controlled, 5km N of Donetsk city centre)	4-6km WNW	Heard 7 undetermined explosions	N/K	29 November, 09:40- 09:47
	4-6km NW	Heard 7 undetermined explosions		
4.5km E of Zhelanne Druhe (government- controlled, 29km NW of Donetsk)	3-4km N	Heard 7 undetermined explosions	N/K	29 November, 10:05- 10:08
Avdiivka (government- controlled, 17km N of Donetsk)	3-4km S	Heard 5 undetermined explosions	N/K	29 November, 10:05
		Heard 4 undetermined explosions		29 November, 10:17
		Heard 3 undetermined explosions		29 November, 10:20- 10:25
		Heard 1 undetermined explosion		29 November, 10:29
		Heard 4 undetermined explosions		29 November, 10:33- 10:35
	4km SE	Heard 1 explosion (outgoing)	Mortar (120mm)	29 November, 10:45
	3-4km S	Heard 1 undetermined explosion	N/K	29 November, 11:11
	3-4km SE	Heard 1 undetermined explosion		29 November, 11:26
2-3km ESE	Heard 2 undetermined explosions	29 November, 12:12		
3-4km S	Heard 1 undetermined explosion		29 November, 12:27	
Krasnohorivka (government- controlled, 21km W of Donetsk)	3-4km N	Heard 4 undetermined explosions	N/K	29 November, 10:28- 10:30
		Heard 4 bursts	HMG	29 November, 10:30- 10:35
		Heard 5 undetermined explosions	N/K	29 November, 10:32- 10:45
		Heard 10 bursts	HMG	29 November, 10:34- 10:40
	2-3km E	Heard 5 undetermined explosions	N/K	
	2-3km E	Heard 22 bursts	HMG	29 November, 10:37- 10:40
		1-2km E	Heard 1 undetermined explosion	
	3-4km E	Heard 5 single shots	Small arms	29 November, 10:48- 11:15
		Heard 18 undetermined explosions	N/K	
		Heard 17 bursts	HMG	
2-3km E	Heard 16 bursts	Small arms	29 November, 11:01- 11:05	
	Heard 10 bursts			
Heard 10 single shots				
	Yasnobrodivka (government- controlled, 25km NW of Donetsk)	0.1km W (inside the security zone)	Heard and saw 7 bursts (assessed as live fire exercise)	HMG
		Heard and saw 1 explosion (outgoing) (assessed as live-fire exercise)	Recoilless gun (SPG- 9, 73mm)	
Bezimenne ("DPR"- controlled, 30km E of	N/K WNW	Heard 11 undetermined explosions	N/K	29 November, 12:14- 12:25

Mariupol	4-5km NW	Heard 11 undetermined explosions	Small arms	29 November, 12:35-12:55
	3-4km NW	Heard 2 bursts Heard at least 25 single shots		
1km E of Berdianske (government-controlled, 18km E of Mariupol)	N/K N	Heard 12 explosions (outgoing) and 12 subsequent impacts	N/K	29 November, 12:30-12:40
	N/K NE			
2.3km NW of Lebedynske (government-controlled, 16km NE of Mariupol)	N/K NE	Heard 4 undetermined explosions	N/K	29 November, 12:55-13:15
	N/K N	Heard 5 undetermined explosions		
		Heard 3 single shots	Small arms	
		Heard 16 bursts	HMG	
	3-5km E and NE (exchange of fire between the two areas)	Heard continuous bursts and single shots between E and NE	Small arms	
Heard at least 60 explosions between E and NE (outgoing and impacts)		Artillery, mortar, cannon and anti-aircraft-gun (all N/K calibre), and HMG		
Petrivske ("DPR"-controlled, 41km S of Donetsk)	8-10km W	Heard 1 undetermined explosion	N/K	29 November, 13:53
		Heard 3 undetermined explosions		29 November, 14:01
		Heard 2 undetermined explosions		29 November, 14:06
		Heard 4 undetermined explosions		29 November, 14:12
SMM camera at the Stanytsia Luhanska (16km NE of Luhansk) bridge	N/K S	Recorded 2 projectiles in flight from NW to SE (inside the disengagement area)	N/K	27 November, 23:53
Trokhizbenka (government-controlled, 32km NW of Luhansk)	5km S	Heard 2 undetermined explosions	Mortar (120mm)	29 November, 09:30
	3km SW	Heard 6 shots	AGL (AGS-17)	29 November, 09:45
2km N of Teplychne ("LPR"-controlled, 8km W of Luhansk)	10-15km SW	Heard 7 undetermined explosions (Assessed as live-fire exercise outside the security zone)	N/K	29 November, 09:50-09:59
Kalynove ("LPR"-controlled, 60km W of Luhansk)	3km W	Heard 2 explosions (impacts)	Artillery (N/K calibre)	29 November, 09:52
1km NE of Sentianivka (formerly Frunze, "LPR"-controlled, 44km W of Luhansk)	5km W	Heard 1 undetermined explosion	N/K	29 November, 10:00
Lobacheve (government-controlled, 20km NW of Luhansk)	4-5km S	Heard 3 undetermined explosions	N/K	29 November, 10:30
Orikhove-Donetske (government-controlled, 44km NW of Luhansk)	1.5-2km S	Heard 15 shots	AGL (AGS-17)	29 November, 10:30-10:35
		Heard 3 explosions (impacts)	Mortar (120mm)	
VeseloHorivka ("LPR"-controlled, 64km W of Luhansk)	3km N	Heard 1 explosion (impact)	Artillery (N/K calibre)	29 November, 10:58
Slovianoserbsk ("LPR"-controlled, 28km NW of Luhansk)	5km N	Heard 1 undetermined explosion	N/K	29 November, 11:22
Pervomaisk ("LPR"-controlled, 58km W of Luhansk)	5km SW	Heard 2 undetermined explosions	N/K	29 November, 11:26
3km NE of Lopaskyne (government-controlled, 23km NW of Luhansk)	3-4km SW	Heard 8 undetermined explosions	Mortar (120mm)	29 November, 11:35
		Heard 18 single shots	IFV (BTR) cannon	
Sokilnyky ("LPR"-controlled, 38km NW of Luhansk)	3km WNW	Heard 1 burst	HMG	29 November, 12:40

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



<sup>2</sup> The SMM is actively 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 since 27 September based on recommendations of security experts from participating States).