

**Table of ceasefire violations as of 18 November 2016<sup>1</sup>**

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
Park Inn Hotel (“DPR”-controlled, Donetsk)	9-15km NW	Heard 2 undetermined explosions	N/K	17 November, 18:40
		Heard 17 undetermined explosions		17 November, 20:58-21:14
		Heard 8 undetermined explosions		17 November, 21:21-21:34
		Heard 12 undetermined explosions		17 November, 21:50-22:22
		Heard 5 undetermined explosions		17 November, 22:41-22:58
		Heard 2 undetermined explosions		17 November, 23:00-23:02
		Heard 1 undetermined explosion		17 November, 23:53
		Heard 1 undetermined explosion		18 November, 02:55
		Heard 2 undetermined explosions		18 November, 06:06
	5-8km N	Heard 2 undetermined explosions		18 November, 18:35
	5-8km W	Heard 2 undetermined explosions		18 November, 18:38
	5-8km NW	Heard 1 undetermined explosion		18 November, 18:41
	5-8km W	Heard 6 undetermined explosions		18 November, 18:46-18:56
5-8km NW	Heard 2 undetermined explosions	18 November, 18:58		
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-4km ESE	Recorded 1 undermined explosion	N/K	18 November, 16:48
	4-5km ESE	Recorded 10 undetermined projectiles from E to W		18 November, 17:17
SMM camera at Oktiabr mine” (9km NW of Donetsk city centre)	2-3km NNE	Recorded 2 undetermined projectiles from S to W	N/K	18 November, 16:03
		Recorded 1 undermined projectile from N to S		18 November, 16:07
Debaltseve (“DPR”-controlled, 58km NE of Donetsk)	5-12km N	Heard 3 undetermined explosions	N/K	17 November, 19:15-19:30
		Heard 38 undetermined explosions		17 November, 19:52-21:10
		Heard 39 undetermined explosions		17 November, 22:25-23:00
		Heard 10 undetermined explosions		17 November, 23:01-23:16
		Heard 3 undetermined explosions		18 November, 05:35
		Heard 13 undetermined explosions		18 November, 06:35
3km NE of Debaltseve (“DPR”-controlled, 58km NE of Donetsk)	1-2km NW	Heard 2 explosions (outgoing)	N/K	18 November, 12:25
	8-12km NW	Heard 1 explosion (impact)		
W edge of Olkhovatka (“DPR”-controlled, 52km NE)	10-15km W	Heard 9 undetermined explosions	N/K	18 November, 09:36-09:55

<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.

of Donetsk)					
Yasynuvata (“DPR”-controlled, 16km NE of Donetsk)	3-5km W	Heard 8 undetermined explosions	N/K	18 November, 08:55-09:01	
		Heard uncountable overlapping bursts and shots	Small arms		
	2-3km W	Heard 15 shots		18 November, 09:14	
		Heard 6 shots		18 November, 09:19	
	3-5km W	Heard 31 undetermined explosions	N/K	18 November, 09:38-10:21	
	5-7km N	Heard 2 undetermined explosions		18 November, 10:24	
		Heard 1 undetermined explosion		18 November, 10:30	
	3-5km W	Heard 1 undetermined explosion		18 November, 10:38	
		Heard 1 undetermined explosion		18 November, 10:53	
	2-3km W	Heard 1 undetermined explosion		18 November, 11:35	
		Heard 6 shots		Small arms	18 November, 12:20
		Heard 1 undetermined explosion		N/K	18 November, 12:22
	2-3km N	Heard 4 bursts (3 shots each)		Small arms	18 November, 12:48
		Heard 25 bursts (2-3 shots each)			
		Heard 3 bursts		18 November, 13:11	
	1-2km NW	Heard 8 shots		18 November, 13:13	
	2-3km NW	Heard 1 undetermined explosion	N/K	18 November, 13:14	
	3-5km W	Heard 3 undetermined explosions		18 November, 13:20-13:25	
	3-5km SW	Heard 2 undetermined explosions		18 November, 13:31	
	3-5km W	Heard 5 undetermined explosions		18 November, 14:00-14:10	
Heard 4 undetermined explosions		18 November, 14:29-14:30			
2-3km W	Heard 3 bursts	Small arms			
Petrivske (“DPR”-controlled, 41km S of Donetsk)	5-6km NNW	Heard 1 undetermined explosion	N/K	18 November, 10:00	
	3-4km NW	Heard 30 bursts	Heavy machine-gun	18 November, 13:30-13:40	
Donetsk central railway station (“DPR”-controlled, 6km NW of Donetsk city centre)	4-5km NW	Heard 1 undetermined explosion	N/K	18 November, 12:38	
	5-7km WNW	Heard 1 undetermined explosion		18 November, 12:58	
	3km WNW	Heard 1 undetermined explosion		18 November, 13:02	
	4-6km W	Heard 4 undetermined explosions		18 November, 13:04-13:06	
	4km NE	Heard 4 shots	Small arms		
	4-6km W	Heard 4 undetermined explosions	N/K	18 November, 13:07-13:12	
		Heard 1 undetermined explosion		18 November, 13:18	
	8-10km WNW	Heard 2 undetermined explosions		18 November, 13:20-13:21	
	6-8km W	Heard 2 undetermined explosions		18 November, 13:22	
	6-8km WNW	Heard 2 undetermined explosions		18 November, 13:26	
	4km NE	Heard 2 shots	Small arms	18 November, 13:28	
	7-8km N	Heard 1 undetermined explosion	N/K	18 November, 13:32	
	8km NE	Heard 2 undetermined explosions		18 November, 13:41	
	5-6km NNE	Heard 1 undetermined explosion		18 November, 13:44	
	4-5km N	Heard 1 undetermined explosion		18 November, 13:58	
	6-9km NNE	Heard 3 undetermined explosions		18 November, 14:06	
Heard 2 undetermined explosions		18 November, 14:11			

	4-6km NE	Heard 23 undetermined explosions		18 November, 14:28-14:31
		Heard uncountable overlapping bursts and shots	Heavy machine-gun and small arms	
SMM camera in Shyrokyne (20km E of Mariupol)	N/K NE	Recorded 1 rocket assisted projectile from W to E	N/K	17 November, 19:14
	4km ENE	Recorded 19 explosions (impacts)	Artillery (N/K calibre)	18 November, 15:15-15:20
		Recorded 10 explosions (impacts)		18 November, 15:48-15:49
	1-2km ENE	Recorded 3 indirect rocket assisted projectiles in flight from S to N	Grad-P or MLRS	18 November, 16:18
		Recorded 3 indirect rocket assisted projectiles in flight from S to N		18 November, 16:26
		Recorded 3 indirect rocket assisted projectiles in flight from S to N		18 November, 16:32
	N/K N	Recorded 5 indirect rocket assisted projectiles in flight from W to E		18 November, 17:05 – 17:09
Mariupol (government-controlled, 102km S of Donetsk)	N/K ENE	Heard 5 undetermined explosions	N/K	17 November, 18:57
		Heard 8 undetermined explosions		17 November, 19:06-19:12
	N/K NE	Heard 6 undetermined explosions		17 November, 23:00-23:16
	N/K SE	Heard 2 undetermined explosions		17 November, 23:27
	10-12km E	Heard 6 undetermined explosions		17 November, 22:50-23:27
	8-12km E	Heard 12 undetermined explosions		18 November, 00:24-01:07
	N/K E	Heard 12 undetermined explosions		18 November, 17:20-17:28
3km N of Hnutove (government-controlled, 20km NE of Mariupol)	N/K S	Heard 10 undetermined explosions	N/K	18 November, 08:36-08:55
	N/K SW	Heard 8 undetermined explosions		
	N/K SE	Heard 1 undetermined explosion		
	N/K SSE	Heard 12 undetermined explosions		
	N/K ENE	Heard 1 undetermined explosion		
	N/K ESE	Heard 1 burst	Small arms	
	N/K SE	Heard 3 bursts (15 shots)		
	N/K SSE	Heard 5 undetermined explosions	N/K	18 November, 09:55-10:03
	8-10km SSE	Heard 6 undetermined explosions		18 November, 10:12-10:38
	N/K SSE	Heard 1 undetermined explosion		Small arms
		Heard uncountable overlapping bursts		
		Heard uncountable overlapping “small” undetermined explosions	N/K	
	N/K SE	Heard 4 undetermined explosions		
	4-6km SE	Saw 2 explosions (impacts)		
	4-5km NNE	Heard 3 undetermined explosions	Small arms	18 November, 11:17
N/K E	Heard 6 shots	18 November, 14:32-14:33		
6km ESE	Heard 8 shots			
2km NW of Sartana (government-controlled, 15km NE of Mariupol)	N/K SE	Heard 2 bursts (5-7 shots each)	N/K	18 November, 10:30
1km N of Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K SSE	Heard 6 shots	Small arms	18 November, 11:30-12:00
		Heard 2 undetermined explosions	N/K	
2km N of Sopyne,	N/K ENE	Heard 2 undetermined explosions	N/K	18 November, 11:40-

(government-controlled, 16km E of Mariupol)	N/K NNE	Heard 7 undetermined explosions		12:10
Bezimenne (“DPR”-controlled, 30km E of Mariupol)	N/K NW	Heard 27 undetermined explosions	N/K	18 November, 12:02-12:17
		Heard 18 undetermined explosions		18 November, 12:25 – 12:34
Horlivka (“DPR”-controlled, 39km NE of Donetsk)	7-10km W	Heard 15 undetermined explosions	N/K	17 November, 19:10-19:12
		Heard 3 bursts (3-4 shots each)	Heavy machine-gun	
		Heard 18 undetermined explosions	N/K	17 November, 19:16-19:23
		Heard 2 shots	Small arms	
		Heard 9 undetermined explosions	N/K	17 November, 19:28-19:31
	10-12km NW	Heard 2 undetermined explosions		17 November, 19:33
	7-10km W	Heard 11 undetermined explosions		17 November, 19:34
		Heard 1 burst (2-3 shots)	Small arms	
	7-10km W	Heard 4 undetermined explosions	N/K	17 November, 19:36-19:39
	10-12km NW	Heard 2 undetermined explosions		17 November, 19:42
	7-10km W	Heard 2 undetermined explosions		17 November, 19:43
	10-12km NW	Heard 1 undetermined explosion		
	7-10km W	Heard 3 undetermined explosions	N/K	17 November, 19:44
	7-8km NW	Heard 1 burst (3-4 shots)	Heavy machine-gun	17 November, 19:46
	7-10km W	Heard 3 undetermined explosions	N/K	17 November, 19:47
	7-8km NNW	Heard 2 bursts (3-4 shots each)	Small arms	17 November, 19:50
10-12km WSW	Heard 4 undetermined explosions	N/K	17 November, 19:52	
7-10km W	Heard 3 undetermined explosions		17 November, 19:56-19:58	
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km SE	Heard 1 explosion (impact)	Mortar (82mm)	17 November, 19:07
		Heard 2 bursts	Small arms	17 November, 19:08
		Heard 3 undetermined explosions	N/K	17 November, 19:14
		Heard 2 undetermined explosions		17 November, 19:25
		Heard 5 bursts	Heavy machine-gun	17 November, 19:27
		Heard 2 explosions (outgoing)	N/K	17 November, 19:32
		Heard 2 explosions (impacts)		17 November, 19:35
		Heard 5 undetermined explosions		17 November, 19:52
		Heard 10 bursts	Heavy machine-gun	17 November, 20:15
		Heard 3 undetermined explosion	N/K	
		Heard 2 explosions (impacts)		17 November, 20:20
	Heard 3 bursts	Heavy machine-gun	17 November, 22:20	
	4-5km SW	Heard 5 bursts		17 November, 21:45
	8-10km NE	Heard 25 explosions (impacts)	Mortar (120mm)	17 November, 21:45-22:00
	3-4km ESE	Heard 40 explosions (outgoing)	Mortar (82mm)	18 November, 06:30-07:00
		Heard 25 explosions (impacts)		
3-4km SE	Heard 15 bursts (3-5 shots each)	Heavy machine-gun	18 November, 13:40-13:45	
Zhovanka (government-controlled, 47km NE of Donetsk)	1km SE	Heard 3 shots	Small arms	18 November, 11:25
		Heard 1 burst (3 shots)	Heavy machine-gun	
		Heard at least 6 bursts (3-4 shots each)	Small arms	18 November, 11:30-11:32
Kadiivka (“LPR”-controlled, 50km W	5km NW	Heard 3 undetermined explosions	N/K	17 November, 21:24-21:27

of Luhansk)	10km W	Heard 10 undetermined explosions		17 November, 21:37
SMM camera in Zolote (government-controlled, 60km west of Luhansk)	3km SE	Saw 1 explosion (outgoing)	Grenade launcher	17 November, 23:04
1km south of Mykolaivka (government-controlled, 77km W of Luhansk)	15km N	Heard 4 undetermined explosions	N/K	18 November, 10:10-10:28
	15km W	Heard 4 undetermined explosions		
	15km E	Heard 1 undetermined explosion		
Krasnyi Lyman ("LPR"-controlled, 30km NW of Luhansk)	1.5km NW	Heard 1 undetermined explosion	N/K	18 November, 10:40-10:45
		Heard 4 shots	Small arms	
		Heard 1 undetermined explosion	N/K	18 November, 11:00
Novooleksandrivka (65km W of Luhansk)	0.2km NW	Heard 1 shot	Small arms	18 November, 10:45
Vyskryva (government-controlled, 76km west of Luhansk)	8km W	Heard 1 undetermined explosion	N/K	18 November, 12:07
		Heard 3-5 shots (near the SMM UAV)	Small arms	18 November, 12:13
Novotoshkiivske (government-controlled, 53km NW of Luhansk)	0.5km SE	Heard 4 shots	Small arms	18 November, 12:50-13:08
Novozvanivka (government-controlled, 70km W of Luhansk)	8km W	Heard 5 undetermined explosions	N/K	18 November, 13:03-13:15
S of Popasna (government-controlled, 69km W of Luhansk)	15-20km W	Heard 10 undetermined explosions	N/K	18 November, 14:18-14:36
	0.3km SW	Heard 2 shots	Small arms	
Popasna (government-controlled, 69km west of Luhansk)	0.5km	Heard 3-5 bursts	Small arms	18 November, 15:12

## 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).

