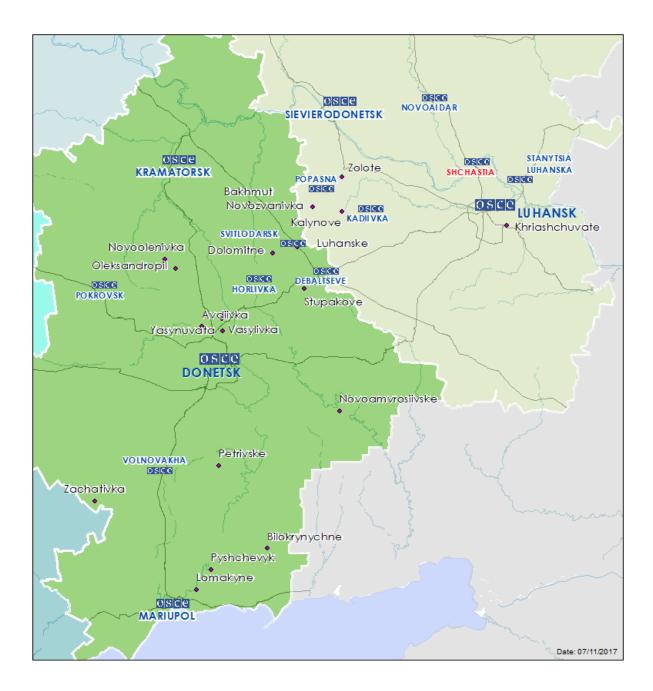
Table of ceasefire violations as	of 6 November 2017 <sup>1</sup>
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event     vecapon/ammunition       VPRP:-controlled, Donetsk city centre     8-10km NW     Heard 5 undetermined explosions     N/K     5 November, 22:19-22:23       Debatizeve ("DPR", controlled, 58km NE     7-10km NW     Heard 4 undetermined explosion     N/K     5 November, 20:26       1.9km NW of Debatizeve ("DPR", controlled, 58km NE     10-14km     Heard and saw 25 explosions (impacts)     N/K     6 November, 13:38-13:54       2 deg of Avditika (government- controlled, 17km N     3-5km SE     Heard 1 undetermined explosions     N/K     6 November, 10:03-10:19       Meard 3 undetermined explosions     N/K     6 November, 12:245-12:48; (government- controlled, 17km N     6 November, 14:20-12:02       We dge of Obonetsk)     2-4km ESE     Heard 1 undetermined explosions (f) November, 14:25     N/K       Of Donetsk)     3-5km SEK     Heard 1 undetermined explosions (f) November, 14:25     N/K       SMM camera in Avdityka (government- controlled, 17km N     3-5km ESE     Heard 1 undetermined explosions (f) November, 14:25     N/K       SMM camera in Avdityka (government- controlled, 17km N     N/K ESE     Recorded 1 projectiles from SW to NE     5 November, 00:20       SMM camera in Donetsk)     N/K Kistawe Recorded 1 projectiles from NE to SW     5 November, 0	SMM - anitian	Looting	Observation	Turce of	Date/time
"DPR"-controlled, Donetsk city centre     8-10km NW     Heard 5 undetermined explosions     N/K     5 November, 22:19-22:23       Dehattese ("DPR"- controlled, 58km NE of Donetsk)     7-10km NW     Heard 4 undetermined explosion     N/K     5 November, 20:26       19km NW of Dehattese ("DPR"- controlled, 58km NE of Donetsk)     10-14km     Heard and saw 25 explosions (impacts)     N/K     6 November, 13:38-13:54       2 deg of Avditika (government- controlled, 17km N     3-5km SE     Heard 1 undetermined explosion     N/K     6 November, 00:22       2 devo of Avditika (government- controlled, 17km N     2-4km RSE     Heard 1 2 undetermined explosions Heard 1 undetermined explosions     Small arms     6 November, 10:03-10:19       3 Skm ESE     Heard 7 undetermined explosions of Donetsk)     N/K     5 November, 12:45-12:40       SM camera in Avditika (government- controlled, 17km N of Donetsk)     N/K ESE     Recorded 1 projectiles from SW to NE     N/K     5 November, 12:57       SMM camera in Avditika (government- controlled, 17km N of Donetsk)     N/K K istante Recorded 1 projectiles from SW to NE     5 November, 00:20     5 November, 00:20       SMM camera at Donetsk)     N/K K istante Recorded 1 undetermined explosions Recorded 1 undetermined explosion Recorded 1 undetermined explosion Recorded 1 undetermined explosion Recorded 1 undetermined explosion R	SMM position		Observation	Type of weapon/ammunition	Date/time
Donetsk city centre     8-10km NW     Heard 5 undetermined explosions     N/K     5 November, 22:19-22:23.       Debaltseve ("DPR"- controlled, Skm NE of Donetsk)     7-10km NW     Heard 4 undetermined explosion     N/K     5 November, 20:26       19km NW of Debaltseve ("DPR"- controlled, Skm NE     10-14km WNW/NW     Heard and saw 25 explosions (impacts)     N/K     6 November, 13:38-13:54       3 Stam SE     Heard 1 undetermined explosion     N/K     6 November, 09:22       2 degit of Avditivka (government- controlled, 17kn N     3-5km SE     Heard 1 undetermined explosions     Small arms     6 November, 10:03-10:19       Verditivka (government- controlled, 17kn N     3-5km ESE     Heard 12 undetermined explosions     N/K     6 November, 12:45-12:48       Avditivka (government- controlled, 17kn N     3-5km ESE     Heard 2 undetermined explosions     N/K     6 November, 14:20-12:02       MM camera in of Donetsk)     N/K ESE     Recorded 1 projectiles from NW to SE     5 November, 21:57       SMM camera in of Donetsk)     N/K ESE     Recorded 1 projectiles from SW to NE     5 November, 20:00       SMM camera at Donetsk)     N/K distame     Recorded 1 projectiles from NE to SW     5 November, 19:41       SMM camera at Donetsk)	"DPR"-controlled,	event		weapon/animalition	
controlled, Skm NE of Donetsk) 7.10km NW Heard 4 undetermined explosion N/K 5 November, 20:26   19km NW of Dobaltsve ("DPR"- controlled, Skm NE of Donetsk) 10-14km WNW /NW Heard and saw 25 explosions (impacts) N/K 6 November, 13:38-13:54   S edge of Avdityka (government- controlled, 17km N 3-5km SE Heard 1 undetermined explosion N/K 6 November, 09:22   SW edge of Avdityka (government- controlled, 17km N 1-3km E Heard 12 undetermined explosions Heard 3 undetermined explosions Heard 1 undetermined explosions N/K 6 November, 10:03-10:19   SMM camera in of Donetsk) 2-4km ESE Heard 12 undetermined explosions Heard 3 undetermined explosions N/K 6 November, 14:25-12:48   SMM camera in of Donetsk) Recorded 1 projectiles from NW to SE SK 5 November, 14:25-12:49   SMM camera in of Donetsk) N/K ESE Recorded 1 projectiles from SW to NE 5 November, 10:13   Recorded 1 projectiles from NE to SW Recorded 1 projectiles from NE to SW 5 November, 19:40   SMM camera at Donetsk Filtration Station (15km N of Donetsk) N/K distance S Recorded 1 projectiles from NE to SW 5 November, 20:11   SMM camera at Donetsk P N/K distance S Recorded 1 projectiles from NE to SW 5 November, 20:13   SMM camera at Donetsk P N/K distance S Recorded 1 undetermined explosions Recorded 1 undetermined explosions Recorded 1 un	Donetsk city centre	8-10km NW	Heard 5 undetermined explosions	N/K	5 November, 22:19-22:23
Debalseve ("DPR". 10-14km   of Donetsk) 3-5km SE Heard and saw 25 explosions (impacts) N/K 6 November, 13:38-13:54   S edge of Avdiivka (government- controlled, 17km N of Donetsk) 3-5km SE Heard 1 undetermined explosions N/K 6 November, 09:22   SW edge of Avdiivka (government- controlled, 17km N of Donetsk) 2-4km ESE Heard 12 undetermined explosions Heard 1 undetermined explosions N/K 6 November, 10:03-10:19   SW edge of Avdiivka (government- controlled, 17km N of Donetsk) 2-4km ESE Heard 1 undetermined explosions Heard 1 undetermined explosions N/K 6 November, 11:20-12:02   SM camera in Avdiivka (government- controlled, 17km N of Donetsk) 2-4km ESE Heard 1 undetermined explosions Recorded 2 projectiles from NW to SE N/K N/K 5 November, 14:45-16:00   Recorded 1 projectiles from SW to NE Recorded 1 projectiles from SW to NE 5 November, 00:20 6 November, 00:20   Recorded 1 projectiles from NE to SW Recorded 1 projectiles from NE to SW 5 November, 19:41 5 November, 19:41   Station (15km N of Donetsk) N/K distane S Recorded 1 undetermined explosion Recorded 1 undetermined explos	Debaltseve ("DPR"- controlled, 58km NE of Donetsk)	7-10km NW	Heard 4 undetermined explosion	N/K	5 November, 20:26
S edge of Avdiivka (government- controlled, 17km N of Donetsk)   3-5km SE   Heard 1 undetermined explosion Heard 20 bursts   N/K   6 November, 09:22     W edge of Ornetsk)   1-3km E   Heard 20 bursts   Small arms   6 November, 10:03-10:19     W edge of Ornetsk)   2-4km ESE   Heard 12 undetermined explosions Heard 3 undetermined explosions   N/K   6 November, 11:20-12:02     SMM camera in Avdiivka (government- controlled, 17km N of Donetsk)   3-5km ESE   Heard 3 undetermined explosions   N/K   6 November, 14:25     SMM camera in Avdiivka (government- controlled, 17km N of Donetsk)   N/K ESE   Recorded 4 projectiles from NW to SE   S   5 November, 21:57     SMM camera in Avdiivka (government- controlled, 17km N of Donetsk)   N/K ESE   Recorded 1 projectiles from SW to NE   5 November, 00:13     Recorded 1 projectiles from SW to NE   Recorded 1 projectiles from NE to SW   5 November, 00:13     Recorded 1 projectiles from NE to SW   Recorded 1 projectiles from NE to SW   5 November, 20:07     Recorded 1 undetermined explosion Recorded 1 u	1.9km NW of Debaltseve ("DPR"- controlled, 58km NE of Donetsk)		-	N/K	6 November, 13:38-13:54
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of Donetsk) Heard 10 shots 6 November, 11:20-12:02   SW edge of Avditvka (government- controlled, 17km N 2-4km ESE Heard 12 undetermined explosions Heard 1 undetermined explosions N/K   3-5km ESE Heard 3 undetermined explosions 6 November, 12:45-12:48   6 November, 14:25. 6 November, 14:25.   6 November, 14:25. 6 November, 14:25.   6 November, 14:26. 6 November, 14:25.   6 November, 14:26. 6 November, 14:26.   7 Undetermined explosions 6 November, 14:26.   7 Witvka (government- controlled, 17km N Recorded 2 projectiles from NW to SE 5 November, 21:57   8 Recorded 15 projectiles from SW to NE Recorded 15 projectiles from SW to NE 6 November, 00:13   8 Recorded 12 projectiles from SW to NE 6 November, 19:40 5 November, 19:40   8 Recorded 12 projectiles from NE to SW SW 5 November, 19:41   8 Recorded 11 projectiles from NE to SW SW 5 November, 20:07   8 Recorded 12 undetermined explosions 5 November, 20:11 5 November, 20:12   9 Notember, 20:12 7 November, 20:12 5 November, 20:12   9 November, 20:13 8 Recorded 1 undetermined explosions 5 November, 20:12   9 November, 20:14 8 Recorded 1 undetermined explosions 5 November, 20:13   9 November, 20:12 8 Recorded 1 undetermin	(government-		Heard 20 bursts		
Avdiivka (government- controlled, 17km N of Donetsk) 2-4km ESE Heard 3 undetermined explosions Heard 1 undetermined explosions N/K 6 November, 12:45-12:48 6 November, 14:25   SMM camera in Avdiivka (government- controlled, 17km N of Donetsk) 8 Kex Recorded 1 projectiles from NW to SE 5 November, 14:25   Recorded 1 projectiles from NW to SE SE 5 November, 14:25 6 November, 14:25   Recorded 1 projectiles from NW to SE SE 5 November, 21:57   Recorded 1 projectiles from SW to NE Recorded 1 projectiles from SW to NE 6 November, 00:13   Recorded 1 projectiles from SW to NE Recorded 1 projectiles from NE to SW 5 November, 19:40   SMM camera at Donetsk Filtration Station (15km N of Donetsk) Recorded 1 undetermined explosion Recorded	controlled, 17km N of Donetsk)	1-3km E	Heard 10 shots	Small arms	6 November, 10:03-10:19
controlled, 17km N   3-5km ESE   Heard 3 undetermined explosions   6 November, 14:40-14:56     of Donetsk)   2-4km E   Heard 7 undetermined explosions   6 November, 14:50-14:56     SMM camera in   Recorded 4 projectiles from NW to   5 November, 21:57     SWM camera in   Recorded 1 projectiles from SW to   5 November, 22:00     outrolled, 17km N   Recorded 15 projectiles from SW to   6 November, 00:13     of Donetsk)   Recorded 1 projectiles from SW to   6 November, 00:20     Recorded 2 projectiles from NE to   Recorded 1 projectiles from NE to   5 November, 19:40     Recorded 1 projectiles from NE to   SW   5 November, 19:41   5 November, 19:47     SMM camera at   Recorded 1 projectiles from NE to   SW   5 November, 20:07     SWM camera at   Recorded 1 undetermined explosion   5 November, 20:07     Recorded 2 projectiles from NE to   SW   5 November, 20:07     SW   Recorded 2 undetermined explosions   5 November, 20:07     Recorded 1 undetermined explosions   5 November, 20:11   5 November, 20:12     Sonderded 2 undetermined explosions   5 November, 20:12   5 November, 20:20     Recorded 1 undetermined explosions   5 November, 20:21	SW edge of Avdiivka	2-4km ESE	Heard 3 undetermined explosions	N/K	6 November, 12:45-12:48
of Donetsk)   2-4km E   Heard 7 undetermined explosions   6 November, 14:58-15:00     SMM camera in Avdivka (government-controlled, 17km N of Donetsk)   N/K ESE   Recorded 2 projectiles from NW to SE   5 November, 22:00     Recorded 1 projectiles from SW to NE   Recorded 2 projectiles from SW to NE   6 November, 00:13   6 November, 00:20     Recorded 1 projectiles from NE to NE   Recorded 1 undetermined explosion   5 November, 19:40     SMM camera at Donetsk Filtration Station (15km N of Donetsk)   Recorded 1 undetermined explosion   5 November, 19:41     Recorded 1 undetermined explosions   Recorded 1 undetermined explosions   5 November, 20:07     Recorded 1 undetermined explosions   5 November, 20:11   5 November, 20:11     Recorded 2 undetermined explosions   5 November, 20:12   5 November, 20:12     Recorded 1 undetermined explosions   5 November, 20:12   5 November, 20:12     Recorded 1 undetermined explosions   5 November, 20:12   5 November, 20:12     Recorded 1 undetermined explosion   5 November, 20:20   7 November, 20:20     Recorded 1 undetermined explosion   5 November, 20:12   5 November, 20:12     Recorded 1 undetermined explosion   5 November, 20:20   7 November, 20:20     Recorded 1 undetermined explosion	controlled, 17km N	3-5km ESE			
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SMM camera at Donetsk)   N/K ESE   SE   5 November, 22:00     Recorded 15 projectiles from SW to NE   6 November, 00:13   6 November, 00:20     Recorded 2 projectiles from SW to NE   6 November, 00:20   5 November, 19:40     Recorded 1 undetermined explosion   5 November, 19:40   5 November, 19:41     Recorded 1 undetermined explosion   5 November, 19:41   5 November, 19:47     Recorded 1 undetermined explosion   5 November, 19:43   5 November, 19:43     Recorded 1 projectiles from NE to SW   5 November, 20:07   5 November, 20:07     Recorded 1 undetermined explosion   5 November, 20:07   5 November, 20:07     Recorded 1 undetermined explosions   5 November, 20:07   5 November, 20:11     Recorded 2 undetermined explosions   5 November, 20:12   5 November, 20:12     Recorded 1 undetermined explosions   5 November, 20:12   5 November, 20:12     Recorded 1 undetermined explosions   5 November, 20:12   5 November, 20:20     Recorded 1 undetermined explosions   5 November, 20:20   5 November, 20:21     Recorded 1 undetermined explosions   5 November, 20:21   5 November, 20:20     Recorded 1 undetermined explosion   5 November, 20:21   5 November, 20:21	SMM camera in				
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SMM camera at Donetsk Filtration Station (15km N of Donetsk)Recorded 44 projectiles from E to W5 November, 20:11N/K distance SRecorded 3 undetermined explosions Recorded 2 undetermined explosions5 November, 20:11Recorded 2 undetermined explosions5 November, 20:12Recorded 1 undetermined explosion5 November, 20:18Recorded 1 undetermined explosion5 November, 20:18Recorded 1 undetermined explosion5 November, 20:20Recorded 1 undetermined explosion5 November, 20:21Recorded 1 undetermined explosion5 November, 20:22Recorded 1 undetermined explosion5 November, 20:22Recorded 1 undetermined explosion5 November, 20:23Recorded 1 undetermined explosion5 November, 20:22Recorded 1 undetermined explosion5 November, 20:23Recorded 1 projectile (trajectory N/K)5 November, 22:26Recorded 1 projectile from W to E5 November, 23:49			SW		
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Recorded 1 projectile from W to E 5 November, 23:49				1	
			Recorded 4 projectiles from W to E	4	6 November, 00:13

<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.

Lomakyne	N/K ENE	Heard 3 undetermined explosions		6 November, 11:10 -11:18
2.5km SSE of		Heard 4 undetermined explosions	N/K	6 November, 11:04-11:06
of Mariupol)				
controlled, 23km NE				
Pikuzy ("DPR"-	1km E	Heard 6 bursts	Small arms	6 November, 10:53
of Mariupol)				
(government controlled, 15km NE				6 November, 10:28
Lomakyne	N/K NNE	Heard 1 undetermined explosion	N/K	
2.5km SE of				
of Donetsk)				
(government- controlled, 49km NE	3-4KM S	Heard 8 undetermined explosions	1N/ <b>K</b>	6 November, 11:46
Krasnyi Pakhar) (government-	3-4km S	Heard 8 undetermined avalasions	N/K	6 November 11.46
Stupakove (former				
		Heard 3 bursts		6 November, 18:18
	4-6km SE	Heard 3 bursts	1	6 November, 18:03
	5-7km SE	Heard 3 bursts	1	6 November, 17:38
		Heard 1 undetermined explosion	HMG	6 November, 17:02
		Heard 2 undetermined explosions	1	6 November, 16:56
	J-/ KIII IN W	Heard 2 undetermined explosion	1	6 November, 16:28
	5-7km NW	Heard 1 undetermined explosion		6 November, 15:45
	5-7km SE	Heard 5 undetermined explosions Heard 8 undetermined explosions	4	6 November,13:45 6 November, 14:20-14:23
	6-7km NE	Heard 8 undetermined explosions	N/K	6 November, 08:35-08:38
		Heard 2 undetermined explosions	4	6 November, 08:30
	4-6km SE	Heard 1 undetermined explosion		6 November, 08:20
		Heard 4 bursts	Small arms	5 November, 21:23
· · · ····		Heard 3 bursts	HMG	5 November, 20:25
of Donetsk)		Heard 3 bursts		5 November, 19:58-20:00 5 November, 20:25
(government- controlled, 57km NE		Heard 18 bursts Heard 5 undetermined explosions	N/K	5 November, 19:55 5 November, 19:58-20:00
Svitlodarsk		Heard 27 bursts	Small arms	5 November, 19:29-19:35
	o-/km SW	-		
	6-7km SW	Heard 1 undetermined explosion	4	5 November, 19:57
	3-4km SW	Heard 1 undetermined explosion	-	5 November, 19:55
	6-7km SW	Heard 2 undetermined explosions	1	5 November, 19:47
of Donetsk)		Heard 2 undetermined explosions	N/K	5 November, 19:43
controlled, 39km NE	3-4km SW	Heard 2 undetermined explosions	1	5 November, 19:33
Horlivka ("DPR"-	6-7km SW	Heard 2 undetermined explosions		5 November, 19:28
5km N of Donetsk city centre)	2-3km NW	Heard 1 undetermined explosion	N/K	6 November, 13:28
Kyivskyi district ("DPR"-controlled,	0.01 NWV		NUT	
52km north-east of Donetsk)				
("DPR"-controlled,	1km NW	Heard 7 shots	Small arms	6 November, 10:47
3km S of Lozove		1		,
		Recorded 8 projectiles from E to W	1	6 November, 18:15
		Recorded 2 projectiles from E to W	1	6 November, 17:56
		Recorded 7 projectiles from E to W	1	6 November, 17:53
	0.5-1.5km S	Recorded 5 projectiles from E to W	1	6 November, 17:37
		Recorded 2 projectiles from E to W	1	6 November, 17:31
		Recorded 2 projectiles from E to W	1	6 November, 17:30
		Recorded 7 projectiles from E to W	-	6 November, 17:27
		Recorded 11 projectiles from E to W	-	6 November, 17:25
		Recorded 1 projectile from E to W	-	6 November, 01:07
		Recorded 14 projectiles from E to W Recorded 4 projectiles from E to W	-	6 November, 01:03 6 November, 01:05
		Recorded 2 projectiles from E to W	_	6 November, 00:54

(government		Heard 1 explosion (impact)		
controlled, 15km NE		Heard 10 explosions (outgoing)	1	
of Mariupol				
1 Km NNW of	N/K NE	Heard 2 undetermined explosions	N/K	6 November, 13:13
Pyshchevyk	N/K ESE	Heard 3 shots	Small arms	6 November, 13:20
(government	N/K SSE	Heard 2 undetermined explosions	N/K	6 November, 13:45
controlled, 25km NE of Mariupol)				
Kadiivka (formerly	10-18km W	Heard 162 explosions (81 impacts and	Artillery (type N/K)	5 November, 21:05-21:50
Stakhanov, "LPR"-	and WNW	81 outgoing)	and/or mortar (type	,
controlled, 50km W			N/K)	
of Luhansk)	10km W	Heard 95 bursts	IFV (BMP-2) cannon	
			(30mm)	
	1-2km W	Saw 3 illumination flares in vertical	Flare	5 November, 21:38-21:40
		flight		
Popasna	5km SE	Heard 1 undetermined explosion	N/K	5 November, 20:40-21:05
(government-		Heard 7 shots	IFV (BMP-2) cannon	
controlled, 69km W		Heard 25 bursts	Small arms	
of Luhansk)	3-5km SW	Heard 12 explosions (4 outgoing and	Mortar (type N/K)	5 November, 21:15-21:40
		8 impacts)		
		Heard 50 bursts	HMG	
		Heard 6 shots (outgoing)	AGL	6 November, 00:15-00:20
		Heard 10 bursts	HMG	
	4-6km SE	Heard 13 bursts	IFV (BMP-2) cannon	6 November, 11:15-11:20
		Heard 3 bursts	IFV (BMP-2) cannon	6 November, 11:59-12:20
		Heard 10 shots	Small arms	
		Heard 23 bursts	IFV (BMP-2) cannon	6 November, 12:20-12:43
		Heard 7 bursts	IFV (BMP-2) cannon	6 November, 12: 46-13: 10
		Heard 7 shots	Small arms	
	4-6km SE	Heard 2 shots	AGL	6 November, 13:30-13:45
		Heard 6 shots	Small arms	
		Heard 3 bursts	IFV (BMP-2) cannon	6 November, 13:50
	5km SE	Heard 13 undetermined explosions	N/K	6 November, 16:35-16:45
Kalynove ("LPR"-	5-7km SSW	Heard 10 explosions	N/K	6 November, 10:40-10:55
controlled, 60km W		Heard 5 bursts	HMG	
of Luhansk)				
3.5km E of Kalynove	5-7km W	Heard 11 shots	AGL	6 November, 13:25-13:30
("LPR"-controlled,				
60km W of Luhansk)				
1.75km NE of	5-7km W	Heard 12 shots	AGL	6 November,12:20-12:25
Stepanivka ("LPR"-				
controlled, 62km W				
of Luhansk)	7 01 WAW			CN 1 12.49
SE edge of Vesela	7-8km WNW	Heard 5 undetermined explosions	N/K	6 November,12:48
Hora ("LPR"- controlled, 16km N				
of Luhansk)				
N edge of Kalynove-	10km SW and	Heard 3 bursts	HMG	6 November, 13:50-14:10
Borshchuvate	SSW	rieard 5 bursts		0 November, 15:50-14:10
("LPR"-controlled,	יי ככ			
61km W of Luhansk)				
JIKIII W UI LUIIAIISK)		1	1	1



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

<sup>&</sup>lt;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 base from which SMM staff has temporarily relocated since 27 September 2016 based on recommendations of security experts from participating States.)