

Table of ceasefire violations as of 21 October 2016¹

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km ESE	Heard 1 undetermined explosion	N/K	20 October, 16:20
	2-3km ESE	Heard 4 bursts	HMG	20 October, 17:25
	4-5km ESE	Heard 5 undetermined explosions	Recoilless gun (SPG-9, 73mm) and/or RPG	20 October, 17:25
	2-3km ESE	Heard 4 bursts	Small arms	20 October, 17:25
	4-5km SE	Heard 4 undetermined explosions	Recoilless gun (SPG-9, 73mm) and/or RPG	20 October, 18:02
	4-5km E	Heard 7 undetermined explosions	N/K	20 October, 18:04-18:08
	2-3km ESE	Heard 4 bursts	Small arms	20 October, 18:13
		Heard 3 bursts		20 October, 18:13
		Heard 14 bursts	HMG	20 October, 18:23-18:28
		Heard 16 bursts		20 October, 18:50-18:56
	3-4km ESE	Heard 24 undetermined explosions	N/K	20 October, 18:55-19:08
	2-3km ESE	Heard 8 bursts	HMG	20 October, 19:00-19:10
	2-3km SSE	Heard 7 explosions (impacts)	Mortar (N/K calibre)	20 October, 19:07-19:11
	2km S	Heard 4 explosions (outgoing)	Recoilless gun (SPG-9, 73mm) and/or RPG	20 October, 19:07-19:11
	2-4km SSE	Heard at least 40 bursts (exchange of fire)	HMG and small arms	20 October, 19:05-19:13
	2-3km SE	Heard 5 shots (outgoing) and their impacts	AGL	20 October, 19:18
	2-4km SSE	Heard at least 14 bursts (exchange of fire)	HMG and small arms	20 October, 19:16-19:20
	2-3km SSE	Heard 12 bursts	HMG	20 October, 19:20-19:24
	3-4km SE	Heard 7 bursts		20 October, 19:35-19:37
	2-3km S	Heard 4 bursts		20 October, 19:35
	2km SSE	Heard 4 bursts		20 October, 19:37
	2-3km SSE	Heard 2 undetermined explosions	Recoilless gun (SPG-9, 73mm) and/or RPG	20 October, 19:47
		Heard 3 bursts	HMG	20 October, 19:48
		Heard 2 undetermined explosions	Recoilless gun (SPG-9, 73mm) and/or RPG	20 October, 19:48
	2-3km S	Heard at least 12 bursts (exchange of fire)	HMG and small arms	20 October, 19:50-19:51
	2km S	Heard 8 bursts	Anti-aircraft gun (ZU-23, 23mm)	20 October, 19:56-19:57
		Heard 5 bursts	HMG	20 October, 19:57
		Heard 5 bursts	Anti-air-craft (ZU-23, 23mm)	20 October, 20:00
	2-3km SSE	Heard 1 undetermined explosion	N/K	20 October, 20:05

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.

	Heard 7 bursts	HMG	20 October, 20:05-20:07
	Heard 7 undetermined explosions	N/K	20 October, 20:12-20:13
	Heard 17 bursts (exchange of fire)	HMG and small arms	20 October, 20:24-20:27
2-3km SE	Heard 5 undetermined explosions	N/K	20 October, 20:27
2-3km SSE	Heard 3 bursts	HMG	20 October, 20:44
3-4km SE	Heard 2 undetermined explosions	N/K	20 October, 20:59
2-3km SE	Heard 3 bursts	HMG	20 October, 21:13
3-4km SE	Heard 3 undetermined explosions	N/K	20 October, 21:13
2-3km SE	Heard 7 bursts	HMG	20 October, 20:20
3-4km SE	Heard 4 undetermined explosions	N/K	20 October, 21:24
3-4km SSE	Heard 5 undetermined explosions		20 October, 21:33
3-4km SE	Heard 4 undetermined explosions		20 October, 21:45
2-3km SSE	Heard 2 undetermined explosions	Recoilless gun (SPG-9, 73mm) and/or RPG	20 October, 21:54
	Heard 3 bursts	HMG	20 October, 21:54
2-3km SE	Heard at least 27 bursts (exchange of fire)	HMG and small arms	20 October, 21:56-22:03
3-4km SE	Heard 2 undetermined explosions	N/K	20 October, 22:03
	Heard at least 20 bursts	HMG and small arms	20 October, 22:05-22:11
3-4km SSE	Heard 4 undetermined explosions	N/K	20 October, 22:21
2-4km S	Heard at least 20 bursts (exchange of fire)	HMG and small arms	20 October, 22:24-22:28
2-3km SE	Heard at least 30 bursts (exchange of fire)		20 October, 22:39-22:44
2-3km SSE	Heard 7 bursts	HMG	20 October, 22:51
	Heard 4 bursts		20 October, 23:03
2-3km SSE	Heard 3 bursts	Anti-aircraft gun (ZU-23, 23mm)	20 October, 23:03
	Heard 7 bursts	HMG	20 October, 23:23
2-3km SE	Heard at least 32 bursts (exchange of fire)	HMG and small arms	20 October, 23:35-23:43
2-3km SSE	Heard 9 bursts	HMG	20 October, 23:51
	Heard 2 undetermined explosions	Recoilless gun (SPG-9, 73mm) and/or RPG	20 October, 23:51
SMM camera in Shyrokyne (government-controlled, 20km E of Mariupol)	3-4km NE	Recorded 3 explosions (impacts)	20 October, 17:53-17:55
		Recorded 2 explosions (outgoing)	
		Recorded 2 explosions (impacts)	
	N/K NNE	Recorded 1 rocket-assisted projectile fired from SW to NE	20 October, 19:47
	3-4km NE	Recorded 1 rocket-assisted projectile fired from E to W	
	6km N	Recorded 26 explosions (impacts)	
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SE	Recorded 1 undetermined explosion	N/K
		Recorded 1 undetermined explosion	
		Recorded 1 undetermined explosion	
		Recorded 1 undetermined explosion	
		Recorded 2 undetermined explosions	
		Recorded 2 undetermined explosions	
		Recorded 1 undetermined explosion	
	Heard 7 bursts	HMG	20 October, 20:05-20:07
	Heard 7 undetermined explosions	N/K	20 October, 20:12-20:13
	Heard 17 bursts (exchange of fire)	HMG and small arms	20 October, 20:24-20:27
2-3km SE	Heard 5 undetermined explosions	N/K	20 October, 20:27
2-3km SSE	Heard 3 bursts	HMG	20 October, 20:44
3-4km SE	Heard 2 undetermined explosions	N/K	20 October, 20:59
2-3km SE	Heard 3 bursts	HMG	20 October, 21:13
3-4km SE	Heard 3 undetermined explosions	N/K	20 October, 21:13
2-3km SE	Heard 7 bursts	HMG	20 October, 20:20
3-4km SE	Heard 4 undetermined explosions	N/K	20 October, 21:24
3-4km SSE	Heard 5 undetermined explosions		20 October, 21:33
3-4km SE	Heard 4 undetermined explosions		20 October, 21:45
2-3km SSE	Heard 2 undetermined explosions	Recoilless gun (SPG-9, 73mm) and/or RPG	20 October, 21:54
	Heard 3 bursts	HMG	20 October, 21:54
2-3km SE	Heard at least 27 bursts (exchange of fire)	HMG and small arms	20 October, 21:56-22:03
3-4km SE	Heard 2 undetermined explosions	N/K	20 October, 22:03
	Heard at least 20 bursts	HMG and small arms	20 October, 22:05-22:11
3-4km SSE	Heard 4 undetermined explosions	N/K	20 October, 22:21
2-4km S	Heard at least 20 bursts (exchange of fire)	HMG and small arms	20 October, 22:24-22:28
2-3km SE	Heard at least 30 bursts (exchange of fire)		20 October, 22:39-22:44
2-3km SSE	Heard 7 bursts	HMG	20 October, 22:51
	Heard 4 bursts		20 October, 23:03
	Heard 3 bursts	Anti-aircraft gun (ZU-23, 23mm)	20 October, 23:03
2-3km SE	Heard 7 bursts	HMG	20 October, 23:23
2-3km SSE	Heard at least 32 bursts (exchange of fire)	HMG and small arms	20 October, 23:35-23:43
	Heard 9 bursts	HMG	20 October, 23:51
	Heard 2 undetermined explosions	Recoilless gun (SPG-9, 73mm) and/or RPG	20 October, 23:51
SMM camera in Shyrokyne (government-controlled, 20km E of Mariupol)	3-4km NE	Recorded 3 explosions (impacts)	20 October, 17:53-17:55
		Recorded 2 explosions (outgoing)	
		Recorded 2 explosions (impacts)	
	N/K NNE	Recorded 1 rocket-assisted projectile fired from SW to NE	20 October, 19:47
	3-4km NE	Recorded 1 rocket-assisted projectile fired from E to W	
	6km N	Recorded 26 explosions (impacts)	
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SE	Recorded 1 undetermined explosion	N/K
		Recorded 1 undetermined explosion	
		Recorded 1 undetermined explosion	
		Recorded 1 undetermined explosion	
		Recorded 2 undetermined explosions	
		Recorded 2 undetermined explosions	
		Recorded 1 undetermined explosion	

		Recorded 1 undetermined explosion	20 October, 20:26
		Recorded 1 undetermined explosion	20 October, 20:33
		Recorded 3 undetermined explosions	20 October, 20:50
		Recorded 1 undetermined explosion	20 October, 20:52
		Recorded 1 undetermined explosion	20 October, 22:25
		Recorded 2 undetermined explosions	20 October, 23:07
		Recorded 1 undetermined explosion	21 October, 00:41
		Recorded 1 undetermined explosion	21 October, 00:45
		Recorded 1 undetermined explosion	21 October, 02:21
		Recorded 1 undetermined explosion	21 October, 02:27
		Recorded 1 undetermined explosion	21 October, 08:48
		Recorded 1 undetermined explosion	21 October, 08:59
		Recorded 1 undetermined explosion	21 October, 15:49
		Recorded 1 explosion (impact)	21 October, 15:51
	4-5km ESE	Recorded 2 explosions (impacts)	21 October, 15:55
	4-5km ESE	Recorded 2 explosions (impacts)	21 October, 17:12
	4-5km ESE	Recorded 1 explosion (impact)	21 October, 17:13
	4-5km ESE	Recorded 1 explosion (impact)	21 October, 17:36
Horlivka ("DPR"-controlled, 39km NE of Donetsk)	3-4km NW	Heard 1 burst	20 October, 19:37
		Heard 5 bursts	20 October, 20:10
		Heard 1 burst	20 October, 20:15
	3-4km NW	Heard 2 explosions (impacts)	N/K
		Heard 1 burst	20 October, 20:23
		Heard 1 burst	20 October, 20:25
		Heard 2 bursts	20 October, 20:26
		Heard 1 burst	20 October, 20:30
		Heard 2 bursts	20 October, 21:00
		Heard 5 bursts	20 October, 21:05
	7-8km NW	Heard 1 explosion (impact)	20 October, 21:07
		Heard 4 explosions (impacts)	N/K
	5-6km NW	Heard 1 burst	20 October, 21:11
	3-4km NW	Heard 4 explosions (impacts)	AGL
	7-8km NW	Heard 6 explosions (impacts)	20 October, 21:11
	5-6km NW	Heard 1 burst	20 October, 21:11
	7-8km NW	Heard 2 explosions (impacts)	N/K
	5-6km NW	Heard 6 explosions (impacts)	20 October, 21:12
	7-8km NW	Heard 1 explosion (impact)	AGL
	5-6km NW	Heard 1 explosion (impact)	20 October, 21:13
	3-4km NW	Heard 2 explosions (impacts)	N/K
	7-8km NW	Heard 1 explosion (impact)	20 October, 21:13
	5-6km NW	Heard 2 explosions (impacts)	AGL
	3-4km NW	Heard 2 bursts	20 October, 21:14
	5-6km NW	Heard 2 explosions (impacts)	Small arms
	7-8km NW	Heard 1 explosion (impact)	20 October, 21:14
	5-6km NW	Heard 6 bursts	AGL
	3-4km NW	Heard 2 bursts	20 October, 21:15
	7-8km NW	Heard 1 explosion (impact)	N/K
	5-6km NW	Heard 1 explosion (impact)	20 October, 21:16
	3-4km NW	Heard 4 explosions (impacts)	AGL
	7-8km NW	Heard 6 bursts	20 October, 21:17
	3-4km NW	Heard 2 bursts	20 October, 21:17
	7-8km NW	Heard 1 explosion (impact)	Small arms
	5-6km NW	Heard 1 explosion (impact)	20 October, 21:18
	3-4km NW	Heard 2 explosions (impacts)	N/K
	7-8km NW	Heard 1 explosion (impact)	20 October, 21:20
	5-6km NW	Heard 2 bursts	AGL
	3-4km NW	Heard 2 explosions (impacts)	20 October, 21:21
	7-8km NW	Heard 1 explosion (impact)	Small arms
	5-6km NW	Heard 2 bursts	20 October, 21:23
	3-4km NW	Heard 1 explosion (impact)	N/K
	7-8km NW	Heard 2 explosions (outgoing)	20 October, 22:07
			20 October, 22:08

	3-5km NW	Heard 5 bursts	Small arms	20 October, 21:15
	3-4km NW	Heard 5 bursts		20 October, 21:15
	7-8km NW	Heard 1 explosion (impact)	N/K	20 October, 21:17
		Heard 1 explosion (impact)		20 October, 22:25
		Heard 1 explosion (impact)		20 October, 22:41
		Heard 2 explosions (impacts)		20 October, 22:42
		Heard 2 explosions (impacts)		20 October, 22:45
		Heard 1 explosion (impact)		20 October, 22:47
Park Inn Hotel ("DPR"-controlled, Donetsk city centre)	6-8km N	Heard 2 undetermined explosions	N/K	20 October, 23:07
		Heard 2 undetermined explosions		20 October, 23:09
		Heard 2 undetermined explosions		20 October, 23:31
Donetsk central railway station ("DPR"-controlled, 6km NW of Donetsk city centre)	4-5km NNE	Heard 1 undetermined explosion	N/K	21 October, 10:08
	5-7km NNE	Heard 24 undetermined explosions		21 October, 10:13-10:16
		Heard 1 undetermined explosion		21 October, 10:28
	3-4km NNW	Heard 1 burst	Small arms	21 October, 13:10
Yasynuvata ("DPR"-controlled, 16km NE of Donetsk)	4-6km NW	Heard 3 undetermined explosions	N/K	21 October, 13:25
	4-5km WSW	Heard 1 undetermined explosion	N/K	21 October, 10:26
	2-5km W	Heard 1 undetermined explosion		21 October, 10:28
	4-6km WSW	Heard 4 undetermined explosions		21 October, 11:49
		Heard 2 undetermined explosions		21 October, 12:06
		Heard 2 undetermined explosions		21 October, 12:15
		Heard 2 undetermined explosions		21 October, 12:20
		Heard 1 undetermined explosion		21 October, 12:25
		Heard 1 undetermined explosion		21 October, 12:30
Avdiivka (government-controlled, 17km N of Donetsk)	4-5km E	Heard 2 undetermined explosions	N/K	21 October, 10:27
		Heard 2 undetermined explosions		21 October, 11:15
	3-5km E	Heard 5 bursts	Small arms	21 October, 11:24
		Heard 1 undetermined explosion	N/K	21 October, 11:32
		Heard 1 explosion (outgoing)	Mortar (N/K calibre)	21 October, 11:49
		Heard 5 bursts	HMG	21 October, 11:59
		Heard 1 undetermined explosion	N/K	21 October, 12:03
		Heard 10 explosions (outgoing)	Mortar (N/K calibre)	21 October, 12:09
		Heard 7 undetermined explosions	N/K	21 October, 12:11
		Heard 3 bursts	HMG	21 October, 12:12
		Heard 4 undetermined explosions	N/K	21 October, 12:21
		Heard 7 explosions (outgoing)	Mortar (N/K calibre)	21 October, 12:52
		Heard 5 explosions (outgoing)	N/K	21 October, 12:55
		Heard 5 bursts	HMG	21 October, 12:59
		Heard 1 undetermined explosion	N/K	21 October, 13:35
	2-3km E	Heard 3 undetermined explosions		21 October, 13:37
		Heard 1 undetermined explosion		21 October, 13:40
		Heard 5 undetermined explosions		21 October, 13:41
		Heard 6 undetermined explosions		21 October, 13:44
	3-5km E	Heard 1 undetermined explosion	Small arms	21 October, 14:17
		Heard 1 undetermined explosion		21 October, 14:17
		Heard 4 bursts		21 October, 14:28
		Heard 5 bursts	N/K	21 October, 14:31
		Heard 1 undetermined explosion	Mortar (N/K calibre)	21 October, 14:39
Krasnohorivka (government-controlled, 21km W of Donetsk)	5-7km SSE	Heard 1 explosion (outgoing)		21 October, 11:50
		Heard 1 undetermined explosion	N/K	21 October, 12:05
		Heard 5 undetermined explosions		21 October, 12:10
		Heard 2 undetermined explosions		21 October, 12:14
		Heard 1 undetermined explosion		21 October, 12:21
		Heard 10 undetermined explosions		21 October, 12:23
		Heard 1 undetermined explosions		21 October, 12:25
		Heard 3 undetermined explosions		21 October, 12:30
		Heard 4 undetermined explosions		21 October, 12:52
		Heard 8 undetermined explosions		21 October, 15:20
Marinka (government-controlled, 23km SW)	0.5-2km NW	Heard 2 undetermined explosions	N/K	21 October, 15:22
	1-3km NW	Heard 1 undetermined explosion		

of Donetsk	0.5-2km NW	Heard continuous bursts	Small arms	21 October, 15:23-15:26
		Heard 1 undetermined explosion	N/K	21 October, 15:23
		Heard 2 undetermined explosions		21 October, 15:25
		Heard continuous bursts	Small arms	21 October, 15:27
		Heard 2 undetermined explosions	N/K	21 October, 15:59-16:00
		Heard continuous bursts	Small arms	21 October, 15:30-15:40
Pavlopil (government-controlled, 26km NE of Mariupol)	6-8km SSW and SSE	Heard 24 undetermined explosions	N/K	21 October, 15:52-16:05
		Heard 9 undetermined explosions		21 October, 16:25-16:29
		Heard 10 bursts	Small arms	21 October, 16:39-16:49
Orlivske (government-controlled, 23km NE of Mariupol) Mariupol (government-controlled, 102km S of Donetsk)	6-8km SSE	Heard 16 undetermined explosions	N/K	21 October, 17:17-17:25
	3-4km W	Heard 1 explosion (outgoing)		21 October, 17:25-17:29
	6-8km SSE	Heard 5 undetermined explosions		21 October, 17:29-17:33
	N/K ENE	Heard 9 undetermined explosions	N/K	21 October, 17:33-17:37
2km S of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	0.6km NE	Heard 1 undetermined explosion	N/K	21 October, 09:00
	5km ENE	Heard 1 undetermined explosion	N/K	21 October, 14:59
	15km ESE	Heard 1 undetermined explosion	N/K	21 October, 11:10
3km S of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	2.5km ENE	Heard 1 undetermined explosion	N/K	21 October, 12:39
Lobacheve (government-controlled, 17km NW of Luhansk) Buhaivka (“LPR”-controlled, 37km SW of Luhansk)	1-3km NW	Heard 1 burst	HMG	21 October, 12:50
		Heard 6 bursts	Small arms	21 October, 13:03
		Heard 1 explosion (outgoing)	Mortar (82mm)	21 October, 13:08
		Heard 1 explosion (outgoing)	Mortar (82mm)	21 October, 13:08
	0.8km W	Heard 12 bursts	Small arms	21 October, 14:10-14:20
		Heard 2 single shots (assessed as live-fire exercise)	N/K	21 October, 14:10-14:20
Zolote-4 (government-controlled, 60km W of Luhansk) Zolote-5 (“LPR”-controlled, 61km W of Luhansk)	10-15km SSE	Heard 2 undetermined explosions	N/K	21 October, 14:13
	5-7km S	Heard 3 undetermined explosions	N/K	21 October, 14:41-14:46
		Heard 3 bursts	HMG	21 October, 15:20
	N/K SW	Heard 2 undetermined explosions	N/K	21 October, 15:55-16:07
	N/K SE	Heard 7 undetermined explosions		

Map of Donetsk and Luhansk regions²

2 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.)

