

**Table of ceasefire violations as of 16 November 2021<sup>8</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera 2km E of Bohdaniivka (government-controlled, 41km SW of Donetsk)	4-6km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	15-Nov, 20:39
	1-3km ESE	Recorded	1	Projectile	SW to NE (assessed as inside the disengagement area near Petrivske)	N/K	16-Nov, 01:43
	3-5km ESE	Recorded	4	Projectile	In vertical flight (unable to assess if inside or outside the disengagement area near Petrivske)	N/K	16-Nov, 02:06
	3-5km ESE	Recorded	29	Projectile	SW to NE (unable to assess if inside or outside the disengagement area near Petrivske)	N/K	16-Nov, 02:06
	3-5km ESE	Recorded	7	Projectile	N to S (unable to assess if inside or outside the disengagement area near Petrivske)	N/K	16-Nov, 02:06
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km WSW	Recorded	1	Explosion	Airburst	N/K	15-Nov, 19:19
	2-4km WSW	Recorded	1	Explosion	Undetermined	N/K	15-Nov, 19:19
	2-4km WSW	Recorded	1	Explosion	Undetermined	N/K	15-Nov, 19:21
	2-4km WSW	Recorded	1	Explosion	Airburst	N/K	15-Nov, 19:21
	1-2km WSW	Recorded	1	Projectile	NNE to SSW	N/K	15-Nov, 19:36
	1-2km WSW	Recorded	2	Projectile	NE to SW	N/K	15-Nov, 20:52
	1-2km W	Recorded	1	Projectile	NE to SW	N/K	15-Nov, 22:37
	2-4km W	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 18:39
	2-4km W	Recorded	2	Muzzle flash		N/K	16-Nov, 18:45
	2-4km W	Recorded	2	Explosion	Undetermined	N/K	16-Nov, 18:45
SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	2-4km WSW	Recorded	5	Muzzle flash		N/K	16-Nov, 18:51
	3-5km WNW	Recorded	46	Projectile	S to N (assessed as outside the disengagement area)	N/K	15-Nov, 23:58
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km N	Recorded	28	Projectile	E to W	N/K	15-Nov, 19:08
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	15-Nov, 19:21
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	15-Nov, 19:21
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	15-Nov, 19:30
	3-5km N	Recorded	3	Projectile	WSW to ENE	N/K	15-Nov, 20:02
	3-5km N	Recorded	6	Projectile	WSW to ENE	N/K	15-Nov, 20:03
	3-5km N	Recorded	12	Projectile	WSW to ENE	N/K	15-Nov, 20:04
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	15-Nov, 20:05
	3-5km N	Recorded	11	Projectile	WSW to ENE	N/K	15-Nov, 20:06
	3-5km N	Recorded	8	Projectile	WSW to ENE	N/K	15-Nov, 20:18
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	15-Nov, 20:31
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	15-Nov, 22:00
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	15-Nov, 22:03
	2-4km NNE	Recorded	10	Projectile	SW to NE	N/K	15-Nov, 22:07
	4-6km N	Recorded	15	Projectile	SE to NW	N/K	16-Nov, 17:28
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	16-Nov, 17:29
	4-6km N	Recorded	3	Projectile	WSW to ENE	N/K	16-Nov, 17:30
	4-6km N	Recorded	3	Projectile	SE to NW	N/K	16-Nov, 17:45
	4-6km N	Recorded	1	Projectile	SW to NE	N/K	16-Nov, 17:45
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	16-Nov, 17:46
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	16-Nov, 18:18
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	16-Nov, 18:19
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	16-Nov, 18:20
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	16-Nov, 18:23
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 18:23

<sup>8</sup> The table only includes ceasefire violations directly observed by SMM patrols or recorded by the SMM cameras, 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 technical monitoring officers, 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 technical limitations and/or other considerations. Ceasefire violations recorded by more than one patrol/camera and assessed to be the same are entered only once.

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	16-Nov, 18:35
	4-6km N	Recorded	4	Projectile	ESE to WNW	N/K	16-Nov, 18:47
	3-5km SE	Recorded	1	Projectile	NNW to SSE	N/K	16-Nov, 18:12
	3-5km SE	Recorded	5	Projectile	SSW to NNE	N/K	16-Nov, 18:13
	3-5km SE	Recorded	1	Projectile	NNW to SSE	N/K	16-Nov, 18:13
3-5km SE	Recorded	2	Projectile	NNW to SSE	N/K	16-Nov, 18:14	
About 2km SSE of Kamianka (government-controlled, 20km N of Donetsk)	2km S	Heard	1	Explosion	Undetermined	N/K	16-Nov, 08:55
SE edge of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SE	Heard	1	Explosion	Undetermined	N/K	16-Nov, 08:54
E part of Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SE	Heard	1	Explosion	Undetermined	N/K	16-Nov, 10:35
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	16-Nov, 10:45
About 1km NW of Verkhnotoretske (government-controlled, 23km NE of Donetsk)	2-3km E	Heard	5	Shot		Small arms	16-Nov, 11:45-11:55
About 1km W of Kodema (government-controlled, 57km NE of Donetsk)	4-5km W	Heard	4	Explosion	Undetermined	N/K	16-Nov, 12:56-12:57
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	16-Nov, 13:21
Boikivske (formerly Telmanove, non-government-controlled, 67km SE of Donetsk).	2-3km E	Heard	6	Explosion	Undetermined	N/K	16-Nov, 10:10
About 500m NE of Lebedynske (government-controlled, 99km S of Donetsk)	2-3km ENE	Heard	6	Burst		HMG	16-Nov, 11:54
	3-4km ENE	Heard	2	Explosion	Undetermined	N/K	16-Nov, 11:59
	2-3km ENE	Heard	5	Burst		Small arms	16-Nov, 12:06-12:10
Orlivske (government-controlled, 82km S of Donetsk)	3-5km E	Heard	3	Burst		Small arms	16-Nov, 12:12
	5-6km NNE	Heard	25	Explosion	Undetermined	N/K	16-Nov, 12:30-12:36
Pavlopil (government-controlled, 84km S of Donetsk)	2-3km N	Heard and saw	1	Explosion	Undetermined	N/K	16-Nov, 13:30
N edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km SSE	Heard	9	Burst	Outgoing	HMG	15-Nov, 23:05
	3-5km SSE	Heard	3	Burst	Outgoing	HMG	15-Nov, 23:12
	3-5km SSE	Heard	8	Burst	Outgoing	HMG	16-Nov, 02:19
About 700m NE of the eastern edge of Katerynivka (government-controlled 64km west of Luhansk)	2-3km E	Heard	3	Explosion	Undetermined (Assessed as outside the disengagement near Zolote)	N/K	16-Nov, 11:19
	2-3km E	Heard	1	Burst	Undetermined (Assessed as outside the disengagement near Zolote)	HMG	16-Nov, 11:19
Zolote (government-controlled, 60km west of Luhansk)	3-4km SSW	Heard	7	Explosion	Undetermined (Assessed as inside the disengagement area)	N/K	16-Nov, 12:45-12:56
N edge of Orikhove (government-controlled, 57km north-west of Luhansk)	1.5-2km E	Heard	5	Burst	Undetermined	Small arms	16-Nov, 10:48
	1.5-2km E	Heard	1	Explosion	Undetermined	N/K	16-Nov, 10:48
About 300m N of the western edge of Staryi Aidar (government-controlled, 20km north-west of Luhansk)	10-15km WSW	Heard	3	Explosion	Undetermined	N/K	16-Nov, 12:52-12:53
About 700m N of Pervomaisk (non-government-controlled, 58 km W of Luhansk)	8-10km N	Heard	4	Explosion	Undetermined	N/K	16-Nov, 10:43-11:01
	3-5km N	Heard	3	Explosion	Undetermined (Assessed as outside the disengagement near Zolote)	N/K	16-Nov, 10:43-11:01
	3-5km N	Heard	6	Explosion	Impact (Assessed as outside the disengagement near Zolote)	AGL	16-Nov, 11:18
	15-18km N	Heard	7	Explosion	Undetermined	N/K	16-Nov, 12:05
E part of Pervomaisk (non-government-controlled, 58 km W of Luhansk)	8-10km S	Heard	15	Burst	Undetermined	HMG	16-Nov, 13:17
Pervomaisk (non-government-controlled, 58 km W of Luhansk)	8-12km SW	Heard	8	Explosion	Undetermined	N/K	16-Nov, 12:40-12:54
Zolote-5/Mykhailivika (non-government-controlled, 61km north-west of Luhansk)	5-6km N	Heard	13	Explosion	Undetermined (Assessed as outside the disengagement near Zolote)	N/K	16-Nov, 09:52-10:05
	5-6km N	Heard	6	Burst	Undetermined (Assessed as outside the disengagement near Zolote)	HMG	16-Nov, 09:52-10:05
	4-5km NE	Heard	3	Shot	Undetermined (Assessed as outside the disengagement near Zolote)	Small arms	16-Nov, 09:52-10:05
	4-5km NE	Heard	4	Shot	Undetermined (Assessed as outside the disengagement near Zolote)	Small arms	16-Nov, 10:15
NW edge of Holubivka (non-government-controlled, 51 km West of Luhansk)	8-10km NNE	Heard	3	Explosion	Undetermined	N/K	16-Nov, 12:30-12:32

<b>SMM position</b>	<b>Event location</b>	<b>Means</b>	<b>No.</b>	<b>Observation</b>	<b>Description</b>	<b>Weapon</b>	<b>Date, time</b>
	8-10km WSW	Heard	13	Explosion	Undetermined (Assessed as outside the disengagement near Zolote)	N/K	16-Nov, 12:34-12:43
	8-10km WSW	Heard	18	Explosion	Undetermined (Assessed as outside the disengagement near Zolote)	N/K	16-Nov, 12:44-12:57
	10-12km SW	Heard	2	Explosion	Undetermined	N/K	16-Nov, 13:00-13:05