

Daily Report 276/2021

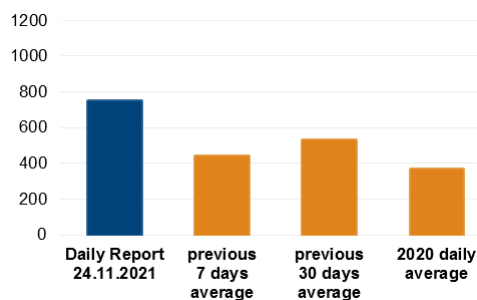
24 November 2021¹

Summary

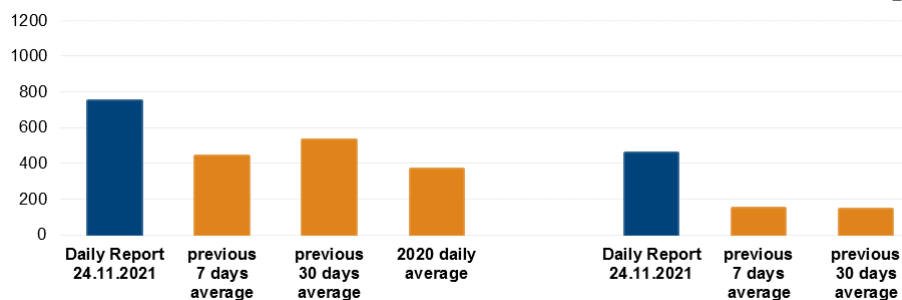
- In Donetsk region, the SMM recorded 376 ceasefire violations, including 230 explosions, eight of which were assessed as a live-fire training exercise outside of the security zone. In the previous reporting period, it recorded 163 ceasefire violations in the region.
- In Luhansk region, the Mission recorded 372 ceasefire violations, including 230 explosions. In the previous reporting period, it recorded 36 ceasefire violations in the region.
- Members of the armed formations denied the SMM passage towards non-government-controlled areas near Zolote, Stanytsia Luhanska, and Molodizhne, Luhansk region.*
- Ceasefire violations occurred close to an SMM patrol near Molodizhne, Luhansk region.
- The Mission continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske. It recorded ceasefire violations inside the disengagements area near Zolote and Petrivske.
- The SMM continued to facilitate the operation of critical civilian infrastructure.
- The Mission continued following up on the situation of civilians, including at three entry-exit checkpoints and the three corresponding checkpoints of the armed formations in Luhansk region.
- The SMM monitored the security situation in southern Kherson region.
- The Mission monitored a gathering in Chernivtsi.
- The SMM's freedom of movement continued to be restricted, including at checkpoints of the armed formations near Zaichenko, Oleksandrivske and Novoazovsk Donetsk region and near the disengagement area near Petrivske. Its unmanned aerial vehicles again experienced multiple instances of probable jamming.*

Ceasefire violations²

Number of recorded ceasefire violations³



Number of recorded explosions⁴



¹ Based on information from the Monitoring Teams as of 19:30, 23 November 2021. All times are in Eastern European Time.

² For a complete breakdown of ceasefire violations, please see the annexed table. During the reporting period, weather conditions limited the observation capabilities of some of SMM cameras.

³ Including explosions.

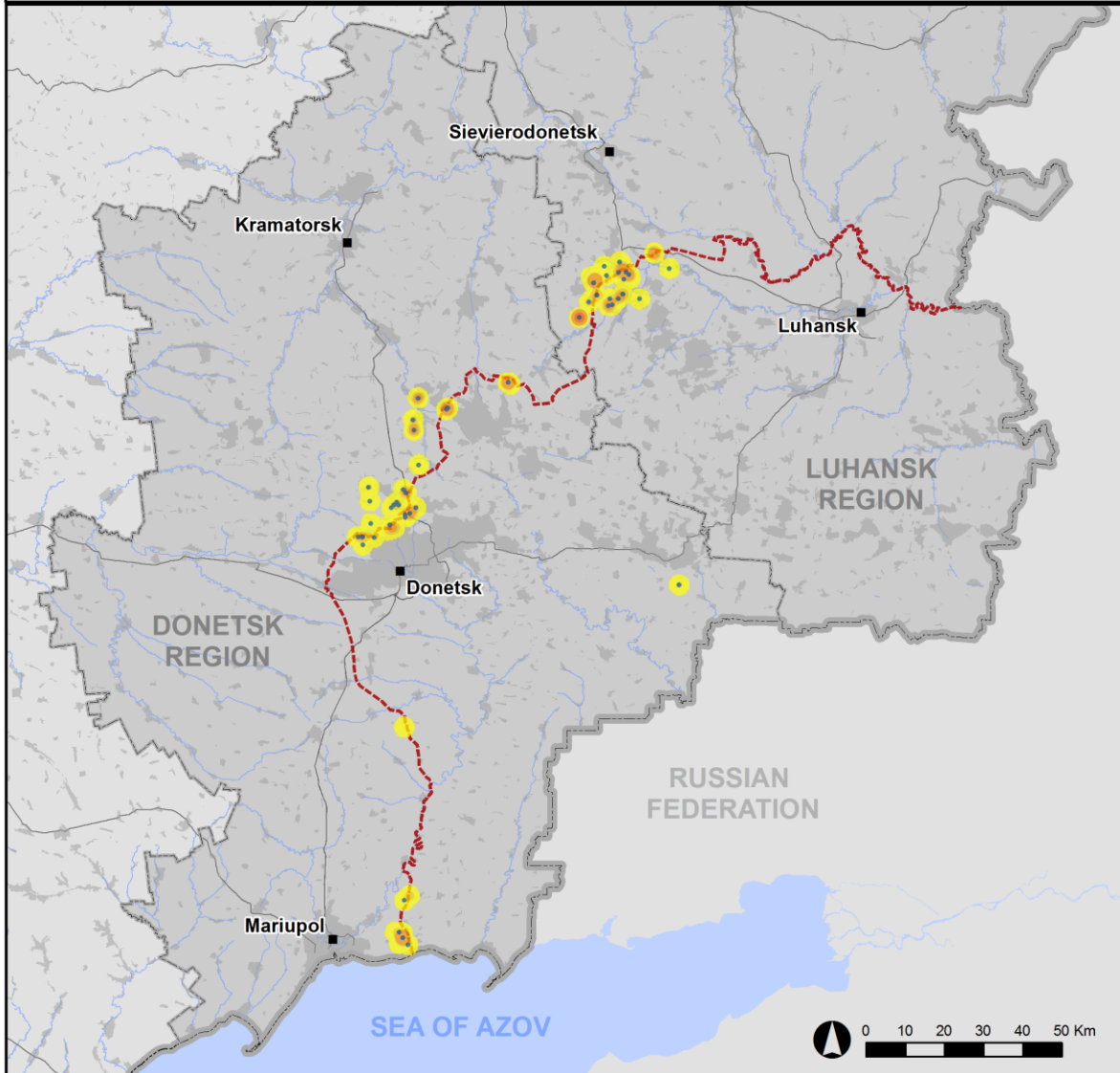
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

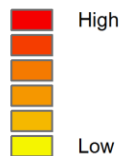


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 23 November 2021



Ceasefire violation concentration



- Explosion
- Settlement
- Estimated line of contact

Sources: Administrative Boundaries - OCHA; Roads, Rivers - OpenStreetMap; Sea - VLIZ (2005). IHO Sea Areas; Other - OSCE.

Coordinate System: WGS 1984 UTM Zone 37N

This map is provided for illustrative purposes only. Its content is not warranted to be error-free and does not imply endorsement or acceptance by the OSCE SMM.

© OSCE SMM 2019 Use, copy, reproduction, transmission, broadcasting, sale, license, or exploitation not permitted without OSCE prior written authorization.

Created: 24/11/2021

In Donetsk region, the SMM recorded 376 ceasefire violations, including 230 explosions (one impact, 27 airbursts and 222 undetermined), the majority of which occurred in areas north of Shyrokyne (government-controlled, 100km south of Donetsk), west-south-west of Svitlodarsk (government-controlled, 57km north-east of Donetsk), west-north-west of Horlivka (non-government-controlled, 39km north-east of Donetsk), and west of Yasynuvata (non-government-controlled, 16km north-east of Donetsk). Additionally, the Mission also heard eight undetermined explosions north-west of Marynivka (non-government-controlled, 78km east of Donetsk), assessed as a live-fire training exercise outside the security zone. In the [previous reporting period](#), the Mission recorded 163 ceasefire violations in the region, some of which also occurred in areas north of Shyrokyne.

In Luhansk region, the SMM recorded 372 ceasefire violations, including 230 explosions (two impacts and 228 undetermined), the majority of which occurred in areas near the disengagement area near Zolote (government-controlled, 60km west of Luhansk) (see below). In the [previous reporting period](#), the Mission recorded 36 ceasefire violations in the region, almost all of which also occurred in areas close to the disengagement area near Zolote.

Following agreement reached at the meeting of the Trilateral Contact Group on 22 July 2020 regarding Measures to strengthen the ceasefire, from 00:01 on 27 July 2020 until the end of the reporting period, the SMM has recorded at least 83,820 ceasefire violations in both Donetsk and Luhansk regions (including 23,339 explosions, 19,809 projectiles in flight, 393 muzzle flashes, 357 illumination flares and at least 39,922 bursts and shots).

Members of the armed formations in Luhansk region denied the SMM passage towards non-government-controlled areas near Zolote, Stanytsia Luhanska, and Molodizhne

Between 09:45 and 10:00 on 23 November, an SMM patrol consisting of two vehicles and five people arrived from government-controlled areas. About 350m north of the southern edge of the disengagement area near Zolote (government-controlled, 60km west of Luhansk) while en route to non-government-controlled areas, two members of the armed formations (wearing armbands with “JCCC” written on them) denied the Mission passage, citing “orders from their superiors”. At 10:05, the patrol left the area and proceeded towards Popasna (government-controlled, 69km west of Luhansk).*

At 10:18 on 23 November, a second SMM patrol consisting of three vehicles and eight people arrived at the northern edge of the disengagement area near Stanytsia Luhanska (government-controlled, 16km north-east of Luhansk), after which the patrol members proceeded towards the Stanytsia Luhanska bridge (15km north-east of Luhansk). At 10:59, at the checkpoint south of the Stanytsia Luhanska bridge, a member of the armed formations denied one patrol member, who intended to cross to non-government-controlled areas, passage, citing a “need for permission” from those in control in non-government-controlled areas of Luhansk region. At 11:00, the patrol left the area and returned to Stanytsia Luhanska.*

Between 11:42 and 11:57, a third SMM patrol consisting of two vehicles and five people arrived from government-controlled areas at a checkpoint on road T-0504 about 1.5km south-west of Molodizhne (non-government-controlled, 63km north-west of Luhansk) to travel to non-government-controlled areas. At the checkpoint, a member of the armed formations denied the Mission passage, citing “orders from his superiors”. At 12:04, the patrol left the checkpoint and proceeded towards Popasna (government-controlled, 69km west of Luhansk). (See [SMM Spot Report 27/2021 of 23 November 2021](#)).*

Ceasefire violations occurred close to an SMM patrol near Molodizhne, Luhansk region

From 10:55 to 12:03, while positioned about 2km south-west of Molodizhne (non-government-controlled, 63km north-west of Luhansk), the SMM heard one undetermined explosion and 20 single shots of small-arms fire, at an assessed range of 3-4km north-north-east of its position. At 12:05, the SMM heard the sound of a projectile passing overhead. The SMM immediately left the area.

Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske⁵

Inside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the Mission saw four members of the armed formations (wearing armbands with “JCCC” written on them) south of the repaired span of the Stanytsia Luhanska bridge (15km north-east of Luhansk).

Outside the disengagement area, at a previously reported position of the armed formations about 130m south-south-east of the area’s south-eastern edge, just north of the Prince Ihor Monument, the SMM observed four members of the armed formations digging the ground with shovels, assessed as making reinforcements to their positions. (For previous observations in the area, see [SMM Daily Report of 23 November 2021](#)).

During the reporting period, the SMM camera in Zolote (government-controlled, 60km west of Luhansk) recorded 22 projectiles in flight, assessed as inside the **disengagement area near Zolote**. During the same period, SMM patrols heard 15 undetermined explosions assessed as inside the area and two undetermined explosions unable to be assessed either inside or outside of the area. It also heard 7 undetermined explosions and 60 shots and bursts of heavy-machine-gun fire assessed as outside the area but within 5 km of its periphery.

While positioned inside the area, about 1km south of the its northern edge, the Mission again saw a metal box on the western edge of the road about 130m south-south-east of the railway bridge, and again saw a camera, wrapped in camouflage fabric, attached to a tree about 20m west of road T-1316. While on the railway bridge, the SMM saw two cables laid across the railway tracks, assessed as communication lines and assessed as belonging to the Ukrainian Armed Forces. About 600m north of the area’s southern edge, the Mission again observed one wooden box on the western edge of road T-1316. About 450m north of the area’s southern edge, the SMM also again observed a wooden crate and two metal boxes placed across road T-1316. All these boxes were assessed as ammunition boxes. Also about 600m north of the area’s southern edge, the Mission again saw many small metal spikes strewn on both sides of road T-1316. About 570m north of the area’s southern edge, the SMM again saw one anti-personnel mine (MON-50, without fuse) on the western edge of road T-1316, assessed as belonging to the armed formations. (For previous observations in the area, see [SMM Daily Reports of 13 November 2021](#), [22 November 2021](#) and [23 November 2021](#).)

Near the checkpoint of the armed formations south of the disengagement area, the SMM saw three members of the armed formations (wearing armbands with “JCCC” written on them). The Mission again saw the seven previously observed containers located south of the area’s

⁵ Disengagement is foreseen in the Framework Decision of the Trilateral Contact Group relating to disengagement of forces and hardware of 21 September 2016.

southern edge and inside the disengagement area. It saw that the previously reported road barriers across road T-1316, on the area's southern edge, continued to be closed.

An SMM mini-unmanned aerial vehicle (UAV) experienced GPS signal interference, assessed as caused by probable jamming while flying over the disengagement area near Zolote (government-controlled, 60km west of Luhansk).*

During the reporting period, the SMM camera 2km east of Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded one projectile in flight, assessed as inside the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk).*

Withdrawal of weapons

The SMM continued to monitor the withdrawal of weapons in implementation of the Memorandum and the Package of Measures and its Addendum.

Beyond withdrawal lines but outside designated storage sites, the Mission observed 18 tanks in two training areas in non-government-controlled areas of Donetsk and Luhansk regions. (For further information, see the table below.)

Indications of military and military-type presence in the security zone

The SMM observed two armoured combat vehicles (including one probable) and an anti-aircraft gun in government-controlled areas of Donetsk region. (For further information, see the table below.)

While positioned on the western outskirts of Yasynuvata (non-government-controlled, 16km north-east of Donetsk), the Mission also saw a non-SMM UAV flying over positions of the armed formations, about 3km south-west of its position.

SMM facilitation of the operation of critical civilian infrastructure

The Mission continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk) (DFS). While positioned at four locations near the DFS, the SMM heard 68 ceasefire violations, including 25 airbursts and 36 undetermined explosions, assessed as within a 5km radius of the DFS.

The Mission also monitored the security situation close to the pumping station near Vasylivka (non-government-controlled, 20km north of Donetsk).

Situation at entry-exit checkpoints and corresponding checkpoints

In Luhansk region, the SMM observed that the entry-exit checkpoint (EECP) near Stanytsia Luhanska and the corresponding checkpoint of the armed formations south of the Stanytsia Luhanska bridge were open, with people queuing to travel in both directions.

While at the latter checkpoint, the SMM observed a man (age unknown) pulling a coffin on a cart, from government-controlled to non-government-controlled areas before loading it into a

vehicle. The Mission also saw another man (age unknown) pulling a second coffin from government to non-government-controlled areas.

The SMM noted that the EECPs near Zolote and Shchastia (government-controlled, 20km north of Luhansk) were open, but that the corresponding checkpoints of the armed formations south of the disengagement area near Zolote and 3km south-east of the bridge in Shchastia were closed.

Along road T-1316, between the EECP near Zolote and the following intersection, on the eastern side of the road, the Mission observed continuing ground works involving about 17 workers, some of whom were operating machinery. (For previous observations in the area, see [SMM Daily Report of 23 November 2021](#).)

Border areas outside government control⁶

While at a border crossing point near Marynivka (78km east of Donetsk), for about 30 minutes, the SMM observed ten cars (including six with “DPR” plates and one with “LPR” plates), one covered cargo truck (with “DPR” plates), seven buses (with “DPR” plates), and 15 people (seven women and seven men, mixed ages and one child) entering Ukraine and 11 cars (including nine with “DPR” plates), one covered cargo truck (with “DPR” plates) and one bus (with “DPR” plates) exiting Ukraine.

While at a border crossing point near Uspenka (73km south-east of Donetsk), for about 40 minutes, the Mission saw seven cars (including five with “DPR” plates), six covered cargo trucks (with “DPR” plates), one bus (with “DPR” plates, carrying passengers of mixed genders and ages), and 47 people (29 women and 18 men, mixed ages) entering Ukraine and four trucks (two with open cargo and two with open flatbed, all empty and with “DPR” plates), and 13 people (eight women and three men, mixed ages) exiting Ukraine.

The SMM also monitored areas close to the border with the Russian Federation in Semenivske (73km east of Donetsk), Hryhorivka (75km east of Donetsk), Oleksiivske (74km east of Donetsk), Velyke Mishkove (58km east of Donetsk), Ovocheve (60km east of Donetsk), Karpovo-Nadezhdynka (61km east of Donetsk) and observed no change in the security situation.

Security situation in southern Kherson region

On 23 November, the SMM monitored areas in southern Kherson region along the Black Sea coast near Lazurne (62km south of Kherson) and Novosofiivka (53km south of Kherson) and observed no change in the security situation.

SMM monitored a gathering in Chernivtsi

On 22 November 2021, on and near Central Square in Chernivtsi, the SMM observed a gathering of about 320 people (mixed genders and ages), some of whom were releasing balloons and shooting blank ammunition into the air. The Mission also observed participants observing a minute of silence, reportedly to commemorate soldiers of the Ukrainian Armed

⁶ According to decisions in 2014 by the Cabinet of Ministers of Ukraine, operations are officially designated as suspended at these and other border crossing points located outside government control.

Forces fallen in the conflict-affected areas in eastern Ukraine. The Mission saw about 110 soldiers of the Ukrainian Armed Forces marching from Soborna Square to Central Square, and to the main building of the Chernivtsi National University. It observed the presence of nine law enforcement officers and a calm situation.

The SMM continued monitoring in Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Dnipro and Kyiv.

***Restrictions of the SMM's freedom of movement or other impediments to fulfilment of its mandate**

The SMM's monitoring and freedom of movement are restricted by security hazards and threats, including risks posed by mines, unexploded ordnance (UXO) and other impediments – which vary from day to day. The SMM's mandate provides for safe and secure access throughout Ukraine. All signatories of the Minsk agreements have agreed on the need for this safe and secure access, that restriction of the SMM's freedom of movement constitutes a violation, and on the need for rapid response to these violations. They have also agreed that the Joint Centre for Control and Co-ordination (JCCC) should contribute to such response and co-ordinate mine clearance. Nonetheless, the armed formations in parts of Donetsk and Luhansk regions frequently deny the SMM access to areas adjacent to Ukraine's border outside control of the government (for example, see [SMM Daily Report of 23 November 2021](#)). The SMM's operations in Donetsk and Luhansk regions remain restricted following [the fatal incident of 23 April 2017 near Pryshyb](#); these restrictions continued to limit the Mission's observations.

Denials:

- At a checkpoint near Zaichenko (non-government-controlled, 93km south of Donetsk), a member of the armed formations again denied the Mission passage, this time towards Pikuzy (formerly Kominternove, non-government-controlled, 92km south of Donetsk) and Sakhanka (non-government-controlled, 97km south of Donetsk), citing “demining activities” in the area.
- At a checkpoint near Oleksandrivske (formerly Rozy Liuksemburh, non-government-controlled, 90km south-east of Donetsk), two members of the armed formations (one of whom visibly armed) denied the Mission passage into the settlement citing “ongoing training activities” in the area.
- At a checkpoint of the armed formations near Novoazovsk (non-government-controlled, 102km south-east of Donetsk), two members of the armed formations (one of whom visibly armed) denied the Mission passage south toward Siedove (non-government-controlled, 106km south of Donetsk), citing “orders from those in control”.

Regular restrictions related to disengagement areas and mines/UXO:

- The sides continued to deny the SMM full access, as well as the ability to travel certain roads previously identified as important for effective monitoring by the Mission and for civilians' movement, through failure to conduct comprehensive clearance of mines, UXO and other obstacles.

Delay:

- At a checkpoint about 2.5km north of Petrivske (non-government-controlled, 41km south of Donetsk), two visibly armed members of the armed formations allowed the SMM passage

south towards the disengagement area near Petrivske only after about 23 minutes of waiting. (For previous observations in the area, see [SMM Daily Report of 19 November 2021](#)).

Other impediments:⁷

- SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming, during 11 flights: seven times over areas near Shumy (government-controlled, 41km north of Donetsk), and once each near Yasynuvata (non-government-controlled, 16km north-east of Donetsk) while conducting an impact site assessment, Orikhove (government-controlled, 57km north-west of Luhansk), Popasna (government-controlled, 69km west of Luhansk), and over the disengagement area near Zolote (government-controlled, 60km west of Luhansk).

⁷ For cases of probable jamming and jamming mentioned in this section, the interference could have originated from anywhere within the radius of tens of kilometres from the UAVs' positions.

Table of weapons

Weapons beyond withdrawal lines but outside designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
Non-government-controlled areas				
23/11/2021	14	Tank (eight T-64 and six T-72)	In a training area near Ternove (57km east of Donetsk)	Patrol
	4	Tank (type undetermined)	In a training area near Shymshynivka (27km south-west of Luhansk)	

Table of military and military-type presence in the security zone⁸

Date	No.	Type	Location	Source of observation
Government-controlled areas				
22/11/2021	1	Probable armoured personnel carrier	Near Vodiane (94km south of Donetsk)	Mini-UAV
23/11/2021	1	Armoured personnel carrier (MT-LB)	Near Yasnobrodivka (25km north-west of Donetsk)	Patrol
	1	Anti-aircraft gun (ZU-23, 23mm)		

⁸ The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

Table of ceasefire violations as of 23 November 2021⁹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time	
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	1-3km SE	Recorded	1	Projectile	SSW to NNE (assessed as inside the disengagement area near Petrivske)	N/K	22-Nov, 20:22	
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km SSW	Recorded	1	Projectile	NW to SE	N/K	22-Nov, 20:08	
	3-4km S	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	22-Nov, 20:08	
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	22-Nov, 23:37	
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km E	Recorded	11	Projectile	WSW to ENE	N/K	22-Nov, 21:58	
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	23-Nov, 17:56	
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-3km W	Recorded	1	Projectile	N to S	N/K	22-Nov, 21:08	
	1-3km W	Recorded	1	Projectile	N to S	N/K	22-Nov, 22:22	
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	22-Nov, 22:41	
	5-7km W	Recorded	1	Explosion	Airburst	N/K	22-Nov, 22:41	
	1-3km W	Recorded	1	Projectile	N to S	N/K	22-Nov, 22:50	
	4-6km W	Recorded	2	Explosion	Undetermined	N/K	22-Nov, 23:18	
	1-3km W	Recorded	1	Explosion	Airburst	N/K	22-Nov, 23:18	
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	22-Nov, 23:19	
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	22-Nov, 23:31	
	4-5km W	Recorded	8	Projectile	N to S	N/K	23-Nov, 16:33	
	SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km N	Recorded	22	Projectile	E to W	N/K	22-Nov, 19:49
		4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	22-Nov, 21:47
4-6km N		Recorded	14	Projectile	E to W	N/K	22-Nov, 21:58	
4-6km N		Recorded	15	Projectile	E to W	N/K	22-Nov, 22:04	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	22-Nov, 22:15	
5-7km N		Recorded	1	Projectile	In vertical flight	N/K	23-Nov, 17:32	
5-7km N		Recorded	1	Illumination flare	In vertical flight	N/K	23-Nov, 17:32	
2-5km NNE		Recorded	2	Explosion	Undetermined	N/K	23-Nov, 17:56	
2-5km NNE		Recorded	2	Explosion	Undetermined	N/K	23-Nov, 17:56	
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)		5-7km WSW	Recorded	2	Projectile	SSE to NNW	N/K	23-Nov, 17:41
About 4km S of Marynivka (non-government-controlled, 78km E of Donetsk)	12-15km NW	Heard	8	Explosion	Undetermined	N/K	23-Nov, 10:11-10:28	
About 2km WNW of Donetsk Railway Station (non-government-controlled, 6km NW of Donetsk city centre)	3-4km NNE	Heard	4	Explosion	Undetermined	N/K	23-Nov, 10:46-10:59	
	2km NNE	Heard	8	Burst		HMG	23-Nov, 10:46-10:59	
	5km NW	Heard	3	Explosion	Undetermined	N/K	23-Nov, 10:59	
	7km W	Heard	7	Burst		Small arms	23-Nov, 11:00	
	10km NNW	Heard	2	Explosion	Undetermined	N/K	23-Nov, 11:38	
	3-4km NE	Heard	15	Shot		Small arms	23-Nov, 12:15-12:27	
About 9km NW of Horlivka (non-government-controlled, 39km NE of Donetsk)	3-4km SW	Heard	10	Explosion	Undetermined	N/K	23-Nov, 10:12-10:32	
	3-4km SW	Heard	4	Explosion	Undetermined	N/K	23-Nov, 10:40-10:56	
	3-5km SW	Heard	23	Explosion	Undetermined	N/K	23-Nov, 11:11-11:14	
	3-4km SW	Heard	4	Explosion	Undetermined	N/K	23-Nov, 11:29-11:31	
About 2.5km NW of Zemlianky (non-government-controlled, 17km NE of Donetsk)	4-7km WSW	Heard	8	Explosion	Undetermined	N/K	23-Nov, 13:20	
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	5km W	Heard	6	Explosion	Undetermined	N/K	23-Nov, 09:42-09:44	
	4-5km NW	Heard	7	Shot		Small arms	23-Nov, 12:04-12:09	
	3km SW	Heard	25	Explosion		N/K	23-Nov, 12:15-12:23	
	5-6km NW	Heard	3	Explosion	Undetermined	N/K	23-Nov, 13:20	
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	5-6km NW	Heard	3	Explosion	Undetermined	N/K	23-Nov, 10:31	
	5-6km NW	Heard	1	Explosion	Undetermined	N/K	23-Nov, 10:41	
	5-6km NW	Heard	3	Explosion	Undetermined	N/K	23-Nov, 11:14	
	5-6km NW	Heard	4	Explosion	Undetermined	N/K	23-Nov, 11:50	

⁹ 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
About 1km NW of Verkhnotoretske (government-controlled, 23km NE of Donetsk)	2-3km W	Heard	2	Explosion	Undetermined	N/K	23-Nov, 10:43
About 2km SE of Yurivka (government-controlled, 35km N of Donetsk)	2-4km W	Heard	14	Burst		HMG	23-Nov, 11:15-11:18
	2-4km W	Heard	6	Explosion	Undetermined	N/K	23-Nov, 11:35-11:39
	2-4km W	Heard	2	Burst		HMG	23-Nov, 11:35-11:39
About 2km WNW of Pisky (government-controlled, 11km NW of Donetsk)	2-5km S	Heard	1	Explosion	Undetermined	N/K	23-Nov, 09:44
	2-3km E	Heard	3	Burst		HMG	23-Nov, 10:49-10:51
About 600m ESE of Pivdenne (formerly Leninske, government-controlled, 40km NE of Donetsk)	5-7km W	Heard	3	Explosion	Undetermined	N/K	23-Nov, 10:30
	5-7km W	Heard	2	Explosion	Undetermined	N/K	23-Nov, 10:40
	5-7km W	Heard	7	Explosion	Undetermined	N/K	23-Nov, 10:47-10:51
	5-7km W	Heard	11	Explosion	Undetermined	N/K	23-Nov, 10:53-10:58
About 2km WSW of Zalizne (formerly Artemove, government-controlled, 42km NE of Donetsk)	5-7km SW	Heard	7	Explosion	Undetermined	N/K	23-Nov, 11:35
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	23-Nov, 11:49
About 2km SSE of Kamianka (government-controlled, 20km N of Donetsk)	3-4km SW	Heard	1	Explosion	Undetermined	N/K	23-Nov, 10:25
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	23-Nov, 10:50
	4-5km SW	Heard	3	Explosion	Undetermined	N/K	23-Nov, 10:51-10:54
	5-6km SW	Heard	3	Explosion	Undetermined	N/K	23-Nov, 10:58-11:00
Krasnohorivka (government-controlled, 24km N of Donetsk)	6-7km SW	Heard	6	Explosion	Undetermined	N/K	23-Nov, 11:35-11:37
	6-7km SW	Heard	2	Burst		HMG	23-Nov, 11:35-11:37
Svitlodarsk (government-controlled, 57km NE of Donetsk)	6-8km WSW	Heard	43	Explosion	Undetermined	N/K	23-Nov, 11:48-11:53
About 2.5km SSE of Lomakyne (government-controlled, 93km S of Donetsk)	4-5km E	Heard	6	Explosion	Undetermined	N/K	23-Nov, 09:39
	3-4km E	Heard	5	Burst		Small arms	23-Nov, 09:50-09:55
About 600m NE of Lebedynske (government-controlled, 99km S of Donetsk)	2-3km ESE	Heard	4	Shot		Small arms	23-Nov, 11:22-11:25
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km ESE	Recorded	1	Projectile	N to S	N/K	23-Nov, 16:17
	2-4km E	Recorded	1	Muzzle flash		N/K	23-Nov, 16:18
	3-5km ESE	Recorded	1	Projectile	N to S (subsequent to previous event)	N/K	23-Nov, 16:18
	3-5km ESE	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	23-Nov, 16:18
	3-5km E	Recorded	1	Muzzle flash		N/K	23-Nov, 16:19
	3-5km ESE	Recorded	1	Projectile	N to S (subsequent to previous event)	N/K	23-Nov, 16:19
	3-5km ESE	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	23-Nov, 16:19
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km ESE	Recorded	22	Projectile	NNW to SSE (assessed as inside the disengagement area near Zolote)	N/K	22-Nov, 19:51
N edge of Popasna (government-controlled, 69km W of Luhansk)	5-8km SE	Heard	2	Explosion	Undetermined	N/K	23-Nov, 00:13-00:16
	5-8km SE	Heard	14	Shot		HMG	23-Nov, 00:13-00:16
	6-8km ENE	Heard	2	Explosion	Undetermined (assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	N/K	23-Nov, 12:59-13:15
	6-8km SSE	Heard	10	Explosion	Undetermined	N/K	23-Nov, 12:59-13:15
Donetskiy (non-government-controlled, 49km W of Luhansk)	8-12km WSW	Heard	15	Explosion	Undetermined (assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	N/K	23-Nov, 12:00-12:05
	8-12km WSW	Heard	8	Burst	Assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	HMG	23-Nov, 12:00-12:05
About 300m N of Holubivka (non-government-controlled, 51km W of Luhansk)	8-12km WSW	Heard	13	Explosion	Undetermined (assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	N/K	23-Nov, 12:15-12:30
	8-10km W	Heard	4	Explosion	Undetermined (assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	N/K	23-Nov, 12:15-12:30
	8-12km WSW	Heard	2	Explosion	Undetermined (assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	N/K	23-Nov, 12:45-12:55
	6-8km SW	Heard	1	Explosion	Undetermined	N/K	23-Nov, 12:45-12:55

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
About 2km E of Popasna (government-controlled, 69km W of Luhansk)	8-10km SSW	Heard	109	Explosion	Undetermined	N/K	23-Nov, 11:41-12:05
	8-10km SSW	Heard	7	Burst	Undetermined	HMG	23-Nov, 11:41-12:05
	6-8km SE	Heard	3	Explosion	Undetermined	N/K	23-Nov, 11:41-12:05
	1-1.5km NNE	Heard	25	Shot	Assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	Small arms	23-Nov, 11:41-12:05
	1-1.5km NNE	Heard	30	Burst	Assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	Small arms	23-Nov, 11:41-12:05
About 2km SW of Molodizhne (non-government-controlled 63km NW of Luhansk)	3-4km NNE	Heard	1	Explosion	Undetermined (assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	N/K	23-Nov, 12:02-12:05
E edge of Pervomaisk (non-government-controlled, 58 km W of Luhansk)	8-10km WSW	Heard	22	Explosion	Undetermined	N/K	23-Nov, 13:04-13:34
About 700m of the northern part of Pervomaisk (non-government-controlled, 58 km W of Luhansk)	3-4km N	Heard	2	Burst	Assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	HMG	23-Nov, 09:38
	2-3km E	Heard	3	Shot	Assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	Small arms	23-Nov, 10:02
Pervomaisk (non-government-controlled, 58km W of Luhansk)	6-8km N	Heard	5	Explosion	Undetermined (assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	N/K	23-Nov, 12:15-12:17
	3-4km SW	Heard	6	Explosion	Undetermined	N/K	23-Nov, 12:15-12:17
SE part of Novotoshkovske (government-controlled, 53km west of Luhansk)	6-8km SE	Heard	4	Explosion	Undetermined	Artillery (type N/K)	23-Nov, 12:05-12:08
	7-10km SW	Heard	2	Explosion	Undetermined (unable to assess whether inside of outside of the disengagement area near Zolote)	Artillery (type N/K)	23-Nov, 12:05-12:08
	1-2km SE	Heard	30	Burst	Undetermined	HMG	23-Nov, 12:05-12:08
N edge of Orikhove (government-controlled, 57km north-west of Luhansk)	6-8km SSW	Heard	15	Explosion	Undetermined (assessed as in inside the disengagement area near Zolote)	Artillery (type N/K)	23-Nov, 12:20-12:30
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	10-12km WNW	Heard	12	Explosion	Undetermined	N/K	23-Nov, 12:20-12:30

Map of Donetsk and Luhansk regions¹⁰



¹⁰ 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: a forward patrol base from which SMM staff have temporarily relocated based on recommendations of security experts from participating States, as well as SMM security considerations. The SMM uses the premises during daylight hours and also patrols in this settlement during daylight hours).