

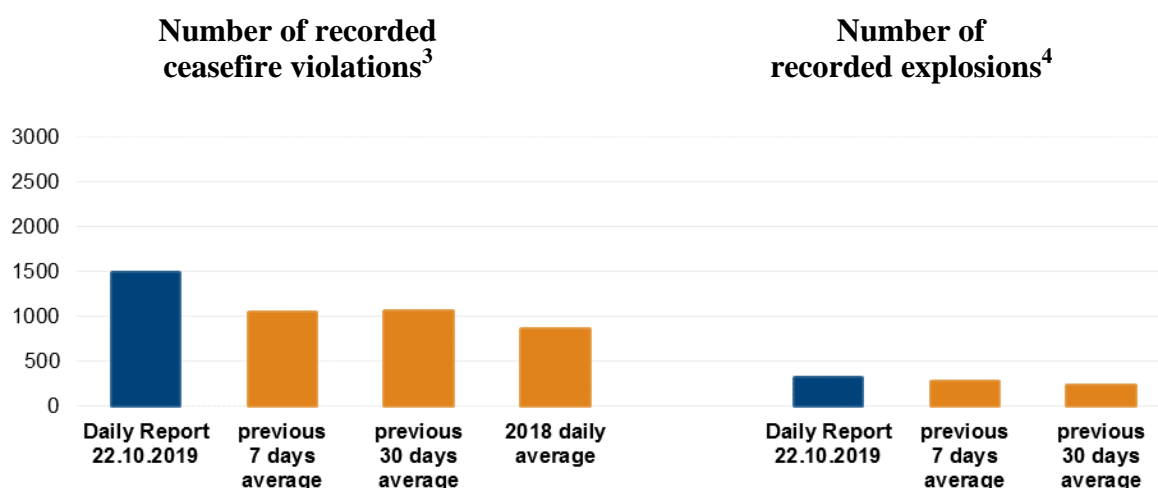
Daily Report 250/2019

22 October 2019¹

Summary

- Compared with the previous 24 hours, the SMM recorded more ceasefire violations in both Donetsk and Luhansk regions.
- The Mission saw damage from gunfire to residential properties in non-government-controlled Dokuchaievsk.
- Inside the Stanytsia Luhanska disengagement area, the SMM continued to observe reconstruction works of the broken section of the bridge. It also observed construction works at a parking lot south of the bridge.
- The Mission continued to observe the clearing of vegetation inside the disengagement area near Zolote. It recorded ceasefire violations near the disengagement area.
- The SMM observed weapons in violation of withdrawal lines in government- and non-government controlled areas of Donetsk and Luhansk regions.
- The Mission monitored adherence to the ceasefire to facilitate the operation of and repairs to critical civilian infrastructure along the contact line.
- Restrictions of the SMM's freedom of movement continued, including at checkpoints near non-government-controlled Zaichenko, Bezimenne, Sosnivske and Shevchenko.

Ceasefire violations²



¹ Based on information from the Monitoring Teams as of 19:30, 21 October 2019. All times are in Eastern European Summer Time.

² For a complete breakdown of ceasefire violations, please see the annexed table. During the reporting period, the SMM camera at the Donetsk Filtration Station was not operational.

³ Including explosions.

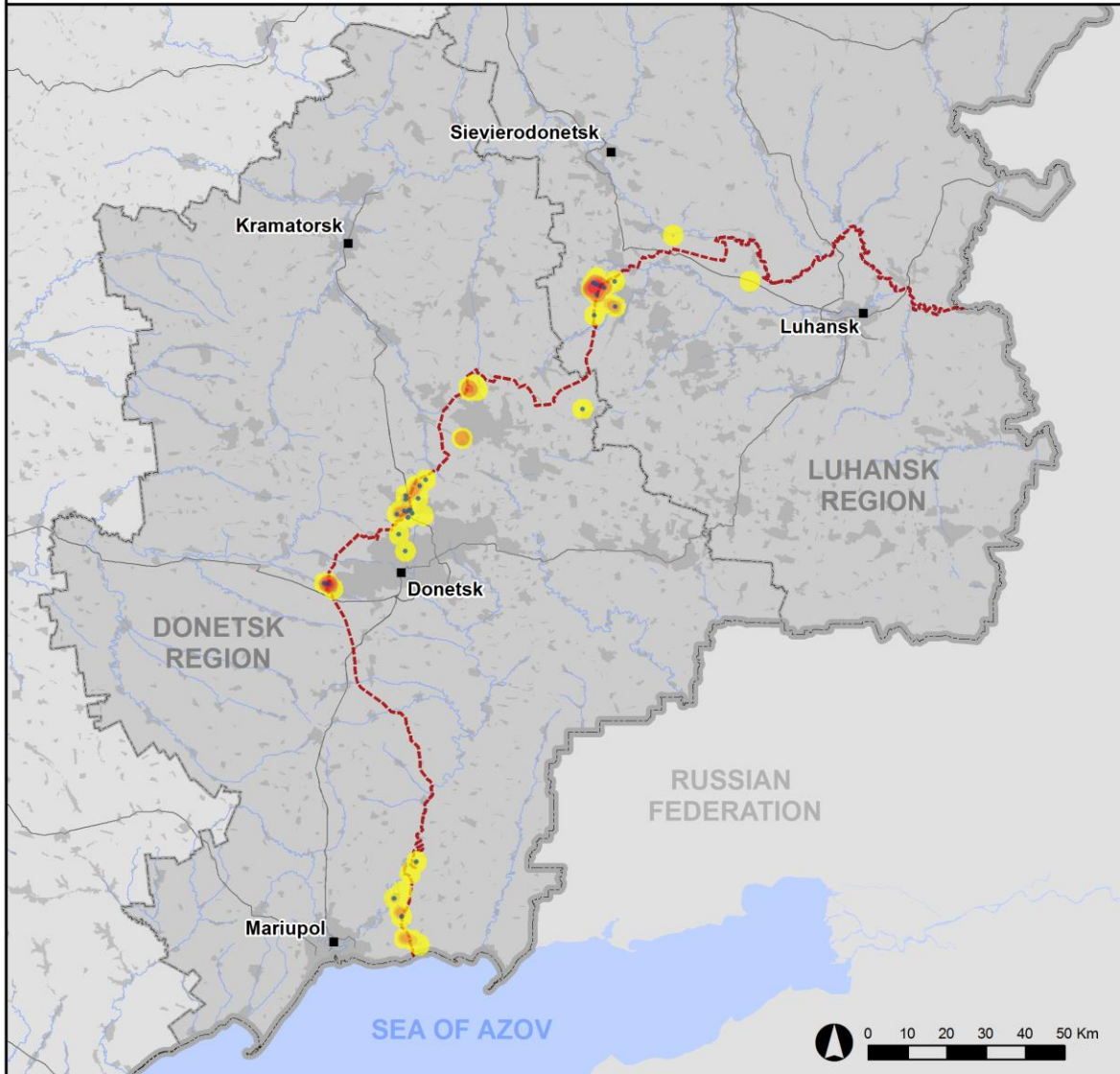
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

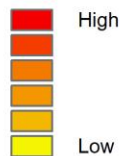


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 21 October 2019



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.

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Created: 22/10/2019

In Donetsk region, the SMM recorded more ceasefire violations, including more explosions (about 80), compared with [the previous 24 hours](#) (about 30 explosions). Almost half of the ceasefire violations were recorded in areas north and north-north-east of Marinka (government-controlled, 23km south-west of Donetsk). The majority of explosions were recorded in areas between Avdiivka (government-controlled, 17km north-east of Donetsk) and Yasynuvata (non-government-controlled, 16km north-east of Donetsk).

In Luhansk region, the Mission recorded more ceasefire violations, including more explosions (about 240), compared with [the previous 24 hours](#) (14 explosions). The majority of ceasefire violations were recorded in areas west and south-west of the disengagement area near Zolote (government-controlled, 60km west of Luhansk) (see below).

Damage from gunfire to residential properties in non-government-controlled Dokuchaievsk

On 21 October, the SMM saw damage to two apartments on Lenina Street in Dokuchaievsk (non-government-controlled, 30km south-west of Donetsk), both located less than 4km from the contact line.

In the bedroom of an apartment located on the fourth floor of a five-storey residential building at 104 Lenina Street, the SMM saw a hole in a double-paned west-south-west-facing window, a smaller hole in the window sill, as well as another hole in the wall opposite of the window. A woman (in her thirties), who introduced herself as a resident of the apartment, told the Mission that she had been in the living room on the evening of 17 October when she heard two loud noises coming from the bedroom.

In the bedroom of an apartment located on the fifth floor of a five-storey residential building at 112 Lenina Street, located about 100m north of the above-mentioned building, the SMM saw a hole in the upper section of the wooden frame of an external south-west-facing balcony window as well as a corresponding hole in a double-paned internal window of the same balcony. It also saw shards of glass on the window sill. A woman and a man (in their fifties), who introduced themselves as residents of the apartment, told the Mission that they had been at home on the evening of 17 October when they heard a loud noise coming from the bedroom.

The Mission assessed the above-mentioned damage as fresh and caused by bullets; however it was unable to determine the type of weapon.

Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske⁵

On 21 October, inside **the disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM saw workers from government-controlled areas repairing two bridge pillars north of the broken section of the Stanytsia Luhanska bridge (15km north-east of Luhansk) and welding metal parts south of it. It saw two trucks which were used to take away rubble from the area. The Mission also saw workers from non-government-controlled areas and a tractor preparing the area of the parking lot south-east of the checkpoint of the armed formations south of the bridge to lay a new layer of tarmac.

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

The SMM saw nine members of the armed formations (wearing armbands with “JCCC” written on them) between the southern part of the broken section of the bridge and the above-mentioned checkpoint. The Mission also saw four deminers from the non-government-controlled areas clearing vegetation on the western side of the road, about 250m south-east of the checkpoint.

On the night of 20-21 October, the SMM camera in **Zolote** recorded five airbursts at an assessed range of 3-5km south. The SMM was unable to assess if they occurred inside or outside the disengagement area. On the same night, the SMM camera in Popasna (government-controlled, 69km west of Luhansk) recorded 37 explosions (21 undetermined, 12 impacts and four airbursts) and 60 projectiles in flight, all at an assessed range of 2-6km east and east-south-east, and the SMM heard 68 undetermined explosions and about 240 bursts and shots of automated-grenade-launcher and small-arms fire, all at east-south-easterly directions at an assessed range of 4-6km. All these ceasefire violations were assessed as outside the disengagement area but within its 5km periphery.

On 21 October, the Mission continued to see at least 50 Ukrainian Armed Forces personnel clearing and burning vegetation on both sides of road T-1316, up to about 750m south of the disengagement area’s northern edge.

On 18 and 19 October, inside **the disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk), an SMM mini-unmanned aerial vehicle (UAV) [again](#) spotted a heavy machine gun (probable DShK 12.7mm) and ammunition crates about 5m south of the northern edge of the area and about 390m west of its eastern edge, assessed as belonging to the armed formations. On the same days, an SMM mini-UAV also spotted up to ten people in military-style clothing in a position between 50m and 150m north of the southern edge of the disengagement area and about 120m west of its eastern edge (additionally, on 18 October it saw a black-blue-and-red flag used by the armed formations near this position). On 20 October, an SMM mini UAV spotted seven people, assessed as Ukrainian Armed Forces personnel, in a position about 560m south of the area’s northern edge and about 2km east of its western edge.

During the day on 21 October, positioned about 500m east of Bohdanivka (government-controlled, 41km south-west of Donetsk), outside the Petrivske disengagement area, the Mission saw an engineering unit of the Ukrainian Armed Forces inspecting a field near a road leading to Viktorivka (non-government-controlled, 42km south-west of Donetsk) for mines.

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.

The Mission observed 24 weapons in violation of withdrawal lines on both sides of the contact line. It also observed 93 weapons beyond withdrawal lines but outside of designated storage sites on both sides of the contact line in Donetsk and Luhansk regions (for further details, see the tables below).

Permanent storage site

At a permanent storage site in a non-government-controlled area of Luhansk region
21 October

The SMM noted that all weapons previously observed at the site were present.

Indications of military presence in the security zone⁶

The SMM observed military presence near residential areas in government-controlled areas, including armoured reconnaissance and armoured infantry vehicles (for more details, see the table below).

A crater and unexploded ordnance (UXO) near Molodizhne; UXO near Tonenke and Tavrycheske; and an anti-tank mine near Verkhnoшыrovkivske

The SMM saw for the first time a fresh crater on road T-0504, about 130m east of a checkpoint of the armed formations 1.5km south-west of Molodizhne (non-government-controlled, 63km north-west of Luhansk). It saw an object embedded in the crater, which it assessed as a 120mm mortar tailfin (for previous observations in the area, see [SMM Daily Report 1 October 2019](#)).

The Mission also saw for the first time six metal objects, assessed as UXO, embedded in roads C051802 and C051803 between Tonenke (government-controlled, 19km north-west of Donetsk) and Pervomaiske (government-controlled, 17km north-west of Donetsk), as well as an anti-tank mine (TM-62) lying in a field north of the road between Verkhnoшыrovkivske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk) and Pyshechyk (government-controlled, 84km south of Donetsk), about 2.5km north-west of Verkhnoшыrovkivske.

The SMM also [again](#) saw a 120mm mortar round embedded in the asphalt in the middle of road T-0519 close to Tavrycheske (non-government-controlled, 76km south of Donetsk), about 200m north of the nearest houses. It saw that previously observed hazard signs and markings around the UXO were no longer present.

SMM facilitation of operation of and repairs to civilian infrastructure

The SMM monitored adherence to the ceasefire to facilitate repairs to power lines servicing the Petrivske pumping station near Artema (government-controlled, 26km north of Luhansk).

The Mission continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk) and monitor the security situation in the area of the pumping station near Vasylivka (non-government-controlled, 20km north of Donetsk).

Border area outside government control

On 21 October, while at a border crossing point near Marynivka (78km east of Donetsk) for an hour, the SMM saw ten cars (five with Ukrainian and three with Russian Federation license plates, and two with “DPR” plates) and a bus with “DPR” plates entering Ukraine. It also saw 26 cars (nine with Ukrainian and ten with Russian Federation licence plates, and seven with “DPR” plates), four covered cargo trucks with Ukrainian licence plates and two buses with “DPR” plates exiting Ukraine.

⁶ The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

The SMM continued monitoring in Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Dnipro, Chernivtsi 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, 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 Package of Measures 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 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 16 October 2019](#)). 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 of access:

- At a checkpoint north of Zaichenko (non-government-controlled, 93km south of Donetsk), two members of the armed formations [again](#) denied the SMM passage towards Sakhanka (non-government-controlled, 97km south of Donetsk), citing “demining activities”.
- At a checkpoint west of Bezimenne (non-government-controlled, 100km south of Donetsk), three members of the armed formations denied the SMM passage citing “security issues”.
- At the eastern entrance to Sosnivske (non-government-controlled, 78km south of Donetsk), a member of the armed formations denied the SMM access to the village, citing “kinetic activities in the area”.
- At the eastern entrance to Shevchenko (non-government-controlled, 69km south of Donetsk), two members of the armed formations asked the SMM to provide its patrol plan. When the Mission refused to present it, its passage was denied.

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.

Other impediments:

- On the night of 20-21 October, an SMM long-range UAV lost its GPS signal due to signal interference, assessed as caused by probable jamming, while flying: between Kostiantynivka (government-controlled, 60km north of Donetsk) and the destroyed Donetsk International airport (8km north-west of Donetsk); between Ukrainsk (government-controlled, 34km west of Donetsk) and Pobeda (government-controlled, 27km west of Donetsk); and near Ocheretyne (government-controlled, 31km north-west of Donetsk). The same UAV also experienced dual GPS signal interference,

assessed as caused by jamming, while flying between the destroyed Donetsk International airport and Ukrainsk.⁷

- On 21 October, an SMM mini UAV [again](#) experienced signal interference, assessed as due to probable jamming, on two occasions while flying over areas near Yakovlivka (non-government-controlled, 10km north of Donetsk).
- On 21 October, while conducting a mini UAV flight about 1.5km north of Petrivske (non-government-controlled, 41km south of Donetsk), the UAV experienced signal interference, assessed as probable jamming. Soon thereafter, the SMM lost control of the UAV when it was about 1.7km south-west of the patrol's location. The Mission was unable to recover the UAV.

Table of weapons

Weapons in violation of the withdrawal lines

Date	No.	Type	Location	Source of observation
Government-controlled areas				
20/10/2019	1	Surface-to-air missile system (9K35 <i>Strela-10</i>)	In a residential area in Pobeda (27km west of Donetsk)	Long-range UAV
Non-government-controlled areas				
19/10/2019	2	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)	In a training area near Ternove (57km east of Donetsk)	Long-range UAV
	21	Multiple launch rocket system (BM-21 <i>Grad</i> , 122mm)	Near Krasnolutskyi (52km south-west of Luhansk)	Long-range UAV

Beyond withdrawal lines but outside of designated storage sites

Date	No.	Type	Location	Source of observation
Government-controlled areas				
20/10/2019	2	Surface-to-air missile system (9K37)	Near Petropavlivka (49km west of Donetsk)	Long-range UAV
Non-government-controlled areas				
19/10/2019	17	Tank (ten T-72B and seven T-64B)	In a training area near Myrne (28km south-west of Luhansk) (in the same area, the UAV also spotted at least 50 infantry fighting vehicles (BMP variant) ⁸	Long-range UAV
	9	Towed howitzer (D-30 <i>Lyagushka</i> , 122mm)		
	5	Anti-tank gun (MT-12 <i>Rapira</i> , 100mm)		
	8	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)		
	8	Tank (six T-72B and two undetermined types)		
	26	Tank (type undetermined)		
	10	Towed howitzer (2A65 <i>Msta-B</i> , 152mm)		
	8	Towed howitzer (2A36 <i>Giatsint-B</i> , 152mm)		

⁷ The interference could have originated from anywhere within a radius of kilometres from the UAVs' positions.

⁸ Infantry fighting vehicles mentioned in this section are not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

Table of indications of military presence in the security zone⁹

Date	No.	Type	Location	Source of observation
Government-controlled areas				
19/10/2019	1	Armoured reconnaissance vehicle (BRDM-2)	Northern edge of Novoselivka Druha (23km north of Donetsk)	Mini UAV
20/10/2019	2	Armoured reconnaissance vehicle (BRDM-2)	In Krasnohorivka (21km west of Donetsk)	Long-range UAV
	1	Infantry fighting vehicle (BMP variant)	East edge of Nyzhnie (56km north-west of Luhansk)	Mini UAV

⁹ 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 21 October 2019¹⁰

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	20-Oct, 23:30
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-5km ENE	Recorded	1	Projectile	N to S	N/K	20-Oct, 19:22
	1-3km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	20-Oct, 20:09
	1-3km ENE	Recorded	2	Projectile	N to S	N/K	20-Oct, 20:10
	1-3km ENE	Recorded	1	Projectile	NNW to SSE	N/K	20-Oct, 20:14
	1-3km E	Recorded	4	Projectile	N to S	N/K	20-Oct, 20:17
	1-3km E	Recorded	2	Projectile	N to S	N/K	20-Oct, 20:25
	1-3km ENE	Recorded	1	Projectile	NNW to SSE	N/K	20-Oct, 20:30
	1-3km E	Recorded	1	Projectile	N to S	N/K	20-Oct, 20:31
	1-3km E	Recorded	3	Projectile	NNW to SSE	N/K	20-Oct, 20:32
	1-3km ENE	Recorded	3	Projectile	NW to SE	N/K	20-Oct, 20:36
	1-3km E	Recorded	2	Projectile	NW to SE	N/K	20-Oct, 20:37
	1-3km ENE	Recorded	3	Projectile	NW to SE	N/K	20-Oct, 20:38
	1-3km ENE	Recorded	2	Projectile	NNW to SSE	N/K	20-Oct, 20:39
	1-3km E	Recorded	6	Projectile	NNW to SSE	N/K	20-Oct, 20:45
	1-3km E	Recorded	1	Projectile	NNW to SSE	N/K	20-Oct, 20:46
	1-3km E	Recorded	1	Projectile	NW to SE	N/K	20-Oct, 21:06
	1-3km ENE	Recorded	4	Projectile	NW to SE	N/K	20-Oct, 21:26
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	20-Oct, 21:32
	1-3km E	Recorded	2	Projectile	NNW to SSE	N/K	20-Oct, 21:37
	1-3km E	Recorded	8	Projectile	N to S	N/K	20-Oct, 21:38
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	20-Oct, 21:39
	1-3km E	Recorded	1	Projectile	N to S	N/K	20-Oct, 21:39
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	20-Oct, 21:42
	1-3km E	Recorded	2	Projectile	N to S	N/K	20-Oct, 21:44
	1-3km E	Recorded	9	Projectile	N to S	N/K	20-Oct, 21:45
	1-3km E	Recorded	2	Projectile	N to S	N/K	20-Oct, 21:46
	1-3km ENE	Recorded	3	Projectile	N to S	N/K	20-Oct, 21:46
	1-3km ENE	Recorded	10	Projectile	N to S	N/K	20-Oct, 21:47
	1-3km ENE	Recorded	3	Projectile	In vertical flight	N/K	20-Oct, 21:47
	1-3km ENE	Recorded	3	Projectile	N to S	N/K	20-Oct, 21:53
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	20-Oct, 21:54
	1-3km E	Recorded	5	Projectile	N to S	N/K	20-Oct, 22:20
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	20-Oct, 22:21
3-5km E	Recorded	2	Projectile	N to S	N/K	20-Oct, 23:04	
3-5km E	Recorded	1	Projectile	N to S	N/K	20-Oct, 23:05	
2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	21-Oct, 02:45	
SMM camera at entry-exit checkpoint in	2-4km NNE	Recorded	5	Projectile	W to E	N/K	20-Oct, 21:18
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	20-Oct, 21:19
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	20-Oct, 21:19

¹⁰ 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.

Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	20-Oct, 21:20
	2-4km NNE	Recorded	25	Projectile	W to E	N/K	20-Oct, 21:21
	2-4km NNE	Recorded	21	Projectile	W to E	N/K	20-Oct, 21:22
	2-4km NNE	Recorded	19	Projectile	W to E	N/K	20-Oct, 21:23
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	20-Oct, 21:23
	2-4km NNE	Recorded	36	Projectile	W to E	N/K	20-Oct, 21:24
	2-4km N	Recorded	12	Projectile	W to E	N/K	20-Oct, 21:25
	2-4km NNE	Recorded	1	Muzzle flash		N/K	20-Oct, 21:25
	2-4km NNE	Recorded	5	Projectile	W to E	N/K	20-Oct, 21:25
	2-4km NNE	Recorded	1	Projectile	In vertical flight	N/K	20-Oct, 21:26
	2-4km NNE	Recorded	77	Projectile	W to E	N/K	20-Oct, 21:26
	2-4km NNE	Recorded	34	Projectile	W to E	N/K	20-Oct, 21:27
	2-4km N	Recorded	2	Projectile	In vertical flight	N/K	20-Oct, 21:27
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	20-Oct, 21:27
	2-4km NNE	Recorded	16	Projectile	W to E	N/K	20-Oct, 21:28
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	20-Oct, 21:28
	2-4km NNE	Recorded	32	Projectile	W to E	N/K	20-Oct, 21:49
	2-4km NNE	Recorded	44	Projectile	W to E	N/K	20-Oct, 21:50
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	5-6km N	Recorded	2	Projectile	SE to NW	N/K	21-Oct, 18:16
	5-6km N	Recorded	4	Projectile	W to E	N/K	21-Oct, 18:17
	5-6km N	Recorded	3	Projectile	W to E	N/K	21-Oct, 18:19
	5-6km NNE	Recorded	4	Projectile	WNW to ESE	N/K	21-Oct, 18:24
	5-6km NNE	Recorded	3	Projectile	WNW to ESE	N/K	21-Oct, 18:25
	5-6km N	Recorded	7	Projectile	WNW to ESE	N/K	21-Oct, 18:26
	5-6km N	Recorded	1	Projectile	W to E	N/K	21-Oct, 18:20
	5-6km N	Recorded	2	Projectile	NW to SE	N/K	21-Oct, 18:21
	5-6km NNE	Recorded	5	Projectile	WNW to ESE	N/K	21-Oct, 18:27
5-6km NE	Recorded	1	Projectile	ESE to WNW	N/K	21-Oct, 18:27	
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km WSW	Heard	2	Explosion	Undetermined	N/K	21-Oct, 11:25
	2-3km SSE	Heard	1	Shot		Small arms	21-Oct, 11:38
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	21-Oct, 12:14
	2-4km WSW	Heard	6	Explosion	Undetermined	N/K	21-Oct, 12:46-12:47
	2-5km WSW	Heard	3	Explosion	Undetermined	N/K	21-Oct, 12:56
	2-5km WSW	Heard	1	Explosion	Undetermined	N/K	21-Oct, 13:01
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	21-Oct, 14:51
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	21-Oct, 14:53
SE edge of Avdiivka (government-controlled, 17km N of Donetsk)	1-3km SSW	Heard	7	Explosion	Undetermined	N/K	21-Oct, 08:53-09:00
	1-2km SSW	Heard	7	Shot		Small arms	21-Oct, 09:02
	1-2km S	Heard	9	Shot		Small arms	21-Oct, 10:08-10:10
	1-2km ESE	Heard	1	Shot		Small arms	21-Oct, 12:35
	1-2km SE	Heard	4	Burst		Small arms	21-Oct, 13:58
	1-2km SE	Heard	3	Explosion	Undetermined	N/K	21-Oct, 14:52-14:53
About 700m SE of Ridkodub (non-government-controlled, 61km NE of Donetsk)	12-17km NW	Heard	2	Explosion	Undetermined	N/K	21-Oct, 11:39
About 3.5km SE of Yakovlivka (non-government-	5-7km W	Heard	5	Explosion	Undetermined	N/K	21-Oct, 11:08
	5-7km SW	Heard	3	Explosion	Undetermined	N/K	21-Oct, 11:21

controlled, 10km N of Donetsk)	5-7km W	Heard	1	Explosion	Undetermined	N/K	21-Oct, 11:28
Donetsk city's Petrovskiyi district (non-government-controlled, 15km SW of Donetsk city centre)	1km SW	Heard	7	Burst		Small arms	21-Oct, 12:05
	1km SW	Heard	4	Burst		Small arms	21-Oct, 12:10-12:15
Naberezhne (non-government-controlled, 77km S of Donetsk)	N/K SW	Heard	1	Explosion	Undetermined	N/K	21-Oct, 12:30
About 2km NE of Chernenko (government-controlled, 86km S of Donetsk)	2-3km NE	Heard	4	Shot		Small arms	21-Oct, 10:21-10:30
	3-4km SSE	Heard	11	Burst		HMG	21-Oct, 10:21-10:30
	5km SSE	Heard	2	Explosion	Undetermined	N/K	21-Oct, 10:21-10:30
	N/K SSE	Heard	2	Explosion	Undetermined	N/K	21-Oct, 10:42
	N/K SSE	Heard	8	Explosion	Undetermined	N/K	21-Oct, 10:50
	N/K ESE	Heard	1	Explosion	Undetermined	N/K	21-Oct, 11:21
	3-5km SSE	Heard	10	Burst		Small arms	21-Oct, 13:08-13:18
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	4-5km SE	Heard	3	Explosion	Undetermined	N/K	21-Oct, 11:10
	3-4km S	Heard	6	Explosion	Undetermined	N/K	21-Oct, 12:46
	3-4km S	Heard	3	Explosion	Undetermined	N/K	21-Oct, 12:56
	3-4km S	Heard	1	Explosion	Undetermined	N/K	21-Oct, 13:03
	2-3km SE	Heard	15	Shot	Undetermined	Small arms	21-Oct, 13:06
	3-4km E	Heard	5	Explosion	Undetermined	N/K	21-Oct, 13:55
	2-3km E	Heard	17	Shot	Undetermined	Small arms	21-Oct, 14:26
	2-3km S	Heard	4	Explosion	Undetermined	N/K	21-Oct, 14:52
N edge of Verkhnotoretske (government-controlled, 23km NE of Donetsk)	3-5km SSW	Heard	1	Explosion	Undetermined	N/K	21-Oct, 11:28
Horlivka (non-government-controlled, 39km NE of Donetsk)	2-3km SW	Heard	58	Burst	Undetermined	HMG	21-Oct, 17:21-17:32
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-5km S	Recorded	5	Explosion	Airburst (unable to assess whether inside or outside the disengagement area)	N/K	21-Oct, 00:48
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km ESE	Recorded	2	Explosion	Impact	N/K	21-Oct, 00:45
	4-6km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 00:46
	3-5km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 01:02
	3-5km E	Recorded	3	Projectile	NNW to SSE	N/K	21-Oct, 01:03
	4-6km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Oct, 01:04
	3-5km E	Recorded	1	Projectile	NNW to SSE	N/K	21-Oct, 01:04
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 01:53
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 01:54
3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 01:55	

	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 01:56
	4-6km ESE	Recorded	2	Explosion	Undetermined	N/K	21-Oct, 01:56
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 01:57
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 01:58
	3-5km ESE	Recorded	4	Projectile	WSW to ENE	N/K	21-Oct, 01:59
	4-6km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 01:59
	4-6km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Oct, 02:00
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:00
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:01
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:02
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:03
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:04
	3-5km ESE	Recorded	4	Projectile	WSW to ENE	N/K	21-Oct, 02:05
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:31
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:33
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:37
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:39
	4-6km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 02:39
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:41
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:43
	3-5km ESE	Recorded	3	Projectile	WSW to ENE	N/K	21-Oct, 02:44
	4-6km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 02:44
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:45
	3-5km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 02:45
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:46
	4-6km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 02:46
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:47
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:48
	3-5km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 02:48
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:49
	4-6km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Oct, 02:49
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:51
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:52
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:53
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:54
	4-6km ESE	Recorded	5	Explosion	Undetermined	N/K	21-Oct, 03:03
	3-5km ESE	Recorded	3	Projectile	WSW to ENE	N/K	21-Oct, 03:12
	4-6km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Oct, 03:12
	3-5km ESE	Recorded	1	Projectile	NW to SE	N/K	21-Oct, 03:12
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 03:13
	4-6km ESE	Recorded	2	Explosion	Impact	N/K	21-Oct, 03:13
	2-5km ESE	Recorded	1	Projectile	WNW to ESE	N/K	21-Oct, 03:13
	2-5km ESE	Recorded	1	Projectile	WNW to ESE	N/K	21-Oct, 03:14
	4-6km ESE	Recorded	5	Explosion	Undetermined	N/K	21-Oct, 03:19
	2-5km ESE	Recorded	4	Explosion	Airburst	N/K	21-Oct, 03:20
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Oct, 03:24
	3-5km ESE	Recorded	4	Explosion	Undetermined	N/K	21-Oct, 03:26
N edge of Popasna (government-controlled, 69km W of Luhansk)	5-8km ESE	Heard	68	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Oct, 00:33-01:17
	4-6km ESE	Heard	200	Burst	Assessed as outside the disengagement area	HMG	21-Oct, 00:33-01:17
	3-5km ESE	Heard	24	Shot and burst	Assessed as outside the disengagement area	Small arms	21-Oct, 00:33-01:17
	3-5km ESE	Heard	20	Shot	Assessed as outside the	AGL	21-Oct, 00:33-01:17

					disengagement area		
	5-7km SE	Heard	33	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Oct, 01:51-02:11
	3-5km SE	Heard	55	Burst	Assessed as outside the disengagement area	HMG	21-Oct, 01:51-02:11
	5-7km SE	Heard	74	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Oct, 02:40-03:20
	3-5km SE	Heard	190	Burst	Assessed as outside the disengagement area	HMG	21-Oct, 02:40-03:20
1.5km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)	3-5km SSE	Heard	13	Burst		HMG	21-Oct, 09:25-09:31
2.5km S of Muratove (government-controlled, 51km NW of Luhansk)	3-5km SW	Heard	7	Shot		Small arms	21-Oct, 09:35
E edge of Popasna (government-controlled, 69km W of Luhansk)	5-10km SE	Heard	22	Explosion	Undetermined	N/K	21-Oct, 09:37-09:47
	5-10km S	Heard	2	Explosion	Undetermined	N/K	21-Oct, 09:37-09:47
Slovianoserbsk (non-government-controlled, 28km NW of Luhansk)	600-700m W	Heard	1	Shot		Small arms	21-Oct, 12:18

Map of Donetsk and Luhansk regions¹¹



¹¹ 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 has 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 patrols in this settlement during daylight hours, as well).