

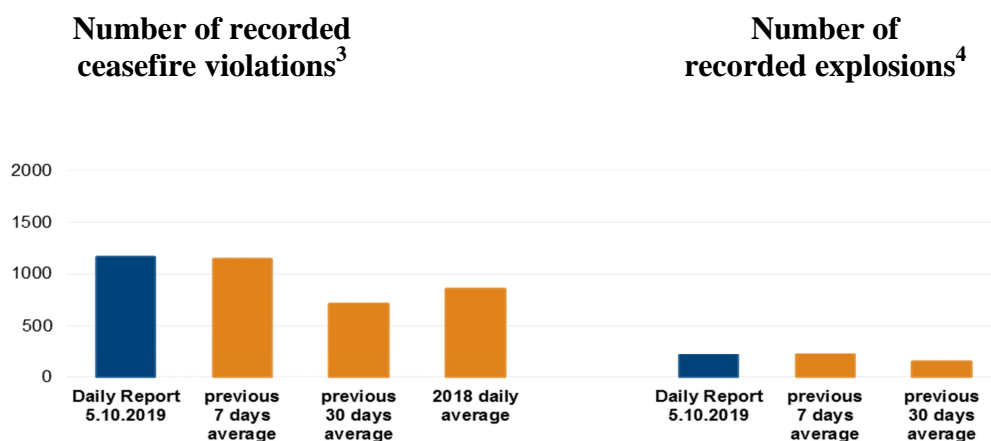
Daily Report 236/2019

5 October 2019¹

Summary

- Compared with the previous reporting period, the SMM recorded fewer ceasefire violations in Donetsk region and a similar number in Luhansk region.
- A man was injured by shrapnel in Staromykhailivka.
- Inside the Stanytsia Luhanska disengagement area, the SMM observed that the pedestrian bypass bridge was open for passage and that the wooden ramps on the broken section of the bridge had been removed.
- The Mission observed 18 weapons in violation of withdrawal lines in non-government-controlled areas, including multiple-launch rocket systems.
- The SMM saw for the first time anti-tank mines near Verkhnoшыrokyvske, on a road being used by civilians, and near Donetskyyi.
- The SMM monitored adherence to the ceasefire to facilitate the operation of the Donetsk Filtration Station and maintenance and repairs to water pipelines near Pankivka and between Zolote-3/Stakhanovets and Popasna.
- Restrictions of the Mission's access continued, including at a border crossing point near Izvaryne and at a checkpoint in Petrivske, both in non-government-controlled areas.*

Ceasefire violations²



¹ Based on information from the Monitoring Teams as of 19:30, 4 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 in the southern part of the disengagement area near Zolote was not operational.

³ Including explosions.

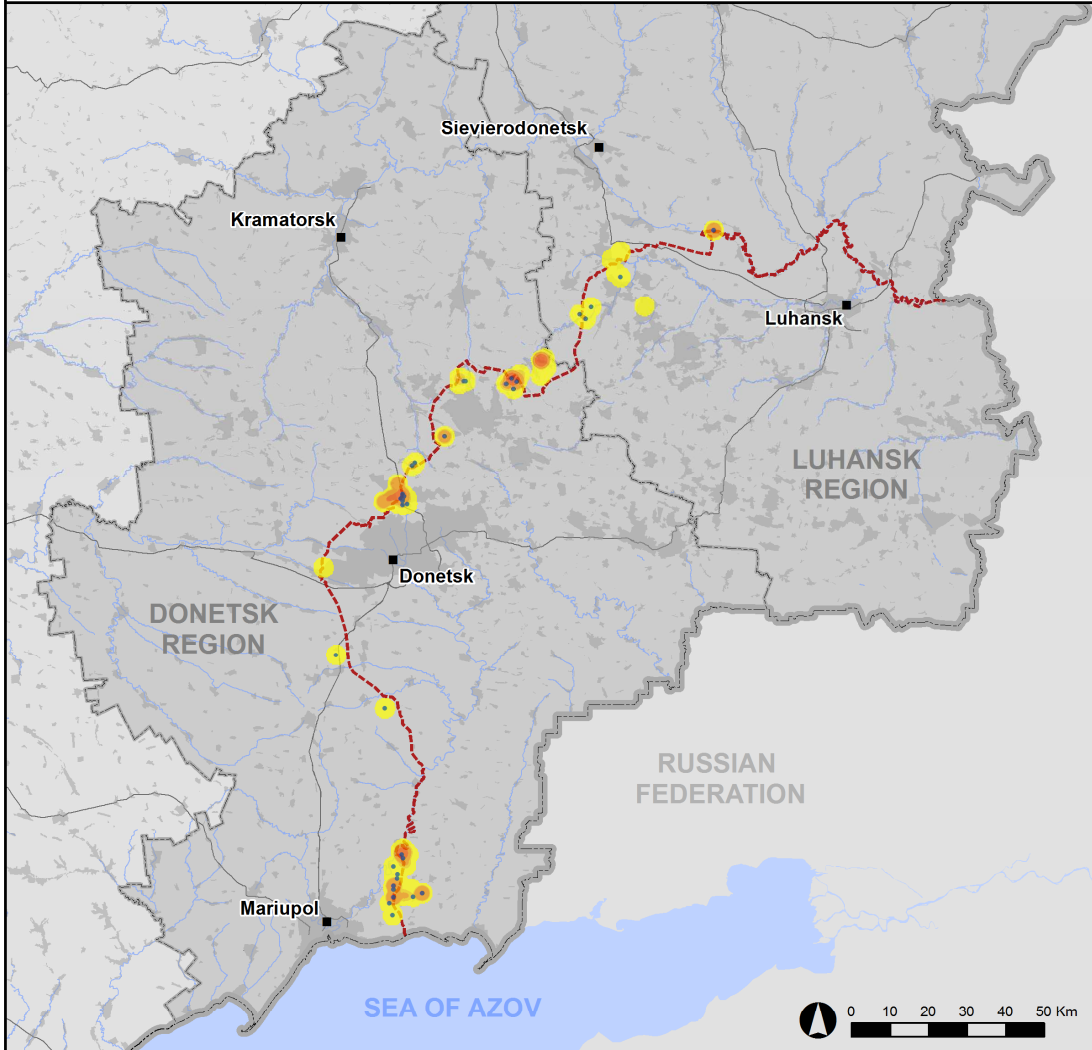
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

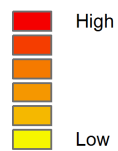


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 4 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: 05/10/2019

In Donetsk region, the SMM recorded fewer ceasefire violations, including fewer explosions (about 210), compared with the [previous reporting period](#) (about 240 explosions). The majority of ceasefire violations, including more than half of the explosions, were recorded at easterly and southerly directions of Svitlodarsk (government-controlled, 57km north-east of Donetsk) at south-easterly directions of Chermalyk (government-controlled, 77km south of Donetsk) and at southerly directions of Pyshechyk (government-controlled, 84km south of Donetsk).

In Luhansk region, the SMM recorded a similar number of ceasefire violations, including, a similar number of explosions (seven), compared with the [previous reporting period](#) (eight explosions). More than two thirds of the ceasefire violations were recorded in areas south-south-west of Kriakivka (government-controlled, 38km north-west of Luhansk).

Man injured by shrapnel in Staromykhailivka

On 4 October, the SMM saw a man (aged 37) in Staromykhailivka (non-government-controlled, 15km west of Donetsk) with a small injury to his face who told the SMM that on the afternoon of 3 October, while he was in the backyard of his house at 9 Haharina Street (about 2.5km from the contact line) in Staromykhailivka, he heard shooting and started running towards his house. According to him, as he was entering the house, he heard a loud explosion, felt heat on his face, and realized he was injured. He said that his wife and two children were inside the house. The man told the SMM that he drove himself to a hospital in Donetsk city (non-government-controlled), where he sought medical treatment. Medical staff at the hospital in Donetsk city told the SMM that the man had been admitted in the afternoon of 3 October with a shrapnel injury to his face and that he had left the facility after being treated (for previous observations in the area, see [SMM Daily Report 3 October 2019](#)).

Stanytsia Luhanska disengagement area

On the afternoon of 3 October, the SMM saw nine workers from government-controlled areas fixing wooden side rails to the temporary pedestrian bypass bridge and paving its bridgehead. The SMM also saw five members of the State Emergency Service of Ukraine clearing vegetation on the eastern side of the container of an international organization, about 750m north of the broken section of the Stanytsia Luhanska bridge (15km north-east of Luhansk) and six workers from government-controlled areas levelling a layer of gravel near a bus stop (platform for passengers), which is being constructed next to the abovementioned shelter.

On the morning of 4 October, the SMM saw that the temporary pedestrian bypass bridge was open for passage and several people were using it.

Shortly thereafter, it saw that the wooden ramps on the broken section of the bridge had been removed. It saw workers from government-controlled areas relocating a tyre barrier from the western edge of the broken section of the bridge to a location about 20m north of the pedestrian bypass bridge, using a tracked construction vehicle to remove the tarmac from the surface of the broken section of the bridge and welding metal components of it.

On the afternoon of 3 October, the SMM observed a fire burning east of the broken section of the bridge, on the southern bank of the Siverskyi Donets river with thick black smoke rising into the air. On 3 and 4 October, the SMM saw at least nine members of the armed formations (wearing "JCCC" armbands) between the checkpoint of the armed formations and the broken section of the bridge.

Other disengagement areas⁵

On 2 October, outside the disengagement area near Zolote (government-controlled, 60km west of Luhansk), an SMM mid-range unmanned aerial vehicle (UAV) spotted three newly dug trenches (about 350m, 20m and 200m in length, respectively) in and near Katerynivka (government-controlled, 64km west of Luhansk).

On the evening of 3 October, the SMM camera in Zolote recorded two bursts in vertical flight at an assessed range of 4-6km south-east (unable to assess whether inside or outside the disengagement area) and five projectiles in flight at an assessed range of 1.5km-6km east-north-east and east, assessed as outside the disengagement area but within its 5km periphery. On the morning of 4 October, positioned on the northern edge of the disengagement area near Zolote, the SMM heard two undetermined explosions at an assessed range of 4-6km south-east, assessed as outside the disengagement area but within its 5km periphery.

On the afternoon of 4 October, positioned at the checkpoint of the Ukrainian Armed Forces on the northern edge of the disengagement area near Zolote, the SMM saw 20 officers of the Ukrainian Armed Forces with shovels, axes and metal detectors walking into fields about 100m north, east and west (outside the disengagement area). The SMM also saw a white mini-UAV land on the road about 200m south of its position, outside the disengagement area (close to its northern edge). Positioned on the southern edge of the disengagement area, near the checkpoint of the armed formations, the SMM saw a white UAV flying from north-west to south-west at an altitude of about 300m (assessed as inside the disengagement area).

On the morning of 4 October, positioned in Bohdanivka (government-controlled, 41km south-west of Donetsk), the SMM heard an undetermined explosion at an undetermined distance south-east, assessed as outside 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.

The Mission observed 16 weapons in violation of withdrawal lines in non-government-controlled areas of Donetsk region and two in non-government-controlled areas of Luhansk region. It also observed a weapon beyond its withdrawal lines but outside storage sites in government-controlled areas of Donetsk region (for more details, see the tables below).

Indications of military and military-type presence in the security zone⁶

Government-controlled areas

3 October

The SMM saw an armoured personnel carrier (APC) and a heavy machine gun (DShK) near the entry-exit checkpoint near Stanytsia Luhanska (16km north-east of Luhansk).

An SMM long-range UAV spotted:

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

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

- an infantry fighting vehicle (IFV) (BMP-1) and an armoured combat vehicle (ACV) near Nevelske (18km north-west of Donetsk);
- a probable APC near Krasnohorivka (21km west of Donetsk);
- an IFV (BMP variant) and a probable ACV near Marinka (23km south-west of Donetsk);
- four IFVs (two BMP-1 and two BMP-2) near Berezove (31km south-west of Donetsk);
- an APC (BTR variant) near Mykolaivka (40km south of Donetsk);
- an IFV (BMP-2) near Starohnativka (51km south of Donetsk);
- five IFVs (two BMP-2 and three BMP-1) near Novoselivka Druha (69km south of Donetsk);
- an APC (MT-LB) near Myrne (63km south of Donetsk);
- three armoured reconnaissance vehicles (BRDM-2) near civilian houses in Vodiane (15km north-west of Donetsk); and
- 13 APCs (BTR variants) in Avdiivka (17km north of Donetsk).

4 October

The SMM saw:

- an APC (BTR variant) near Teple (31km north of Luhansk) and
- an APC (BTR-80) in Peredilske (24km north-west of Luhansk).

Non-government-controlled areas

2 October

An SMM mini-UAV spotted an APC (MT-LB) and an armoured recovery vehicle (BTS-4A) close to a residential area in Kadiivka (formerly Stakhanov, 50km west of Luhansk).

3 October

An SMM mini-UAV spotted:

- an IFV (BMP-1) near Lobacheve (13km east of Luhansk) and
- an ACV near Horlivka (39km north-east of Donetsk).

On 3 October, an SMM mini-UAV spotted three probable ACVs and an APC (MT-LB) near Zernove (70km south of Donetsk) (inside the security zone) and an IFV (BMP-1) in a training area near Boikivske (formerly Telmanove, 67km south-east of Donetsk) (outside the security zone); all in a zone within which deployment of heavy armament and military equipment is proscribed according to Point 5 of the Memorandum of 19 September 2014.

Weapons that the SMM could not verify as withdrawn⁷

At a heavy weapons holding area in a non-government-controlled area of Donetsk region

4 October

The SMM noted that six towed howitzers (2A65 *Msta-B*, 152mm) continued to be missing.

Weapons permanent storage sites

At a permanent storage site in a non-government-controlled area of Donetsk region

4 October

The SMM noted that 13 tanks (nine T-72 and four T-64) continued to be missing.

⁷ The SMM visited an area previously holding weapons that could not be verified as withdrawn, as their storage did not comply with the criteria set out in the 16 October 2015 notification from the SMM to the signatories of the Package of Measures on effective monitoring and verification of the withdrawal of heavy weapons.

Anti-tank mines near Donetsk and Verkhnohyrokovske

On 3 October, an SMM mid-range UAV spotted for the first time 15 anti-tank mines (not seen in imagery from 31 July 2019) laid in three rows across a road west-north-west of Donetsk (non-government-controlled, 49km west of Luhansk).

On the morning of 4 October, the SMM saw an anti-tank mine (probable TM-62P3) lying in the middle of a road used by civilians about 500m west of a checkpoint of the armed formations in Verkhnohyrokovske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk).

Border areas not under government control

While at a border crossing point near Izvaryne (52km south-east of Luhansk), the SMM saw a bus and a car with “LPR” plates and four pedestrians (three women and a man) entering Ukraine. After six minutes, a member of the armed formations told the SMM to leave the area.*

SMM facilitation of operation of and repair works to civilian infrastructure

The SMM monitored adherence to the ceasefire to facilitate repairs to water pipelines between Zolote-3/Stakhanovets (government-controlled, 61km west of Luhansk) and Popasna (government-controlled, 69km west of Luhansk) and to enable an inspection of power lines and maintenance of water pipes ahead of the drilling of wells near Pankivka (non-government-controlled, 16km north of Luhansk).

The SMM also facilitated the operation of the Donetsk Filtration Station (DFS) (15km north of Donetsk). On the evening of 3 October, the SMM camera near the DFS recorded ceasefire violations in a close proximity to the Station (see table below).

***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 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 below). 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.

Denial of access:

- At a border crossing point near Izvaryne (non-government-controlled, 52km south-east of Luhansk), a member of the armed formations told the SMM to leave the area.

⁸ Based on information from the Monitoring Teams as of 19:30, 4 October 2019. All times are in Eastern European Summer Time.

- At a checkpoint on the northern edge of Petrivske (non-government-controlled, 41km south of Donetsk), an armed member of the armed formations [again](#) denied the SMM passage citing “ongoing engineering works” and “sniper activity” in the area, thereby restricting the SMM’s access to its camera in Petrivske.

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 near Staromykhailivka (non-government-controlled, 15km west of Donetsk), a member of the armed formations allowed the SMM to proceed only after about 34 minutes of waiting.

Other impediments:

- An SMM mini-UAV lost its GPS signal on two occasions due to signal interference assessed as caused by probable jamming while flying near Chermalyk (government-controlled, 77km south of Donetsk).⁹
- On the night of 2 and 3 October, an SMM-long range UAV experienced GPS signal interference, assessed as due to jamming while flying over Orlivske (government-controlled, 82km south of Donetsk). The same UAV also experienced GPS signal interference, assessed as due to probable jamming, while flying between Ivanopillia (government-controlled, 51km north of Donetsk) and Vesele (government-controlled, 21km north of Donetsk).

⁹ The interference could have originated from anywhere within the radius of kilometres from the UAVs’ position.

Table of weapons

Weapons in violation of the withdrawal lines

Date	No. of weapons	Type of weapons	Location	Source of observation
Non-government-controlled areas				
03/10/2019	9	Tank (seven T-72 and two undetermined)	Training area near Boikivske (formerly Telmanove, 67km south-east of Donetsk), in a zone within which deployment of heavy armament and military equipment is further proscribed according to Point 5 of the Memorandum of 19 September 2014.	Mini-UAV
	3	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)	Near Zernove (70km south of Donetsk)	Mini-UAV
	2	Probable towed howitzer (D-30 <i>Lyagushka</i> , 122mm)	About 3km east of Luhansk city	Mini-UAV
04/10/2019	4	Multiple launch rocket system (BM-21 <i>Grad</i> , 122mm)	Novoamvrosiivske (56km east of Donetsk)	Patrol

Beyond withdrawal lines but outside of designated storage sites

Date	No. of weapons	Type of weapons	Location	Source of observation
Government-controlled areas				
04/10/2019	1	Self-propelled anti-aircraft system (2K22 <i>Tunguska</i>)	Near Spirne (96km north of Donetsk)	Patrol

Table of ceasefire violations as of 4 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 SE	Recorded	5	Projectile	In vertical flight	N/K	3-Oct, 19:09
	2-4km SE	Recorded	3	Projectile	In vertical flight	N/K	3-Oct, 19:18
	2-3km SSE	Recorded	10	Projectile	NE to SW	N/K	3-Oct, 19:45
	2-3km SSE	Recorded	3	Projectile	WNW to ESE	N/K	3-Oct, 19:45
	2-3km SSE	Recorded	14	Projectile	WNW to ESE	N/K	3-Oct, 19:46
	2-3km SSE	Recorded	3	Projectile	WNW to ESE	N/K	3-Oct, 19:51
	2-4km SE	Recorded	6	Projectile	In vertical flight	N/K	3-Oct, 19:52
	2-3km SSE	Recorded	1	Projectile	WNW to ESE	N/K	3-Oct, 19:53
	2-4km SE	Recorded	5	Projectile	In vertical flight	N/K	3-Oct, 20:05
	2-4km SSE	Recorded	13	Projectile	In vertical flight	N/K	3-Oct, 20:05
	3-5km SE	Recorded	3	Projectile	In vertical flight	N/K	3-Oct, 20:06
	2-4km SSE	Recorded	5	Projectile	In vertical flight	N/K	3-Oct, 20:06
	4-6km SSE	Recorded	1	Projectile	W to E	N/K	3-Oct, 20:10
	4-6km SSE	Recorded	2	Projectile	NE to SW	N/K	3-Oct, 20:11
	3-5km SSE	Recorded	3	Explosion	Undetermined	N/K	3-Oct, 20:11
	4-6km SSE	Recorded	2	Projectile	W to E	N/K	3-Oct, 20:13
	4-6km SSE	Recorded	8	Projectile	W to E	N/K	3-Oct, 20:18
	5-7km SSE	Recorded	3	Projectile	W to E	N/K	3-Oct, 20:20
	5-7km SSE	Recorded	1	Projectile	W to E	N/K	3-Oct, 20:21
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	3-Oct, 20:33
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	3-Oct, 20:43
	8-10km S	Recorded	2	Explosion	Undetermined, also recorded by Pyshevyk camera	N/K	3-Oct, 21:03
	10-12km S	Recorded	2	Projectile	WNW to ESE (also recorded by Pyshevyk camera)	N/K	3-Oct, 21:03
	2-4km SSE	Recorded	20	Projectile	W to E	N/K	3-Oct, 21:05
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	3-Oct, 21:06
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	3-Oct, 21:11
	1-3km SE	Recorded	1	Projectile	ENE to WSW	N/K	3-Oct, 23:19
	1-3km SSE	Recorded	1	Projectile	W to E	N/K	3-Oct, 23:21
	1-3km SE	Recorded	1	Projectile	ENE to WSW	N/K	4-Oct, 00:11
	1-3km SE	Recorded	1	Projectile	W to E	N/K	4-Oct, 00:59
	1-3km SE	Recorded	2	Projectile	ENE to WSW	N/K	4-Oct, 01:47
	1-3km SSE	Recorded	4	Projectile	W to E	N/K	4-Oct, 02:22
2-4km SSE	Recorded	1	Projectile	W to E	N/K	4-Oct, 02:50	
1-3km SSE	Recorded	1	Projectile	W to E	N/K	4-Oct, 02:58	
2-4km SSE	Recorded	7	Projectile	WNW to ESE	N/K	4-Oct, 02:59	
2-4km SSE	Recorded	3	Projectile	W to E	N/K	4-Oct, 03:01	
2-4km SSE	Recorded	2	Projectile	W to E	N/K	4-Oct, 03:12	
2-4km SSE	Recorded	3	Projectile	W to E	N/K	4-Oct, 03:14	

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.

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	1-3km SE	Recorded	1	Projectile	WNW to ESE	N/K	4-Oct, 03:15
	2-4km SSE	Recorded	1	Explosion	Undetermined, Subsequent to previous event	N/K	4-Oct, 03:15
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	4-Oct, 03:16
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	4-Oct, 03:22
	1-3km SSE	Recorded	2	Projectile	ENE to WSW	N/K	4-Oct, 03:39
	1-3km SE	Recorded	2	Projectile	ENE to WSW	N/K	4-Oct, 04:00
	1-3km SE	Recorded	5	Projectile	ENE to WSW	N/K	4-Oct, 04:13
	1-3km SE	Recorded	2	Projectile	SW to NE	N/K	4-Oct, 04:36
	1-3km SE	Recorded	2	Projectile	NNE to SSW	N/K	4-Oct, 04:36
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	4-Oct, 05:15
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-4km SSW	Recorded	1	Burst	In vertical flight	N/K	3-Oct, 20:05
	1-2km SSW	Recorded	13	Projectile	In vertical flight	N/K	3-Oct, 20:06
	150-250m SSW	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 21:16
	1-2km SSW	Recorded	2	Explosion	Undetermined	N/K	3-Oct, 20:23
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:24
	1-2km SSW	Recorded	2	Explosion	Undetermined	N/K	3-Oct, 20:24
	1-2km SSW	Recorded	1	Projectile	NE to SW	N/K	3-Oct, 20:24
	0.8-1.2km S	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:25
	0.8-1.2km S	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:27
	0.8-1.2km S	Recorded	4	Projectile	W to E	N/K	3-Oct, 20:27
	1-2km SSW	Recorded	2	Projectile	SE to NW	N/K	3-Oct, 20:28
	0.6-1km S	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:28
	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	3-Oct, 20:42
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 21:41
	1-2km SSW	Recorded	1	Projectile	In vertical flight	N/K	3-Oct, 21:59
	200-400m SSW	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 22:01
	0.7-1km SSE	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 22:01
200-300m SSW	Recorded	1	Muzzle flash		N/K	3-Oct, 22:03	
200-500m SSW	Recorded	1	Projectile	WSW to ENE	N/K	3-Oct, 22:03	
1-3km S	Recorded	1	Explosion	Undetermined	N/K	4-Oct, 01:52	
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	1-3km ENE	Recorded	1	Projectile	NW to SE (also recorded by Chermalyk camera)	N/K	3-Sep, 20:16
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	3-Sep, 20:24
	6-8km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	3-Oct, 18:57
SMM camera E of Lomakyne (government-controlled, 90km S of Donetsk)	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 18:55
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	3-4km E	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 19:06
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	3-Oct, 20:10
	1-3km ENE	Recorded	2	Projectile	N to S	N/K	3-Oct, 20:43
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:47
	1-3km ENE	Recorded	3	Projectile	N to S	N/K	3-Oct, 21:09
	1-3km ENE	Recorded	2	Projectile	N to S	N/K	3-Oct, 21:11
	1-3km ENE	Recorded	3	Projectile	N to S	N/K	3-Oct, 21:15
	1-3km ESE	Recorded	3	Projectile	N to S	N/K	3-Oct, 22:37
1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	4-Oct, 05:56	

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	3-5km NNE	Recorded	1	Projectile	SSW to NNE	N/K	3-Oct, 20:58
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 84km S of Donetsk)	3-5km S	Recorded	2	Projectile	W to E	N/K	3-Oct, 18:45
	3-5km S	Recorded	1	Projectile	W to E	N/K	3-Oct, 18:50
	3-5km S	Recorded	2	Projectile	W to E	N/K	3-Oct, 19:09
	3-5km S	Recorded	1	Projectile	W to E	N/K	3-Oct, 19:10
	3-5km S	Recorded	1	Projectile	W to E	N/K	3-Oct, 19:14
	4-6km S	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 19:23
	4-6km S	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 19:29
	3-5km S	Recorded	1	Projectile	W to E	N/K	3-Oct, 19:30
	3-5km S	Recorded	11	Projectile	W to E	N/K	3-Oct, 19:48
	3-5km S	Recorded	9	Projectile	W to E	N/K	3-Oct, 19:49
	3-5km S	Recorded	10	Projectile	W to E	N/K	3-Oct, 19:55
	3-5km S	Recorded	14	Projectile	NW to SE	N/K	3-Oct, 19:58
	3-5km S	Recorded	13	Projectile	NW to SE (also recorded by Chermalyk camera)	N/K	3-Oct, 20:01
	6-8km S	Recorded	1	Explosion	Undetermined, also recorded by Chermalyk camera	N/K	3-Oct, 20:07
	6-8km S	Recorded	3	Projectile	W to E	N/K	3-Oct, 22:07
	6-8km S	Recorded	2	Projectile	W to E	N/K	3-Oct, 22:14
	6-8km S	Recorded	10	Projectile	W to E	N/K	3-Oct, 22:42
	6-8km S	Recorded	3	Projectile	E to W	N/K	3-Oct, 22:49
	6-8km S	Recorded	1	Projectile	E to W	N/K	3-Oct, 23:14
	6-8km S	Recorded	10	Projectile	W to E	N/K	3-Oct, 23:16
	6-8km S	Recorded	2	Projectile	E to W	N/K	3-Oct, 23:29
	6-8km S	Recorded	1	Projectile	W to E	N/K	3-Oct, 23:32
	6-8km S	Recorded	3	Projectile	W to E	N/K	3-Oct, 23:34
	6-8km S	Recorded	7	Projectile	W to E	N/K	3-Oct, 23:35
	6-8km S	Recorded	1	Projectile	W to E	N/K	3-Oct, 23:42
	6-8km S	Recorded	7	Projectile	W to E	N/K	3-Oct, 23:45
	6-8km S	Recorded	5	Projectile	W to E	N/K	3-Oct, 23:51
	6-8km SSE	Recorded	7	Projectile	W to E	N/K	4-Oct, 00:19
	6-8km SSE	Recorded	9	Projectile	W to E	N/K	4-Oct, 00:20
	6-8km S	Recorded	2	Projectile	W to E	N/K	4-Oct, 02:14
	6-8km S	Recorded	6	Projectile	W to E	N/K	4-Oct, 04:21
	3-5km S	Recorded	1	Explosion	Undetermined, also recorded by Lomakyne and Chermalyk cameras	N/K	4-Oct, 04:24
	6-8km S	Recorded	1	Projectile	W to E	N/K	4-Oct, 04:24
6-8km S	Recorded	2	Projectile	W to E (also recorded by Lomakyne camera)	N/K	4-Oct, 04:27	
6-8km S	Recorded	3	Projectile	W to E	N/K	4-Oct, 04:28	
3-5km SSE	Recorded	1	Projectile	E to W	N/K	4-Oct, 04:55	
3-5km SSE	Recorded	1	Projectile	E to W	N/K	4-Oct, 05:02	
6-8km S	Recorded	1	Projectile	W to E	N/K	4-Oct, 05:05	
SMM camera in Svitlodarsk (government-controlled, 57km	4-6km ENE	Recorded	2	Projectile	NNW to SSE	N/K	3-Oct, 22:28
	4-6km ENE	Recorded	1	Muzzle flash		N/K	3-Oct, 22:28
	4-6km ENE	Recorded	13	Projectile	NNW to SSE	N/K	3-Oct, 22:33
	4-6km ENE	Recorded	14	Projectile	NNW to SSE	N/K	3-Oct, 22:34

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
NE of Donetsk)	5-7km ENE	Recorded	9	Projectile	NNW to SSE	N/K	3-Oct, 22:38
	5-7km E	Recorded	1	Projectile	WSW to ENE	N/K	3-Oct, 22:40
	5-7km ENE	Recorded	8	Projectile	NNW to SSE	N/K	3-Oct, 22:44
	4-6km ENE	Recorded	5	Projectile	NNW to SSE	N/K	3-Oct, 23:25
	4-6km ENE	Recorded	3	Projectile	NNW to SSE	N/K	3-Oct, 23:26
	4-6km ENE	Recorded	7	Projectile	NNW to SSE	N/K	3-Oct, 23:27
	4-6km ENE	Recorded	9	Projectile	NNW to SSE	N/K	3-Oct, 23:28
	4-6km E	Recorded	3	Projectile	N to S	N/K	4-Oct, 00:32
	4-6km ESE	Recorded	2	Projectile	S to N	N/K	4-Oct, 01:21
	4-6km ESE	Recorded	1	Projectile	NW to SE	N/K	4-Oct, 01:31
	4-6km ENE	Recorded	10	Projectile	WNW to ESE	N/K	4-Oct, 04:39
	4-6km ENE	Recorded	3	Projectile	WNW to ESE	N/K	4-Oct, 04:40
	4-6km ENE	Recorded	90	Projectile	WNW to ESE	N/K	4-Oct, 04:43
SW edge of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km S	Heard	40	Shot		Small arms	4-Oct, 09:58-10:02
	1-2km S	Heard	3	Shot		Small arms	4-Oct, 10:05-10:07
E edge of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km S	Heard	7	Shot		Small arms	4-Oct, 10:37
	2-3km S	Heard	63	Burst		HMG	4-Oct, 10:50-10:55
About 3.5km N of Novotroitske (government-controlled, 36km SW of Donetsk)	2-3km NNW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 12:12-12:29
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km W	Heard	1	Burst		HMG	4-Oct, 09:45
	2-3km W	Heard	36	Shot		Cannon (30mm)	4-Oct, 09:46-09:48
	2-3km W	Heard	40	Shot		Cannon (30mm)	4-Oct, 09:55-10:00
	2-3km W	Heard	3	Shot		Cannon (30mm)	4-Oct, 10:07
	3-4km SW	Heard	7	Shot		Small arms	4-Oct, 11:15-11:26
	1-2km SW	Heard	1	Shot		HMG	4-Oct, 11:31
Bohdanivka (government-controlled, 41km SW of Donetsk)	1-2km SW	Heard	6	Shot		HMG	4-Oct, 11:49
	N/K SE	Heard	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	4-Oct, 10:55
About 3km NE of Zaichenko (non-government-controlled, 93km S of Donetsk)	N/K SW	Heard	8	Explosion	Undetermined	N/K	4-Oct, 11:40-12:00
	N/K SW	Heard	5	Burst		HMG	4-Oct, 11:40-12:00
	N/K SW	Heard	10	Burst		Small arms	4-Oct, 11:40-12:00
	N/K SW	Heard	6	Shot		Small arms	4-Oct, 11:40-12:00
	N/K SW	Heard	35	Burst		Small arms	4-Oct, 12:05-12:10
	N/K NNW	Heard	4	Burst		Small arms	4-Oct, 12:05-12:10
About 1km NNE of Zaichenko (non-government-controlled, 93km S of Donetsk)	N/K S	Heard	1	Shot		Small arms	4-Oct, 12:20
	N/K WSW	Heard	6	Explosion	Undetermined	N/K	4-Oct, 12:25

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
W edge of Chermalyk (government-controlled, 77km south of Donetsk)	5-7km S	Heard	5	Explosion	Undetermined	N/K	4-Oct, 12:27
About 2.5km SSE of Lebedynske (government-controlled, 99km south of Donetsk)	4-5km NNE	Heard	1	Explosion	Outgoing	N/K	4-Oct, 12:29
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SSW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 18:53
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 19:01
	5-7km SSW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 19:06
	1-3km SSW	Heard	9	Shot		Small arms	3-Oct, 19:08
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 19:34
	3-5km SW	Heard	4	Burst		HMG	3-Oct, 20:18
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 20:19
	5-7km SSW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 20:31
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 20:35
	5-7km SW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 20:44
	5-7km SW	Heard	5	Explosion	Undetermined	N/K	3-Oct, 20:49-20:51
	1-3km SSW	Heard	3	Shot		Small arms	3-Oct, 20:56
	5-7km SSW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 21:05
	3-5km SW	Heard	7	Burst		HMG	3-Oct, 21:05-21:09
	3-5km SW	Heard	3	Burst		HMG	3-Oct, 21:16
	5-7km SW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 21:18
	3-5km SW	Heard	7	Burst		HMG	3-Oct, 21:37
	5-7km SSW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 21:49
	3-5km SSW	Heard	3	Burst		HMG	3-Oct, 22:02
	3-5km SW	Heard	9	Burst		HMG	3-Oct, 22:28-22:30
	3-5km SW	Heard	3	Burst		HMG	3-Oct, 22:36
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 22:41-22:43
	5-7km SW	Heard	3	Explosion	Undetermined	N/K	3-Oct, 22:45-22:46
	3-5km SSW	Heard	3	Burst		HMG	3-Oct, 22:51
	5-7km SW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 22:53
	3-5km SW	Heard	10	Burst		HMG	3-Oct, 22:59
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 23:01
	3-5km SW	Heard	3	Burst		HMG	3-Oct, 23:06
	3-5km SW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 23:21
	3-5km SSW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 23:26
	3-5km SW	Heard	3	Burst		HMG	4-Oct, 07:33
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 07:42
5-7km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 08:14	
5-7km SW	Heard	2	Explosion	Undetermined	N/K	4-Oct, 10:13	
5-7km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 10:38	
3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 12:03	
3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 13:23	
3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 14:56	
3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 14:56	
3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 15:09	
3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 15:31	
3-5km SW	Heard	35	Burst		HMG	4-Oct, 16:42-16:50	
3-5km SW	Heard	18	Burst		HMG	4-Oct, 17:05	
3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 17:08	
3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 17:32	

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-5km SW	Heard	24	Explosion	Undetermined	N/K	4-Oct, 17:44-17:56
	3-5km SSW	Heard	38	Explosion	Undetermined	N/K	4-Oct, 18:01-18:27
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	2-3km S	Heard	30	Shot		Small arms	4-Oct, 09:45-09:50
	2-3km S	Heard	20	Burst		HMG	4-Oct, 10:00-10:01
Troitske (government-controlled, 30km N of Donetsk)	3-5km SW	Heard	2	Explosion	Undetermined	N/K	4-Oct, 10:45
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 10:52
	3-5km SW	Heard	4	Explosion	Undetermined	N/K	4-Oct, 10:56-10:57
	3km SW	Heard	2	Explosion	Undetermined	N/K	4-Oct, 10:59
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 11:02
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 11:05
Horlivka (non-government-controlled, 39km NE of Donetsk)	5-6km SW	Heard	14	Explosion	Undetermined	N/K	4-Oct, 17:36-17:41
	5-6km SW	Heard	26	Explosion	Undetermined	N/K	4-Oct, 17:44-18:00
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	2-4km SSW	Recorded	3	Projectile	WNW to ESE	N/K	3-Oct, 22:22
	2-4km SSW	Recorded	1	Projectile	WNW to ESE	N/K	3-Oct, 22:23
	2-4km SSW	Recorded	3	Projectile	ESE to WNW	N/K	3-Oct, 22:23
	2-4km SSW	Recorded	3	Projectile	WNW to ESE	N/K	3-Oct, 22:25
	2-4km SSW	Recorded	2	Projectile	ESE to WNW	N/K	3-Oct, 22:25
	2-4km SSW	Recorded	4	Projectile	WNW to ESE	N/K	3-Oct, 22:26
	2-4km SSW	Recorded	13	Projectile	WNW to ESE	N/K	3-Oct, 22:27
	2-4km SSW	Recorded	4	Projectile	WNW to ESE	N/K	3-Oct, 22:29
	2-4km SSW	Recorded	8	Projectile	WNW to ESE	N/K	3-Oct, 22:30
	2-4km SSW	Recorded	5	Projectile	WNW to ESE	N/K	3-Oct, 22:32
	2-4km SSW	Recorded	3	Projectile	WNW to ESE	N/K	3-Oct, 22:33
	2-4km SSW	Recorded	6	Projectile	WNW to ESE	N/K	3-Oct, 22:34
	2-4km SSW	Recorded	7	Projectile	WNW to ESE	N/K	3-Oct, 22:35
	2-4km SSW	Recorded	7	Projectile	WNW to ESE	N/K	3-Oct, 22:36
	2-4km SSW	Recorded	1	Explosion	Outgoing	N/K	3-Oct, 22:36
	2-4km SSW	Recorded	1	Projectile	WNW to ESE	N/K	3-Oct, 22:42
	SMM camera in Zolote (government-controlled, 60km W of Luhansk)	4-6km SE	Recorded	2	Burst	In vertical flight, unable to assess whether inside or outside the disengagement area	N/K
1.5-3km E		Recorded	1	Projectile	NW to SE (assessed as outside the disengagement area)	N/K	3-Sep, 21:25
1.5-3km E		Recorded	1	Projectile	NW to SE (assessed as outside the disengagement area)	N/K	3-Sep, 21:36
4-6km ENE		Recorded	3	Projectile	In vertical flight, assessed as outside the disengagement area	N/K	3-Sep, 22:29
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	0.6-1km NW	Heard	2	Burst		Anti-aircraft gun (ZU-23, 23mm)	3-Oct, 20:08-20:09

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Popasna (government-controlled, 69km W of Luhansk)	8-10km SE	Heard	1	Explosion	Undetermined	N/K	4-Oct, 09:50
	6-8km SE	Heard	2	Explosion	Undetermined	N/K	4-Oct, 13:02-13:10
N edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	4-6km SE	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	4-Oct, 10:44-10:55
NE edge of Troitske (government-controlled, 67km W of Luhansk)	3-5km ENE	Heard	1	Explosion	Undetermined	N/K	4-Oct, 10:50

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).